

MG 6
Register of

DOCTORAL DEGREES

**Conferred by the
University of Minnesota**

July 1976–June 1986

**Graduate School
University of Minnesota**

1992

REGISTER OF DOCTORAL DEGREES

CONFERRED BY THE

UNIVERSITY OF MINNESOTA

JULY 1976 - JUNE 1986

FOREWORD TO THE PH.D REGISTER

This volume is part of a continuing series which documents degrees awarded at the doctoral level (including Ph.D.s; Ph.D.s designated in clinical medical fields; Ed.D.s; and D.M.A.s). The period covered is July 1976 to June 1986; 4,985 doctorates were granted. This number represents a slight decline from the previous ten-year level of 5,273 doctoral degrees granted.

Please note that the listing of degrees awarded by Policy and Review Councils is followed by year and then an alpha listing of the specific recipients.

K. Zimmerman
Associate Dean

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EDUCATION AND PSYCHOLOGY POLICY AND REVIEW COUNCIL

Child Psychology

1976. Rona Abramovitch. B.S.'70, Gill University; M.A.'72, University of Minnesota.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Relation of Attention and Proximity of Dominance in Preschool Children.

Major Adviser: Prof. W. R. Charlesworth.

1976. S. Louise Carter. B.A.'70, Wellesley College.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Structure and Transmission of Individual Differences in Patterns of Cognitive Ability.

Major Adviser: Prof. S. Scarr-Salapatek.

1976. Carl Nils Johnson. A.B.'67, Bucknell University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Understanding of Word Referent Relation in Middle Childhood.

Major Adviser: Prof. M. P. Maratsos.

1976. Muriel Kaye Stephenson Kerr. B.A.'63, M.A.'67, University of Minnesota.

Major: Child Psychology. Minor: Educational Psychology. Thesis: Patterns of Social Group Structure, Interpersonal Spacing and Behavior in Young Children.

Major Adviser: Prof. S. G. Moore.

1976. Stanley Abraham Kuczaj, II. B.A. with highest honors '72, University of Texas.

Major: Child Psychology. Minor: Supporting Program. Thesis: -ING, -S, and -ED: A Study of the Acquisition of Some Verb Inflections.

Major Adviser: Prof. M. P. Maratsos.

1976. Elise Frank Masur. B.A.'70, University of Chicago.

Major: Child Psychology. Minor: Supporting Program. Thesis: Communication Skills in Preschoolers: Four-Year-Olds' Speech as a Function of Linguistic Level of Listener.

Major Adviser: Prof. J. H. Flavell.

1976. Kenneth Ritter. B.A. magna cum laude '70, Temple University.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of Knowledge of a Retrieval Cue Strategy.

Major Adviser: Prof. J. H. Flavell.

1976. George Walker Rosenfeld. A.B. magna cum laude '67, Boston University.

Major: Child Psychology. Minor: Psychology. Thesis: The Effect on Self-Esteem of Induced Selective Attention to Successes and Failures.

Major Adviser: Prof. J. C. Masters.

1976. Harriet Salatas Waters. B.A. cum laude '71, State University of New York at Stony Brook; M.A.'73, University of Colorado.

Major: Child Psychology. Minor: Supporting Program. Thesis: Developmental Aspects of Comprehension and Retrieval in the Retention of Prose.

Major Adviser: Prof. M. P. Maratsos.

1977. Elizabeth Parker Anderson. B.S.'68, Iowa State University.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Effects of Motor Practice and Verbal Information on Recall of Modeled Behaviors by Second- and Fifth-Grade Girls.

Major Adviser: Prof. J. C. Masters.

Child Psychology

1977. Martin Scott Banks. A.B.'70, Occidental College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Infant Form Vision: The Modulation Transfer Function.

Major Adviser: Prof. P. H. Salapatek.

1977. Cleopatra Dontas. B.A.'69, Pierce College, Greece.

Major: Child Psychology. Minor: Supporting Program. Thesis: Application of Convergent Analyses in Mother-Infant Interaction Research: Implication for the Study of Individual Differences in Separation-Induced Protest.

Major Adviser: Prof. W. W. Hartup.

1977. Suzanne Marie Kasper Getz. B.S. summa cum laude '72, Pennsylvania State University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Components and Characteristics of Early Spontaneous Cooperative Play among Preschool Children.

Major Adviser: Prof. W. A. Collins.

1977. Roberta Jean Goldberg. A.B.'70, University of California.

Major: Child Psychology. Minor: Supporting Program. Thesis: Is Time of the Essence? Maternal Time Use and Preschool Performance.

Major Adviser: Prof. M. D. Hall.

1977. Harold Dennis Grotevant. B.A. with highest honors '70, University of Texas, Austin.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of Interests: A Study of Construct Validity, Profile Differentiation, and Family Influence.

Major Adviser: Prof. S. R. Scarr.

1977. Alison Mary Howie-Day. B.A. with honors '71, University of Sydney.

Major: Child Psychology. Minor: Supporting Program. Thesis: Metapertuasion: The Development of Reasoning about Persuasive Strategies.

Major Adviser: Prof. J. H. Flavell.

1977. Joel Peskay. B.A.'68, City College of New York.

Major: Child Psychology. Minor: Psychology. Thesis: Contextual Determinants of Children's Cheating Behavior.

Major Adviser: Prof. J. C. Masters.

1977. George Michael Pressley. B.A.'73, Northwestern University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Developmental Constraints on Children's Use of Keyword Method of Foreign Language Vocabulary Learning.

Major Advisers: Profs. A. D. Pick and J. E. Turnure.

1977. Everett Bell Waters, Jr. B.A.'72, Johns Hopkins University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Longitudinal Stability of Infant-Mother Attachment.

Major Adviser: Prof. L. A. Sroufe.

1978. Dennis Allen Fenichel. B.A.'68, Harpur College; M.A.'72, University of Minnesota.

Major: Child Psychology. Minor: Psychology. Thesis: The Selection of Telephone Hotline Volunteers.

Major Adviser: Prof. R. D. Wirt.

1978. Lawrence Joseph Fitzpatrick. B.C.E.'59, Syracuse University;

M.A.'67, University of Tennessee.

Major: Child Psychology. Minor: Supporting Program. Thesis: Tool-using in Children from 16 to 24 Months of Age: The Relationship of Age, Frustration, and Sex to Patterns of Tool-use.

Major Adviser: Prof. W. R. Charlesworth.

Child Psychology

1978. Jacqueline Joan Kwasniewski Hales. B.F.A.'66, Carnegie Institute of Technology.

Major: Child Psychology. Minor: Supporting Program. Thesis: An Exploration of Some Perceptual Factors in the Development of Seriation.

Major Adviser: Prof. A. D. Pick.

1978. Bruce Barrie Henderson. B.A. with honors '72, M.A.'75, Bucknell University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Exploratory Behavior of Preschool Children in Relation to Individual Differences in Curiosity, Maternal Behavior and Novelty of Object.

Major Adviser: Prof. S. G. Moore.

1978. Russell James Ludeke. A.B.'65, University of California, Berkeley.

Major: Child Psychology. Minor: Supporting Program. Thesis: Teaching Behaviors of 11-Year-Old and 9-Year-Old Girls in Same-Age and Cross-Age Dyads.

Major Adviser: Prof. W. W. Hartup.

1978. John Jefferson Rieser. A.B. cum laude '71, Harvard University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Reference Systems and the Spatial Orientation of Six Month Old Infants.

Major Adviser: Prof. A. D. Pick.

1979. Bruce Long Bobbitt. B.S.'73, Cornell University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Task Context and Problem Complexity as Factors in Matrix Problem Solving.

Major Adviser: Prof. D. P. Keating.

1979. Emily Williston Bushnell. B.A. with high honors '72, Swarthmore College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Visual-Tactual Knowledge in Infancy.

Major Adviser: Prof. P. H. Salapatek.

1979. Lawrence Valar Clark. B.A.'72, Carnegie-Mellon University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Determination of Social Construct System Structure among Junior- and Senior-High School Students.

Major Adviser: Prof. W. W. Hartup.

1979. Lynn Terese Goldsmith. B.A. magna cum laude, Yale University.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of Contingent Coordination of Spatial Reference Systems.

Major Adviser: Prof. H. L. Pick, Jr.

1979. Royal Gene Grueneich. B.A. summa cum laude '73, Concordia College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Children's Use of Intention and Consequence Information in Making Evaluative Inferences.

Major Adviser: Prof. T. R. Trabasso.

1979. Nancy Lynn Hazen. B.S. summa cum laude '74, University of Pittsburgh.

Major: Child Psychology. Minor: Supporting Program. Thesis: Young Children's Knowledge and Exploration of Large-Scale Environments.

Major Adviser: Prof. H. L. Pick, Jr.

1979. Michael D. R. Lougee. B.A.'70, Lawrence University; M.S.'71, University of Massachusetts.

Major: Child Psychology. Minor: Supporting Program. Thesis: Children's Imitation of Peers: Effects of Age and Sex of the Model.

Major Adviser: Prof. W. W. Hartup.

Child Psychology

1979. Andrew Frank Newcomb. A.B. with distinction '75, Occidental College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Friendship, Age, and Incentive Condition in Relation to Social Interaction and Task-Oriented Behavior in Grade School Boys.
Major Adviser: Prof. W. W. Hartup.

1979. Richard Clay Omanson. B.S. cum laude '74, University of Illinois.
Major: Child Psychology. Minor: Supporting Program. Thesis: The Narrative Analysis.

Major Adviser: Prof. T. R. Trabasso.

1979. Elliot Lee Saltzman. A.B. '70, Harvard University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Interactions Between Volitional and Automatic Sensorimotor Processes: Lateral Stimulus-Response Compatibility.

Major Adviser: Prof. P. H. Salapatek.

1979. Donna Kathryn Spiker. A.B. with honors '72, University of Chicago.

Major: Child Psychology. Minor: Supporting Program. Thesis: A Descriptive Study of Mother-Child Teaching Interactions With High- and Low-Functioning Down's Syndrome Preschoolers.

Major Advisers: Profs. D. P. Keating and L. A. Sroufe.

1979. Brian Edward Vaughn. B.A. with distinction '71, Arizona State University; M.A. '74, University of Minnesota.

Major: Child Psychology. Minor: Supporting Program. Thesis: An Ethological Study of Greeting Behaviors in Infants from Six to Nine Months of Age.

Major Adviser: Prof. L. A. Sroufe.

1980. Edward Leo Cochran, III. B.A. with general and departmental honors '76, Johns Hopkins University.

Major: Child Psychology. Minor: Psychology. Thesis: Spatial Effects on the Execution of Ballistic Movements.

Major Adviser: Prof. A. D. Pick.

1980. Martin Eugene Ford. B.S. with highest distinction '75, Pennsylvania State University.

Major: Child Psychology. Minor: Supporting Program. Thesis: A Multivariate Prediction Study of Social Competence in Adolescence.

Major Adviser: Prof. D. P. Keating.

1980. Doran C. French. A.B. with distinction '73, University of California, Berkeley.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Effects of Locus of Causality Attributions and Situational Generalization on Helplessness in Human Subjects.

Major Adviser: Prof. W. W. Hartup.

1980. Karen Renee Gouze. A.B. with highest honors '75, University of Michigan.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Relationship Between Individual Differences in Attention, Problem-Solving, and Behavior in Preschool Children.

Major Adviser: Prof. W. A. Collins.

1980. Jeffrey J. Lockman. B.A. cum laude '74, New York University.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of Detour Knowledge During Infancy.

Major Adviser: Prof. H. L. Pick, Jr.

1980. David Lynn Morris. A.B. '70, Indiana University.

Major: Child Psychology. Minor: Psychology. Thesis: Infant Attachment and Problem-Solving in the Toddler: Relations to Mother's Family History.

Major Adviser: Prof. L. A. Sroufe.

Child Psychology

1981. Judith Ann Becker. B.A. cum laude '77, Yale University.
Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of the Abilities to Produce and Identify Bossy and Nice Requests.

Major Advisers: Profs. W. A. Collins and C. E. Lord.

1981. Roxane H. Gudeman. A.B.'62, Radcliffe College; Ed.M.'64, Harvard University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Learning Spanish: A Cross-Sectional Study of the Imitation, Comprehension and Production of Spanish Grammatical Forms by Rural Panamanians.

Major Advisers: Profs. C. E. Lord and A. D. Pick.

1981. Martin Joseph Hofmann. B.A. magna cum laude '75, University of Connecticut.

Major: Child Psychology. Minor: Supporting Program. Thesis: Young Infants' Event-Related Potentials (ERPs) to High Probability and Low Probability Visual and Auditory Events in a Recognition Memory Task.

Major Adviser: Prof. P. H. Salapatek.

1981. Amy R. Lederberg. A.B. cum laude '74, Smith College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Adult Communication to Deaf vs. Hearing Preschoolers.

Major Advisers: Profs. W. A. Collins and C. E. Lord.

1981. Franklin Ralph Manis. B.A. magna cum laude '75, Pomona College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Word Knowledge and the Development of Work Identification Skills in Normal and Disabled Readers.

Major Advisers: Profs. D. P. Keating and Frederick Morrison.

1982. Celia A Brownell. B.A. with high distinction '74, University of Michigan.

Major: Child Psychology. Minor: Supporting Program. Thesis: Peer Interaction Among Toddler Aged Children: Effects of Age and Social Context on Interactional Competence and Behavioral Roles.

Major Adviser: Prof. W. W. Hartup.

1982. Jackie E. Gnepp. B.A. magna cum laude '74, Bryn Mawr College.

Major: Child Psychology. Minor: Supporting Program. Thesis: Children's Social Sensitivity and Ability to Reconcile Conflicting Affective Cues.

Major Adviser: Prof. T. R. Trabasso.

1982. Rebecca Keene Jones. B.A. summa cum laude '77, Boston University; M.Phil.'79, University of Edinburgh.

Major: Child Psychology. Minor: Supporting Program. Thesis: An Ecological Approach to the Development of Picture Perception.

Major Adviser: Prof. A. D. Pick.

1982. Allen Hayward Keniston. B.A. with distinction '73, Stanford University.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Development of Organization in Children's Repeated Free Recall.

Major Adviser: Prof. D. P. Keating.

1982. Joshua Klayman. B.S.'74, Massachusetts Institute of Technology.

Major: Child Psychology. Minor: Supporting Program. Thesis: Analysis of Decision Making Strategies in Children.

Major Adviser: Prof. T. R. Trabasso.

1982. Peter John La Freniere. B.A.'75, University of Michigan.

Major: Child Psychology. Minor: Supporting Program. Thesis: From Attachment to Peer Relations: An Analysis of Individual Differences in Social Adaptation to the Preschool Group.

Major Adviser: Prof. W. R. Charlesworth.

Child Psychology

1982. Kevin Francis Miller. B.A. with honors '77, Haverford College.
Major: Child Psychology. Minor: Supporting Program. Thesis:
Measurement Procedures and the Development of Quantitative Concepts.
Major Adviser: Prof. H. L. Pick.

1982. David Barry Mitchell. B.A.'76, Furman University; M.A.'78, Wake
Forest University.
Major: Child Psychology. Minor: Supporting Program. Thesis: Retrieval
From Semantic and Episodic Memory: Individual Differences in Young and Old
Adults.
Major Adviser: Prof. M. A. Perlmutter.

1982. Patricia Coda Montgomery. B.S.'65, University of Oklahoma; M.A.'69,
University of Minnesota.
Major: Child Psychology. Minor: Supporting Program. Thesis: The Effect
of Sensory Input on Spatial Orientation
Major Adviser: Prof. H. L. Pick.

1983. Daniel Hinkel Ashmead. B.S. with honors '76, Brown University.
Major: Child Psychology. Minor: Supporting Program. Thesis: The
Development of Visual Localization in Human Infants.
Major Adviser: Prof. P. H. Salapatek.

1983. Judith Ethel Brady. B.A. cum laude '72, Goucher College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Cognitive
Development and Social Interaction in Middle Childhood.
Major Adviser: Prof. W. W. Hartup.

1983. Deborah G. Garfin. B.A. magna cum laude '77, Washington University;
M.A.'80, University of Minnesota.
Major: Child Psychology. Minor: Supporting Program. Thesis: Cognitive
Mapping: Individual Differences Across the Life Span.
Major Adviser: Prof. H. L. Pick.

1983. Frederick Lewis Gove. B.A. summa cum laude '75, Merrimack College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Patterns
and Organizations of Behavior and Affective Expression During the Second
Year of Life.
Major Adviser: Prof. L. A. Sroufe.

1983. Michael A. Kuskowski. B.S. with distinction '73, University of
Wisconsin, Madison.
Major: Child Psychology. Minor: Supporting Program. Thesis: Young
Infants' Event-Related Potentials (ERP'S) to Shape and Contour Density in
Two-Dimensional Visual Stimuli.
Major Adviser: Prof. P. H. Salapatek.

1983. Judith Ann List. B.A. with distinction '78, University of Kansas.
Major: Child Psychology. Minor: Supporting Program. Thesis:
Developmental Study of the Reliability of Eyewitness Testimony.
Major Advisers: Profs. M. P. Perlmutter and D. P. Keating.

1983. Teresa Mary Nezworski. B.A. magna cum laude '77, Washington
University.
Major: Child Psychology. Minor: Supporting Program. Thesis: Continuity
in Adaptation Into the Fourth Year: Individual Differences in Curiosity and
Exploratory Behavior of Preschool Children.
Major Advisers: Profs. Byron Egeland and L. A. Sroufe.

1983. Michael Barry Reiner. B.A. with high honors '76, Haverford College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Automatic
and Effortful Word Recognition and its Relationship to Reading Skill.
Major Advisers: Profs. D. P. Keating and F. J. Morrison.

Child Psychology

1983. Mary Josephine Ward. B.A. summa cum laude '78, Bucknell University.
Major: Child Psychology. Minor: Supporting Program. Thesis: Patterns of Maternal Behavior with Firstborns and Secondborns: Evidence for Consistency in Family Relations.
Major Adviser: Prof. L. A. Sroufe.

1984. Richard Alan Arend. B.S. summa cum laude '75, Wright State University.
Major: Child Psychology. Minor: Supporting Program. Thesis: Preschoolers' Competence in a Barrier Situation: Patterns of Adaptation and Their Precursors in Infancy.
Major Adviser: Prof. L. A. Sroufe.

1984. Samuel Wayne Duncan. B.A.'78, Emory University.
Major: Child Psychology. Minor: Supporting Program. Thesis: The Transition of Parenthood: Coping and Adaptation of Couples to Pregnancy and the Birth of Their First Child.
Major Adviser: Prof. L. A. Sroufe.

1984. Marita R. Hopmann. A.B.'68, University of California, Berkeley; M.A.'72, University of Minnesota.
Major: Child Psychology. Minor: Supporting Program. Thesis: Conversations with Young Children: Mothers and Fathers as Playmates and Teachers.
Major Adviser: Prof. A. D. Pick.

1984. William Edward Merriman. B.S. magna cum laude '79, Georgetown University.
Major: Child Psychology. Minor: Supporting Program. Thesis: Children's Transfer of Reference from an Old to a New Name.
Major Adviser: Prof. M. P. Maratsos.

1984. Edward Joseph Schork, Jr. B.A.'74, Haverford College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Affect Expression, Emotional Modulation, and Social Skills in the Preschool: Contemporaneous and Longitudinal Validation of a Behavior Observation Measure.
Major Adviser: Prof. L. A. Sroufe.

1985. Rebecca Ann Eder. A.B. '77, Oberlin College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Children's and Adults' Concepts of Themselves and Other Persons: The Development of the Semantic and Episodic Components of Person Memory.
Major Adviser: Prof. M. A. Perlmutter.

1985. Dana E.C. Fox. B.A. magna cum laude with distinction '73, University of Pennsylvania; M.A. '78, University of Minnesota.
Major: Child Psychology. Minor: Supporting Program. Thesis: Determinants of Adolescent Peer Conformity.
Major Adviser: Prof. W. A. Collins.

1985. Carl Eugene Granrud. B.A. '80, Luther College.
Major: Child Psychology. Minor: Supporting Program. Thesis: Binocular Vision and Spatial Perception in 4- and 5-Month-Old Infants.
Major Adviser: Prof. Albert Yonas.

1985. Donald Francis Rahe. B.S. '72, M.A. '75, University of Iowa.
Major: Child Psychology. Minor: Supporting Program. Thesis: Interaction Patterns between Children and Mothers on Teaching Tasks at Age 42 Months: Antecedents in Attachment History, Intellectual Correlates, and Consequences on Children's Socio-emotional Functioning.
Major Adviser: Prof. L. A. Sroufe.

1985. Christine Maria Todd. B.A. '74, University of Minnesota.
Major: Child Psychology. Minor: Supporting Program. Thesis: Long-Term Recall of Everyday Events By Preschool Children.
Major Adviser: Prof. M. A. Perlmutter.

Child Psychology

1986. Maria Margarita Azmitia. B.A. '79, M.A. '81, University of North Carolina, Greensboro.

Major: Child Psychology. Minor: Supporting Program. Thesis: Interactive Problem Solving in Preschool Children: When Are Two Heads Better Than One?

Major Adviser: Prof. M. A. Perlmutter.

1986. Douglas Alan Behrend. B.A. cum laude '81, Kalamazoo College.

Major: Child Psychology. Minor: Supporting Program. Thesis: The Role of Instruments, Actions, and Results in Children's Naming of Simple Events: Experimental and Naturalistic Data.

Major Advisers: Profs. M. A. Perlmutter and K. G. Dolgin.

1986. Maria Pastuszek Cardle. B.A. '81, University of Notre Dame; M.A. '84, University of Minnesota.

Major: Child Psychology. Minor: Supporting Program. Thesis: Behavioral Patterns Associated With Success and Failure in Problem Solving Among Preschoolers and the Relationship of Early Play and Problem Solving Behaviors to Later Intelligence.

Major Advisers: Profs. R. D. Pick and Byron Egeland.

1986. Carolyn Foster Palmer. B.S. with highest distinction '80, Pennsylvania State University.

Major: Child Psychology. Minor: Supporting Program. Thesis: Infants' Exploration of Objects: Relations Between Perceiving and Acting.

Major Adviser: Prof. A. D. Pick.

Communication Disorders

1976. Marcie Rochelle Waller. A.B. with high distinction '70, M.S.'71, University of Michigan.

Major: Communication Disorders. Minor: Psychology. Thesis: The Role of Context in the Auditory Comprehension of Aphasic Patients.

Major Adviser: Prof. F. L. Darley.

1977. Edward McKee Burns. B.S.'62, University of Notre Dame; M.S.'66, University of Arizona.

Major: Communication Disorders. Minor: Supporting Program. Thesis: On the Perception of Musical Intervals (Frequency Ratios).

Major Adviser: Prof. W. D. Ward.

1978. Lillian Glass. B.S. magna cum laude '74, Bradley University; M.S.'75, University of Michigan.

Major: Communication Disorders. Minor: Supporting Program. Thesis: The Effects of Cosmetic Appearance and Speech on Patients with Orofacial Anomalies.

Major Adviser: Prof. C. D. Starr.

1978. Nancy E. Niccum. B.S.'73, University of Wisconsin, River Falls; M.S.'74, University of Wisconsin, Milwaukee.

Major: Communication Disorders. Minor: Supporting Program. Thesis: Locus of Adaptation Effects in Speech Perception.

Major Adviser: Prof. C. E. Speaks.

1979. Cynthia Jane Johnson. B.A. with highest distinction '73, M.A.'75, University of Iowa.

Major: Communication Disorders. Minor: Supporting Program. Thesis: Perfective Aspect in Grammatical Development.

Major Adviser: Prof. G. M. Siegel.

1981. Marian S. Costley. B.A.'74; M.A.'78, University of Minnesota.

Major: Communication Disorders. Minor: Supporting Program. Thesis: The Perception and Production of Loudness by Children.

Major Adviser: Prof. G. M. Siegel.

Communication Disorders

1981. Janice Kay Borneman Eckels. B.A. cum laude '72, Wake Forest University; M.A.'78, University of Minnesota.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Aphasic Subjects' Use of Categorical and Episodic Probabilities: Error Rates and Reaction Times in a Sentence Verification Task.
Major Adviser: Prof. R. H. Brookshire.
1981. Constance Joan Wellen. B.A.'74, M.A.'75, University of Northern Iowa.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Older Sibling Effects on the Speech Young Children Hear and Produce.
Major Adviser: Prof. P. A. Broen.
1982. Cecile Marie Burzynski. B.A.'77, M.A.'79, University of Minnesota.
Major: Communication Disorders. Minor: Supporting Program. Thesis: The Effects of Feedback Filtering on Nasality Perception.
Major Adviser: Prof. C. D. Starr.
1982. Michael Lewis Kimbarow. B.A.'75, Herbert H. Lehman College; M.S.'76, University of Michigan.
Major: Communication Disorders. Minor: Supporting Program. Thesis: The Influence of Communicative Context on Aphasic Speakers' Demonstration of Rules of Referent Activation and Pronominalization.
Major Adviser: Prof. R. H. Brookshire.
1982. Mary Ann Records. B.S. with high honor '73, Ohio University; M.A.'74, Western Michigan University.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Durational Differences with Variations in Natural Speech Rate in Children.
Major Adviser: Prof. G. M. Siegel.
1982. Christopher William Turner. B.A.'73, University of Wisconsin; M.A.'79, University of Minnesota.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Pure Tone Pitch Perception in Low-Frequency Hearing Loss.
Major Adviser: Prof. W. D. Ward.
1982. Susan Weber. B.A. cum laude '67, San Francisco State University; M.A.'68, Northwestern University.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Perception of Grammatical Morphemes in Attenuated Speech by Children with Histories of Recurrent Otitis Media.
Major Adviser: Prof. P. A. Broen.
1984. Richard Lewis Freyman. B.S. with distinction '76, The Pennsylvania State University; M.A.'78, Temple University.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Mechanisms of Frequency Discrimination in Listeners with Sensorineural Hearing Loss.
Major Adviser: Prof. D. A. Nelson.
1985. Cynthia Ruth Busch. B.A. '71, Northwestern University; B.S. '73, University of Michigan.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Referential Communication Abilities of Aphasic Speakers.
Major Adviser: Prof. R. H. Brookshire.
1985. Jun Katsuki. A.B. magna cum laude '80, Radcliffe College; M.A. '82, University of Minnesota.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Comprehension of Narratives and Dialogues by Aphasic and Nonaphasic Listeners.
Major Adviser: Prof. R. H. Brookshire.

Communication Disorders

1985. Sharon Gail Penner. B.S. '76, University of Winnipeg; M.A. '79, University of Minnesota.
Major: Communication Disorders. Minor: Supporting Program. Thesis: Parental Responses to Grammatically Correct and Incorrect Child Utterances.
Major Adviser: Prof. P. A. Broen.

Education

*1975. Gertrude Marcelle Strinden. B.S. '46, University of Minnesota; M.A. '57, Michigan State University.
Major: Education. Minor: Supporting Program. Thesis: Consumer Concerns of Low Income Homemakers and by Home Economics Teachers: An Exploratory Study.
Major Adviser: Prof. R. R. Ford.

1976. Mary Ann Bayless. B.S.'62, University of Minnesota; M.A.'68, San Diego State College.
Major: Education. Minor: Supporting Program. Thesis: Personality Characteristics and Performance as Related to Preference for Instructional Strategies.
Major Adviser: Prof. E. M. Jaeger.

1976. Kathryn Matey Borman. B.A.'63, Miami University; M.A.'71, Mills College.
Major: Education. Minor: Sociology. Thesis: Social Control and the Process of Schooling: A Study of Two Kindergarten Classrooms.
Major Adviser: Prof. J. C. Weidman.

1976. James Kay Bumpas. B.A.'49, Michigan State University; M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relationship of Stage of Ego Development to the Formulation of Individual Plans.
Major Advisers: Profs. H. Y. Williams, Jr. and Andrew Ahlgren.

1976. Theodore LeRoy Campbell. B.S.'56, M.A.'67, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: University Extension: Its Relationship to Institutional Goals and Faculty Roles.
Major Advisers: Profs. H. Y. Williams and Andrew Ahlgren.

1976. Thomas Bert Duff. B.S.'63, Winona State College; M.A.'68, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Measurement of Personal Economic Understandings Developed in Basic Business.
Major Adviser: Prof. C. R. Hopkins.

1976. Mary Anne Ebert. B.A.'70, University of Minnesota, Duluth; M.A.'72, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Congruence and Conflict in University Goals: A Pilot Study.
Major Adviser: Prof. R. J. Keller.

1976. Beth Marian Erickson. B.A.'67, Gustavus Adolphus College; M.S.'73, Mankato State College.
Major: Education. Minor: Educational Psychology. Thesis: An Evaluation of a Curriculum Intervention: Conceptual Development in In-Service Educators.
Major Advisers: Profs. N. A. Sprinthall and H. Y. Williams.

1976. Sonia Daleki Forseth. B.A.'59, College of St. Catherine; M.A.'70, University of Minnesota.
Major: Education. Minor: Educational Psychology. Thesis: The Effect of Art Activities on Attitudes and Achievement in Fourth Grade Children Pertinent to the Learning of Mathematics and Art.
Major Adviser: Prof. G. L. Piche.

* Inadvertent omission from previous Register.

Education

1976. William Davis Green. B.A.'72, Gustavus Adolphus College; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Verbal Power Struggles in Black and White.
Major Advisers: Profs. N. A. Sprinthall and H. Y. Williams.
1976. Leonard Allan Hoogheem. B.S. '62, Wisconsin State University; M.S.T. '67, University of Arizona.
Major: Education. Minor: Supporting Program. Thesis: A Comparative Study of the Effectiveness of an Introduction to Two- Dimensional Vector Space on Student Abilities to Perform Mathematical Operations on Integers.
Major Adviser: Prof. R. L. Jackson.
1976. Uyunmwuigbebe Ota Imade. B.S.'72, M.S.'73, State University of New York.
Major: Education. Minor: Business Administration. Thesis: Planning Technology and Vocational Education for Schools in Nigeria.
Major Adviser: Prof. D. C. Bjorkquist.
1976. John Richard Isch. B.S.'58, Dr. Martin Luther College; M.Ed.'64, University of Nebraska.
Major: Education. Minor: Supporting Program. Thesis: A Study of Certain Mediating Variables in Learning Inquiry-Related Thinking Processes.
Major Adviser: Prof. A. K. Ellis.
1976. Bernard Rodney Klassen. B.A.'62, B.Ed.'62, M.Ed.'69 University of Manitoba.
Major: Education. Minor: Supporting Program. Thesis: Sentence-Combining Exercises as an Aid to Expediting Syntactic Fluency in Learning English as a Second Language.
Major Adviser: Prof. Robert Dykstra.
1976. Tsung Shun Na. B.Ed.'54, Taiwan Normal University; M.A.'69, University of British Columbia.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Character Frequency in Current Chinese Publications and That of Texts Used for the Teaching of Chinese in American Colleges and Universities.
Major Advisers: Profs. D. L. Lange and R. B. Mather.
1976. Judythe Pearson Patberg. B.S.'68, Bemidji State College; M.A.'74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relative Effects of Reader Ability and Material Difficulty on the Size of the Perceptual Span in Reading.
Major Advisers: Profs. M. F. Graves and Albert Yonas.
1976. Howard Lindsey Peterson. B.S.'69, M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Occupational Orientations of Undergraduates in an External Degree Program: University Without Walls.
Major Adviser: Prof. J. C. Weidman.
1976. Orville George Ruud. B.S.'53, M.A.'61, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Construction of an Instrument to Measure Proportional Reasoning Ability of Junior High Pupils.
Major Adviser: Prof. C. H. Boeck.
1976. Timothy C. Standal. B.A.'69, Western Washington State College.
Major: Education. Minor: Educational Psychology. Thesis: The Effects of Syntactic, Semantic, and Contextual Variations on Children's Comprehension and Recall of Casual Relations.
Major Advisers: Profs. Robert Dykstra and P. D. Pearson.

Education

1976. Michael Caley Strange. B.S.'68, M.A.'72, Michigan State University.
Major: Education. Minor: Supporting Program. Thesis: The Effects of
Orthographic Anomalies upon Fluent Reading Performance.
Major Adviser: Prof. J. C. Manning.

1976. Linda Rose Tanner. B.A.'64, University of Oregon; M.A.'72,
California State College.
Major: Education. Minor: Supporting Program. Thesis: The Effects of
Variation in Word Familiarity, Story Content, and Instructional Effort on
Boys' and Girls' Comprehension of Literal and Inferential Questions.
Major Adviser: Prof. P. D. Pearson.

1976. Margaret Anne Thompson. B.A. cum laude '67, University of Colorado;
M.A.'69, University of Minnesota.
Major: Education. Minor: Sociology. Thesis: Trait, State, and
Academic/Test Anxiety: Their Relationship to Reading Performance.
Major Adviser: Prof. A. L. Raygor.

1976. Inge E. Borkenhagen Whiting. B.A. cum laude '65, University of St.
Thomas; M.A.'66, Middlebury College.
Major: Education. Minor: German and Spanish. Thesis: The Effects of
Syntactic Complexity on Comprehension of Connected Discourse in Reading
German as a Second Language.
Major Advisers: Profs. D. L. Lange and H. L. Jorstad.

1977. Edwin Dean Andersen. B.A. cum laude '57, Macalester College;
M.S.T.'66, Illinois Institute of Technology.
Major: Education. Minor: Mathematics. Thesis: An Evaluation of a
Teacher In-Service Program on Computer-Extended Mathematics, Grades 7-12.
Major Adviser: Prof. D. C. Johnson.

1977. Eugene Louis Atkin. A.B.'58, Grinnell College; M.A.'69, University
of Minnesota.
Major: Education. Minor: Philosophy. Thesis: Students' Views of
Objectives for Teaching Value Development in College Humanities Courses.
Major Adviser: Prof. R. E. Eckert.

1977. Annie Pearl Baldwin. B.S.Nurs.'62, Agricultural and Technical
College School of Nursing.
Major: Education. Minor: Supporting Program. Thesis: The Development
of Competencies for School Health Teachers in the State of Minnesota.
Major Advisers: Profs. F. H. Wood and R. D. Kimpston.

1977. John Bernell Bastolich. B.S. with high distinction '59, M.S.'64,
University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relationship
of Social Studies Teachers' Conceptual or Belief Systems to the Level of
Student and Teacher Thought, Student-Teacher Verbal Interaction and Student
Attitudes Toward Classroom Atmosphere.
Major Advisers: Profs. Edith West and A. D. Glenn.

1977. Kathleen Gill Bowman. B.S. with high distinction '64, M.A.'67,
University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Stereotypical
Responses of White Undergraduate Teacher Candidates Before and After Human
Relations Training.
Major Advisers: Profs. G. L. Piche and S. B. Kegler.

1977. Donald F. Bradel. B.S.'71, M.S.'72, Southern Illinois University.
Major: Education. Minor: Supporting Program. Thesis: A Study to
Develop a Comprehensive, Baccalaureate Criminal Justice Curriculum for the
State of Minnesota Using Task Analysis and Subject Specialists.
Major Adviser: Prof. C. P. Hooker.

Education

1977. Mary Elizabeth Broderick. B.S.'62, M.Ed.'65, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Information Structures: An Analysis of Nursing Performance.
Major Adviser: Prof. W. M. Ammentorp.
1977. William Dewey Brunner. B.S.'60, M.A.'65, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Identification of System Inputs and Outputs for Minnesota Two-Year Community College Marketing Programs.
Major Advisers: Profs. M. K. Klaurens and G. N. McLean.
1977. Ray Thomas Clifford. B.A. cum laude '68, M.A.'70, Brigham Young University.
Major: Education. Minor: German. Thesis: Reliability and Validity of Oral Proficiency Ratings and Convergent/Discriminant Validity of Language Aspects of Spoken German Using the MLA Cooperative Foreign Language Proficiency Tests: German (Speaking) and an Oral Interview Procedure.
Major Advisers: Profs. D. L. Lange and H. L. Jorstad.
1977. Marion Crowhurst. B.A.'55, University of Sydney; B.D.'68, Melbourne College of Divinity.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Audience and Mode of Discourse on the Syntactic Complexity of the Writing of Sixth and Tenth Graders.
Major Adviser: Prof. G. L. Piche.
1977. William Jefferson Cryer. B.A.'72, California State College.
Major: Education. Minor: Sociology. Thesis: A Comparison of the Attitudes and Mobility of Administrators in Four Colleges and Universities in Minnesota.
Major Adviser: Prof. W. M. Ammentorp.
1977. Daniel Leroy Dustin. A.B.'68, M.S.'74, University of Michigan.
Major: Education. Minor: Supporting Program. Thesis: Gaming-Simulation in the College Classroom: An Assessment of "Quagmire," a Recreation Resource Management Game.
Major Adviser: Prof. F. M. Chapman.
1977. Alan Erik Farstrup. B.A.'65, Iowa State University.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Validity of a Measure of Minimal Reading Competency at the Eleventh Grade/Age Seventeen Level.
Major Adviser: Prof. J. C. Manning, Jr.
1977. Doris Evelyn Flowers. B.S.'67, Bishop College; M.Ed.'72, East Texas State University.
Major: Education. Minor: Supporting Program. Thesis: A Study of Differences Within Ethnic Background: Relationships Between Reading Achievement and Certain Sociocultural Characteristics of Black Children.
Major Adviser: Prof. F. H. Wood.
1977. Lois Marian Frels. B.S.N.'59, Augustana College; M.A.'64, State University of Iowa.
Major: Education. Minor: Supporting Program. Thesis: The Baccalaureate Nursing Education Program: Faculty and Student Assessment of Student Capabilities Through the Use of Behavioral Objectives Inventory.
Major Adviser: Prof. D. G. Force, Jr.
1977. Victor Froese. B.Ed.'67, University of British Columbia; M.Ed.'70, Western Washington State College.
Major: Education. Minor: Supporting Program. Thesis: The Quality, Direction, and Distance of Within Sentence Contextual Constraints.
Major Adviser: Prof. P. D. Pearson.

Education

1977. Erwin King Geigle. Ph.B.'67, M.S.'70, University of North Dakota. Major: Education. Minor: Supporting Program. Thesis: Assessment of Pedagogical Needs of Post-Secondary Vocational and Technical Instructors: A Systematic Approach. Major Advisers: Profs. B. B. Smith and D. C. Bjorkquist.

1977. Sally Glassberg. A.B.'69, M.S.W.'73, M.A.Ed.'73, Washington University. Major: Education. Minor: Supporting Program. Thesis: A Cognitive-Developmental Approach to Student Teacher Supervision--A Curriculum in Peer Supervision. Major Adviser: Prof. H. Y. Williams, Jr.

1977. Angie Marie Guggenberger Nelson. B.A.'68, M.A.'72, University of Minnesota. Major: Education. Minor: Anthropology. Thesis: The Special Education Director: An Ethnography of a Statesman. Major Advisers: Profs. M. L. Dobbert and A. H. Harkins.

1977. Allan Roy Hagerup-Neilsen. B.A.Gen.'68, B.Ed.'71, M.Ed.'73, University of Manitoba. Major: Education. Minor: Educational Psychology. Thesis: The Role of Macrostructures and Linguistic Connectives in Comprehending Familiar and Unfamiliar Written Discourse. Major Adviser: Prof. P. D. Pearson.

1977. Earl E. Halvas. B.S.'58, M.A.'62, Northern Michigan College of Education. Major: Education. Minor: Supporting Program. Thesis: Relationships Among Achievement, Socio-Economic Status, Attendance, Office Education Environment, and Sociometric Status. Major Adviser: Prof. C. R. Hopkins.

1977. DeAn Wickboldt Hansen. B.S.'64, M.S.T.'69, Wisconsin State University. Major: Education. Minor: Supporting Program. Thesis: A Comparison of Teacher-Role Openness Characteristics of Selected Graduates of the University of Wisconsin at River Falls. Major Adviser: Prof. R. T. Lambert.

1977. Karen M. Hanson. B.A. cum laude '64, Gustavus Adolphus College; M.S.'68, Agricultural and Technical College of North Carolina. Major: Education. Minor: Supporting Program. Thesis: The Relationships Between Reading Ability and Semantic Verification Tasks. Major Adviser: Prof. R. L. Schreiner.

1977. Fred Durbin Hoefer. B.S. with high distinction '70, M.S.'71, University of Minnesota. Major: Education. Minor: Supporting Program. Thesis: Returnee Assessment of Exchange Program P-1-0004 Three to Thirteen Years Later. Major Adviser: Prof. R. P. Marvin.

1977. William Edward Hohenhaus. B.S.'60, M.A.'64, University of Minnesota. Major: Education. Minor: Supporting Program. Thesis: Developing and Evaluating a Procedure for Identifying, Sequencing and Determining an Instructional Environment for Competencies Needed at Various Occupational Levels in the Retail Feed Industry of Minnesota. Major Advisers: Profs. R. P. Marvin and G. H. Copa.

1977. Kathleen Faye Jacobson. B.S.'67, M.A.'72, University of Minnesota. Major: Education. Minor: English as a Second Language. Thesis: Relationships Between Motivational Indices and Adult ESL Learner's Ability to Process Grammatical Features in Imitation, Comprehension, and Production Tasks. Major Adviser: Prof. H. L. Jorstad.

Education

1977. Kenneth Walter Jeddelloh. B.S.'64, M.S.'68, University of Minnesota. Major: Education. Minor: Zoology. Thesis: The Effect on Science Learning of Teacher Arranged Activity Sequence Versus Student Selected Activity Sequence.
Major Adviser: Prof. C. H. Boeck.

1977. Marvin Duane Kleene. B.S.'70, University of Minnesota; M.S.'73, North Dakota State University. Major: Education. Minor: Supporting Program. Thesis: Teaching Strategies Based on an Analysis of Profitability Factors for Selected Farming Types in the Minnesota Vocational Agriculture Farm Management Education Program.
Major Adviser: Prof. E. A. Persons.

1977. John Robert Kobe. B.A.'56, B.S.'65, M.A.'68, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: An Analysis of Competencies Necessary for Adult Vocational Education Instructors Who Teach in Programs Reimbursed by the Minnesota State Department of Education.
Major Adviser: Prof. R. D. Ashmun.

1977. Jerry W. Larson. B.A.'69, Utah State University; M.A.'74, Brigham Young University. Major: Education. Minor: Spanish. Thesis: An Examination of Student Interest and Teacher Perception of Student Interest with Respect to the Target Culture in Second-Language Classes.
Major Adviser: Prof. H. L. Jorstad.

1977. Jong Sung Lee. B.S.'61, M.E.'69, Yonsei University. Major: Education. Minor: Supporting Program. Thesis: A Methodological Evaluation of Delphi Forecast Procedures and Products in a Field Study Situation.
Major Advisers: Profs. R. J. Keller and G. W. Kingston.

1977. Gerald Rhodney Martin. B.A. magna cum laude '68, Macalester College; M.S.Math.'70, California Institute of Technology. Major: Education. Minor: Educational Psychology. Thesis: Distributional Estimates of the Carryover Parameter Theta in the Integrated Moving Averages Time-Series Model IMA(1,1).
Major Adviser: Prof. V. L. Hendrix.

1977. Margie I. Mayfield. B.A. magna cum laude '69, Macalester College; M.A.'74, University of Minnesota. Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Effects of Code Systems Instruction on Kindergarten Children's Perceptions of the Nature and Purpose of Reading.
Major Adviser: Prof. H. S. Hansen.

1977. Thomas Barrett Mich. B.A.'65, St. Paul Seminary; M.A.'66, College of St. Thomas. Major: Education. Minor: Educational Administration. Thesis: Humanities Education for Values Instruction in Light of a Critical Examination of a Values Clarification Technique.
Major Adviser: Prof. R. H. Beck.

1977. Linda A. Winters Miner. B.S.'67, M.A.'71, University of Kansas. Major: Education. Minor: Supporting Program. Thesis: The Effects of Group Structure Training for Recognizing Higher Level Questions and Modeling on the Question-Asking Behaviors of Upper Elementary Students.
Major Adviser: Prof. J. E. Stochl.

1977. Cary Alan Negin. B.A. with honors '71, University of Notre Dame; M.Ed.'74, Florida Atlantic University. Major: Education. Minor: Educational Psychology. Thesis: The Effects of Reading Ability and Difficulty Level on Students' Abilities to Recognize Words in Isolation and Context.
Major Adviser: Prof. J. C. Manning.

Education

1977. Tom Nicholson. B.A.'70, M.A.'72, University of Sydney.
Major: Education. Minor: Supporting Program. Thesis: The Relative Effects of Different Error Types on Understanding of Connected Discourse.
Major Advisers: Profs. Robert Dykstra and P. D. Pearson.
1977. Elray Lincoln Pedersen. B.S.'62, M.A.'64, Brigham Young University.
Major: Education. Minor: Supporting Program. Thesis: Improving Syntactic and Conceptual Fluency in the Writing of Language Arts Students Through Extended Practice in Sentence-Combining.
Major Advisers: Profs. G. L. Piche and Andrew MacLeish.
1977. Peter Merle Probasco. B.S.'56, M.A.'61, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Relationship of Entrepreneurs' Knowledge of Economic Principles and Their Attitudes Toward Education and Risk Taking.
Major Adviser: Prof. E. A. Persons.
1977. Marilyn Martin Rossmann. B.S.'58, Iowa State University; M.A.'74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Job Relatedness as a Criterion for Assessing Vocational Program Effectiveness.
Major Adviser: Prof. Jerome Moss, Jr.
1977. Barbara Ruth Swaby. B.A.'68, Tusculum College; M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Comparative Effects of Advance Organizers and Vocabulary Introduction on the Comprehension of Elementary School Students.
Major Adviser: Prof. R. L. Schreiner.
1977. Carol Louise Tennyson. B.S.'64, Brigham Young University; M.S.'74, Florida State University.
Major: Education. Minor: Supporting Program. Thesis: Content Structure and Management Strategies as Design Variables in Concept Acquisition.
Major Advisers: Profs. A. D. Glenn and R. D. Kimpston.
1977. Ruth Gladys Thomas. B.S. with high distinction '65, M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Forced Exposure to Information: Cognitive Dissonance Theory and Vocational Commitment.
Major Adviser: Prof. E. A. Pearsons.
1978. Burt O. Anderson. B.S. in Sci.Eng.'60, Northwestern University; M.A.'67, Roosevelt University.
Major: Education. Minor: Physics. Thesis: The Effects of Long Wait-Times on High School Physics Pupils' Response Length, Classroom Attitudes, Science Attitudes and Achievement.
Major Adviser: Prof. C. H. Boeck.
1978. Earl Charles Benson. B.S.'61, M.A.'67, University of Minnesota.
Major: Education. Minor: Music. Thesis: An Assessment Model for Elementary and Secondary School Music Programs.
Major Advisers: Profs. E. M. Turrentine and S. W. Schultz.
1978. Richard H. Bents. B.A.'71, Southwest Minnesota State College; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Study of the Effects of Environmental Structure on Students of Differing Conceptual Levels.
Major Advisers: Profs. Kenneth Howey and William Gardner.
1978. William Graham Browning. B.A.'67, M.A.'69, University of California, Santa Barbara.
Major: Education. Minor: Supporting Program. Thesis: Four Experiments on Underlining as a Review Aid for College Students.
Major Adviser: Prof. A. L. Raygor.

Education

1978. Tom Buttrey. B.S.'61, B.S.'62, M.A.'64, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Pretask Instructions, Management Strategies and Feedback Reinforcement as Design Variables in Concept Acquisition.
Major Adviser: Prof. R. D. Tennyson.

1978. Linda Marie Crawford. A.B. magna cum laude '72, Emmanuel College.
Major: Education. Minor: Educational Administration. Thesis: Paulo Freire's Philosophy: Derivation of Curricular Principles and Their Application to Second Language Curriculum Design.
Major Adviser: Prof. D. L. Lange.

1978. James Joseph Duffey, Jr. B.S.'73, M.A.'74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Replication Study: A System for Assessing Pedagogical Needs of In-Service Secondary Vocational Teachers.
Major Adviser: Prof. D. C. Bjorkquist.

1978. M. Christine McKinnie Dunham. B.S.Ed.'52, M.S.Ed.'54, Southern Illinois University.
Major: Education. Minor: Educational Administration. Thesis: Relationship of Belief in Internal Versus External Control of Reinforcement and Program Assignment to the Quality of Participation of Urban Secondary Students in a Senior High School Magnet Program.
Major Advisers: Profs. R. F. Weatherman, F. H. Wood, and J. M. Taborn.

1978. Richard Lawrence Eggert. B.A.'67, Loras College; M.A.T.'68, M.A.'74, College of St. Thomas.
Major: Education. Minor: Supporting Program. Thesis: Differential Effects of High and Moderate Environmental Structure upon the Vocational Decision Making Competency of Male and Female High School Seniors Grouped According to High and Low Conceptual Level.
Major Adviser: Prof. W. W. Tennyson.

1978. Rivka Anne Eisikovits. B.A.'70, M.A.'75, Hebrew University.
Major: Education. Minor: Anthropology. Thesis: The Sisters of Our Lady of Charity of the Good Shepherd 1835-1977: A Study in Cultural Adaptation.
Major Advisers: Profs. R. H. Beck and M. L. Dobbert.

1978. Scott William Erickson. B.A.'70, M.A.'73, University of Minnesota.
Major: Education. Minor: History. Thesis: A Systematic Analysis of the Foundations of Education Toward a Unified Theory.
Major Adviser: Prof. A. M. Harkins.

1978. Barbara Ann Grachek. B.S.'62, M.S.'63, St. Cloud State College.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Job Satisfaction among Minnesota College Administrators and Certain Personal and Work Role Characteristics.
Major Adviser: Prof. R. J. Keller.

1978. Alton Lee Greenfield. A.B.Ed.'65, Calvin College; M.A.'69, Clarke College.
Major: Education. Minor: Supporting Program. Thesis: The Relationship among Selected Word Attack Skills, Selected Comprehension Skills, Selected Listening Skills, and Intelligence.
Major Adviser: Prof. J. C. Manning.

1978. Georgia Ann Gudykunst. B.A. in Education with high distinction '70, M.A.'75, Arizona State University.
Major: Education. Minor: Sociology. Thesis: An Application of Contact Theory to Human Relations Training.
Major Adviser: Prof. R. H. Beck.

1978. Markita Louise Gulliver. B.S.'67, A.M.'68, Stanford University.
Major: Education. Minor: Supporting Program. Thesis: The Effect of the Spatial Visualization Factor on Achievement in Operations with Fractions.
Major Adviser: Prof. J. E. Stochl.

Education

1978. Gabriel Haim. B.A.'73, Hebrew University of Jerusalem.
Major: Education. Minor: Supporting Program. Thesis: Elements of Research Style in Relation to Research Productivity and to Academic Ideologies, in Four Socio-Behavioral Fields.
Major Advisers: Profs. R. J. Keller and J. C. Weidman.
1978. Susan Frances Knoblauch Hawke. B.S.'67, M.A.'74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of Affective and Achievement Outcomes in a College Arithmetic and Elementary Algebra Program Using Four Treatment Goal Structures.
Major Adviser: Prof. T. R. Post.
1978. Melvin Earl Johnson. B.S. with distinction '65, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Analysis of Student Finance in Minnesota Area Vocational-Technical Institutes.
Major Adviser: Prof. Jerome Moss, Jr.
1978. June Elizabeth Kreutzkamp. B.S.'62, M.S.'70, Iowa State University.
Major: Education. Minor: Supporting Program. Thesis: Teachers' Conceptual Systems as a Predictor of Beliefs About the Teaching Process.
Major Adviser: Prof. M. M. Brown.
1978. Dale E. LaFrenz. B.S.'61, Mankato State College.
Major: Education. Minor: Supporting Program. Thesis: The Documentation and Formative Evaluation of a Statewide Instructional Computing Network in the State of Minnesota.
Major Adviser: Prof. D. C. Johnson.
1978. Chak Chi Lau. B.A.'73, National Chengchi University; M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Adaptive Design Strategies for Error Detection and Process Feedback in Concept Learning.
Major Adviser: Prof. R. D. Tennyson.
1978. Nancy Annabelle Thompson Lowry. B.S.'69, M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Controversy on Cooperative Groups in an Elementary School Classroom.
Major Advisers: Profs. A. H. Humphreys and R. T. Lambert.
1978. Chaicharn Maninus. B.S.'64, M.S.'70, Kasetsart University.
Major: Education. Minor: Supporting Program. Thesis: A Model for a Program for Extension Personnel in Thailand.
Major Adviser: Prof. R. P. Marvin.
1978. Mary Beth Marr. B.A.'72, M.S.'75, Purdue University.
Major: Education. Minor: Supporting Program. Thesis: The Influence of Reading Ability and Mode of Presented Information on the Perception of Events.
Major Adviser: Prof. P. D. Pearson.
1978. Sabra Ann Mumford. B.S.'69, Farmington State College; M.S.'75, University of Wisconsin, Stout.
Major: Education. Minor: Supporting Program. Thesis: The Role of the University Supervisor of Student Teachers as Perceived by Members of Their Role-Set in Selected Secondary Schools in Maine.
Major Adviser: Prof. E. A. Persons.
1978. Pamela Jane Myers. B.A.'65, University of Richmond; M.A.'71, University of Massachusetts.
Major: Education. Minor: French. Thesis: Student Factors as Indicators of Continuation in Secondary School Study of French/German/Spanish as a Second Language.
Major Advisers: Profs. D. L. Lange and H. H. Jorstad.

Education

1978. Sharon Nodie Oja. B.A. cum laude '66, Macalester College; M.A.'71, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Cognitive-Structural Approach to Adult Ego, Moral and Conceptual Development Through Inservice Teacher Education.
Major Advisers: Profs. H. Y. Williams and N. A. Sprinthall.

1978. Norma J. Olson. B.S.C.'52, State University of Iowa; M.A.'66, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Design and Validation of a Straight-Copy Typewriting Prognostic Test Using Kinesthetic-Sensitivity.
Major Adviser: Prof. G. N. McLean.

1978. Ok-Choon Park. B.A.'67, Kongju National Teachers' College; M.A.'72, Seoul National University; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Adaptive Instructional Strategies for Coordinate Concept Acquisition.
Major Adviser: Prof. R. D. Tennyson.

1978. Rolf William Parsons. B.S. with distinction '70, M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Students' Recall of Short Story Content Following Presentation in Print and Television Media.
Major Advisers: Profs. Andrew Ahlgren and R. D. Kimpston.

1978. Jeanne Marie Pietig. B.A.'67, College of St. Catherine.
Major: Education. Minor: Philosophy. Thesis: A Philosophical Analysis of John Dewey's and Lawrence Kohlberg's Theories of Moral Development and Moral Education.
Major Adviser: Prof. R. H. Beck.

1978. Sister Ann Redmond. B.A.'62, College of St. Catherine; M.A.'69, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Children's Response to Metaphor in Poetry.
Major Adviser: Prof. R. N. Odland.

1978. Donald L. Rubin. B.A. with high distinction '72, State University of New York, Buffalo; M.A.'77, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Development in Syntactic and Strategic Aspects of Audience Adaptation Skills in Written Persuasive Communication.
Major Adviser: Prof. G. L. Piche.

1978. Randall James Ryder. B.A.'71, M.A.'73, University of Colorado.
Major: Education. Minor: Supporting Program. Thesis: Secondary Students' Internalization of Letter-Sound Correspondences.
Major Adviser: Prof. M. F. Graves.

1978. Sumner William Schacter. A.B.'69, Princeton University.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Effects of Vocabulary Instruction and Schemata Orientation upon Reading Comprehension.
Major Adviser: Prof. J. C. Manning.

1978. Steven Frederick Schomberg. B.A.'66, University of Iowa; B.D.'69, Union Theological Seminary.
Major: Education. Minor: Educational Psychology. Thesis: Moral Judgment Development and Its Relationship to Freshman-Year Experiences.
Major Adviser: Prof. D. A. Biggs.

1978. Elana Goldberg Shohamy. B.A.'71, Hamline University.
Major: Education. Minor: Educational Psychology. Thesis: Investigation of the Concurrent Validity of the Oral Interview with Cloze Procedure for Measuring Proficiency in Hebrew as a Second Language.
Major Advisers: Profs. H. H. Jorstad and D. L. Lange.

Education

1978. Mariah Snyder. B.S.N.'60, College of Saint Teresa; M.S.N.'72, University of Pennsylvania.
Major: Education. Minor: Supporting Program. Thesis: Preparation of Nursing Students for Health Care Teams.
Major Adviser: Prof. M. L. Dobbett.

1978. Wattana Suksmai. B.A.'61, M.Ed.'66, Chulalongkorn University; M.A.'72, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Analysis of Sentence Structure in the Textbooks Used to Teach Foreign Students in Programs of English as a Second Language in American Universities.
Major Adviser: Prof. D. L. Lange.

1978. Roushdy Ahmad Toiemah. B.A.'62, Gen.Dipl.Ed.'63, Spec.Dipl.Ed.'64, M.A.'71, Ain Shams University.
Major: Education. Minor: Arabic. Thesis: The Use of Cloze to Measure the Proficiency of Students of Arabic as a Second Language in Some Universities in the United States.
Major Advisers: Profs. H. H. Jorstad and D. L. Lange.

1978. William Bathurst Walstad. B.A. with distinction '72, University of Wisconsin; M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Economic Problem Solving in Elementary Schools: Specification and Estimation of Alternative Learning Models to Measure In-Service Program Impact.
Major Adviser: Prof. W. E. Becker, Jr.

1978. Carol Mick White. A.B.'53, M.S.'63, West Virginia University.
Major: Education. Minor: Mathematics. Thesis: An Evaluation of Three Instructional Strategies Using Diagnostic Tests and Audio-Taped Study Instruction in an Individualized Remedial Mathematics Program for College Students.
Major Adviser: Prof. D. C. Johnson.

1978. Margaret Gaber Wilsman. B.S.'64, M.S.'70, Purdue University.
Major: Education. Minor: Supporting Program. Thesis: Student's Conceptual System as a Predictor of Modes of Self-Evaluation.
Major Adviser: Prof. M. M. Brown.

1978. May-Ling Tan Wong. B.S.(hons.) '67, M.A.'70, University of Malaya; M.A.'74, University of Minnesota.
Major: Education. Minor: Mathematics. Thesis: The Effects of Handling Manipulative Devices on the Learning of Selected Concepts in Geometry--A Study with Thirteen Year Old Pupils in Malaysia.
Major Adviser: Prof. D. C. Johnson.

1979. Georganna Sampson Ahlfors. B.S.'68, University of Minnesota, Duluth; M.A.'72, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Learning Word Meanings: A Comparison of Three Instructional Procedures.
Major Adviser: Prof. Robert Dykstra.

1979. Patricia Ann Brock Barta. B.S. with distinction '65, M.A.'69, Cert.Spec.Ed.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Study of Children's Reactions to the Assertive Behavior of Female Characters in Books.
Major Adviser: Prof. R. N Odland.

1979. Lauren Le Roy Bast. B.A.'68, University of Minnesota; M.S.'71, St. Cloud State College.
Major: Education. Minor: Supporting Program. Thesis: Participatory Television and Presenter Types as Variants in Instructional Television for Noninstitutionalized Senior Citizens Involved in Medication Instruction.
Major Advisers: Profs. C. A. Carrier and D. L. Lange.

Education

1979. Susanna Martha Brutsch. M.S.'72, Mankato State University.
Major: Education. Minor: Supporting Program. Thesis: Convergent/Discriminant Validation of Prospective Teacher Proficiency in Oral and Written Production of French by Means of the MLA Cooperative Foreign Language Proficiency Tests: French, Direct Proficiency Tests for Teachers (TOP and TWP), and Selfratings.
Major Advisers: Profs. H. L. Jorstad and D. L. Lange.
1979. Paul William Carstens. B.S.'59, Washington State University; M.A.'65, Kent State University.
Major: Education. Minor: German. Thesis: Normal CLOZE Scores and Multiple-Choice CLOZE Scores for Testing German as a Second Language.
Major Adviser: Prof. D. L. Lange.
1979. Johnny Ning Chao. B.A.'65, National Taiwan University; M.S.'71, Stout State University.
Major: Education. Minor: Supporting Program. Thesis: Role of Formative Evaluation and Presentation Forms as Instructional Design Variables for Facilitation of Children's Concept Learning.
Major Advisers: Profs. R. D. Tennyson and J. S. Youngers.
1979. Genevieve Rummell Cramer. B.A.'60, M.S.'66, Kansas State Teachers College.
Major: Education. Minor: Supporting Program. Thesis: An Examination of the Validity and Utility of a Long Word Measure in the Prediction of Readability.
Major Adviser: Prof. A. L. Raygor.
1979. Patricia Crisham. B.A.'60, College of St. Catherine; M.S.N.'63, Catholic University of America.
Major: Education. Minor: Supporting Program. Thesis: Nurses' Moral Judgment in Hypothetical Nursing Dilemmas.
Major Advisers: Profs. M. E. Corcoran and J. R. Rest.
1979. Thomas Allen Duke. B.A.'63, Capital University; B.D.'67, Luther Theological Seminary; M.A.'74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Attitudes, Interests and Experiences of Lutheran Seminary Interns, An Exploratory Study.
Major Advisers: Profs. C. R. Bruning and R. J. Keller.
1979. Sister Mary Adrienne Eickman. B.A.'66, Mount Mary College; M.A.'72, Western Michigan University.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Consumer Context and Practice on the Acquisition of Numerical Estimation Skills at the Junior High Level.
Major Adviser: Prof. J. E. Stochl.
1979. Kathryn Teresa Kelly Ernie. B.S.'73, University of North Dakota; M.S.'75, University of Illinois.
Major: Education. Minor: Mathematics. Thesis: The Contribution of a Formal Study of Algorithms on Deductive Reasoning Ability of High School Geometry Students.
Major Adviser: Prof. T. R. Post.
1979. Robert Eugene Hallquist. B.A.'58, Hamline University; M.A.'64, University of Minnesota.
Major: Education. Minor: Music. Thesis: A Comparative Study of the Effect of Various Mouthpieces on the Harmonic Content of Trumpet Tones.
Major Advisers: Profs. P. G. Roll and E. M. Turrentine.
1979. Jane Ann Lindorff Hansen. B.S.'64, Drake University; M.A.'76, University of Iowa.
Major: Education. Minor: Educational Psychology. Thesis: The Effects of Questioning Strategies and Utilization of Prior Knowledge on the Inferential Ability of Second Grade Readers.
Major Adviser: Prof. P. D. Pearson.

Education

1979. Diane Phyllis Hyatt Hedin. B.A. cum laude '65, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Teenage Health Consultants: An Action Learning Program to Promote Psychological Development.

Major Advisers: Profs. N. A. Sprinthall and H. Y. Williams.

1979. Karla Ann Henderson. B.S.'71, M.S.'76, Iowa State University.

Major: Education. Minor: Supporting Program. Thesis: Motivations and Selected Characteristics of Adult Volunteers in Extension 4-H Youth Programs in Minnesota.

Major Adviser: Prof. F. M. Chapman.

1979. Maynard Alvin Herem. B.S.'55, Iowa State College; M.S.'70, University of Wisconsin, Milwaukee.

Major: Education. Minor: Educational Psychology. Thesis: The Learning Efficiency of Logical, Random and Self-Sequenced Adult Learning Units.

Major Advisers: Profs. H. G. Copeland and W. M. Bart.

1979. Jeannie Lou Moore Hudson. B.A.'72, Wayne State University; A.M.L.S.'73, University of Michigan.

Major: Education. Minor: Supporting Program. Thesis: Development of an Instructional Cost and Performance Paradigm by Investigating Variables and Conditions Used in Defining Effective Instruction in Both Higher Education and Industrial Training.

Major Adviser: Prof. R. D. Tennyson.

1979. Barbara Sanderson Humphreys. B.A.'45, Michigan State College; M.A.'69, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Cooperation, Competition, Individualism and the Ninth Grade Science Student.

Major Adviser: Prof. R. T. Johnson.

1979. Arthur Jasper Indelicato. B.A.'59, M.Ed.'63, St. Mary's College; M.A.'66, University of California.

Major: Education. Minor: Supporting Program. Thesis: A Study of the Effects of Multiple-Embodiments in the Teaching of Selected Mathematical Concepts to Seventh Grade Students.

Major Adviser: Prof. T. R. Post.

1979. Hope Elizabeth Bouvette Isaacson. B.S. with distinction '57, M.A.'75, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: A Study of the Similarity of Supervisor, Student and Teacher Self Ratings of Secondary Vocational Teacher Effectiveness.

Major Adviser: Prof. D. J. Pucel.

1979. Raghbir Singh Jassal. B.A.'59, M.A.'62, B.Ed.'70, Panjab University; M.L.S.'74, University of Oregon.

Major: Education. Minor: Supporting Program. Thesis: Redesign of Definition; Presentation of a Definitional Algorithm and Error Correction as Design Variables Using an Adaptive Computer-Based Instructional System.

Major Adviser: Prof. R. D. Tennyson.

1979. Judith Louise Bond Johnson. B.S.'61, University of Rochester; M.P.H.'75, University of Minnesota.

Major: Education. Minor: Public Health. Thesis: The Effects of a Patient-Centered Educational Program on Persons' Adaptability to Live with a Chronic Disease.

Major Adviser: Prof. A. D. Glenn.

1979. Sung Soo Kim. B.S.'67, M.Ed.'71, Seoul National University.

Major: Education. Minor: Supporting Program. Thesis: A Study of the Relationship of FFA Advisor Cognitive Knowledge and FFA Chapter Activeness.

Major Adviser: Prof. E. A. Persons.

Education

1979. Gloria Florence Kortmeyer. B.A. cum laude '49, Huron College; M.A.'67, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Expectations of Sixth and Seventh Grade Teachers Concerning Selected Language Arts Competencies of Students.
Major Adviser: Prof. Robert Dykstra.
1979. Richard Arnold Krueger. B.A.'64, Bethel College; M.A.'71, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Development of a Dynamic Simulation Model Used as a Tool in Policy Analysis in the Expanded Food and Nutrition Education Program.
Major Adviser: Prof. W. M. Ammentorp.
1979. Gail Yong-Yin Lee. B.A.'71, National Chengchi University; M.S.'74, Stout State University.
Major: Education. Minor: Supporting Program. Thesis: On-Task Adaptation of Imagery and Its Verbal Cueing as Adjunct Elaborations for Prose Learning.
Major Adviser: Prof. R. D. Tennyson.
1979. John William Mirocha. B.A., B.S.'73, M.A.'76, University of Minnesota.
Major: Education. Minor: Anthropology. Thesis: Desegregation and Integration: An Ethnography of Social and Educational Innovation.
Major Adviser: Prof. M. L. Dobbert.
1979. Horst Eric Momber. B.S.'63, University of Minnesota; M.A.'67, University of Washington.
Major: Education. Minor: German. Thesis: An Examination of Secondary School Student and Teacher Variables Related to Student Discontinuance in Second Language Study After the First Year.
Major Adviser: Prof. D. L. Lange.
1979. Robert Peter Moon. B.A.'54, M.Ed.'67, University of Sydney.
Major: Education. Minor: Philosophy. Thesis: Altruism in Moral Theory and Education.
Major Adviser: Prof. R. H. Beck.
1979. Frances E. Moore. B.S.'68, Chicago State University; M.Ed.'76, Northeastern Illinois University.
Major: Education. Minor: Supporting Program. Thesis: Assessing Secondary Students' Knowledge of Prefixes.
Major Advisers: Profs. M. F. Graves and A. L. Raygor.
1979. Offia Michael Okoro. B.S.'72, University of Nigeria; M.S.'73, Iowa State University.
Major: Education. Minor: Supporting Program. Thesis: The Development of a Comprehensive Program Evaluation Model for Evaluating Vocational Teacher Education Programs in Nigeria.
Major Adviser: Prof. D. C. Bjorkquist.
1979. Corlice Jeanne Blahnik Petersen. B.S. with distinction '68, Iowa State University.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Traditional and Reversed Sex-Typed Stories on the Kindergarten Child's Sex Role Perceptions.
Major Adviser: Prof. H. S. Hansen.
1979. Douglas Frederick Robertson. B.S.'68, Purdue University; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of Aptitude Treatment Interactions (ATI) with Respect to Programmed and Lecture Treatments in a College Course in Basic Mathematics.
Major Adviser: Prof. T. R. Post.

Education

1979. Mary Kay Simpson Rummel. B.A.'64, College of St. Catherine; M.A.'68, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Analogies Produced by Children Related to Grade Level, Linguistic Maturity, Reading Level and Creative Ability.
Major Advisers: Profs. Robert Dykstra and J. S. Youngers.

1979. Carl David Spangler. B.A.'58, Grove City College; M.A.'61, Pennsylvania State University.
Major: Education. Minor: Educational Psychology. Thesis: Convergence and Divergence of Students, Teachers, Parents, Counselors, and Administrators Toward Goals of Foreign Language Instruction in Secondary Schools.
Major Adviser: Prof. D. L. Lange.

1979. Nancy Kay Spannaus. B.S. with distinction '69, M.A.'72, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Associations Between Creativity, Age, Sex, and Intelligence in Adolescence and Constricted-Flexible Control.
Major Adviser: Prof. J. A. Mackey.

1979. Gary Milton Steinbach. B.S.'68, M.S.'74, University of Wisconsin, Platteville.
Major: Education. Minor: Supporting Program. Thesis: Job Reinforcers and Job Satisfaction Among Public Secondary Industrial Arts Teachers in Minnesota.
Major Adviser: Prof. D. C. Bjorkquist.

1979. Stanley Burt Straw. B.A.'73, M.A.'75, University of Missouri, Kansas City.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Effect of Sentence-Combining and Sentence Reduction Instruction on Measures of Syntactic Fluency, Listening Comprehension, and Reading Comprehension of Fourth Grade Students.
Major Adviser: Prof. R. L. Schreiner.

1979. Paul Morton Tanner. B.S. with honors '57, University of Utah; M.P.H.'59, University of California, Berkeley.
Major: Education. Minor: Public Health. Thesis: Attitudes Toward High School Sex Education of: Sex Educators, Other Teachers and the Adult Public in Three Oregon School Districts.
Major Adviser: Prof. E. M. Jaeger.

1979. Betty Jane Tutton. A.B.'47, Houghton College.
Major: Education. Minor: English. Thesis: Response to Short Stories as Related to Interest Among Community College Students.
Major Advisers: Profs. R. W. Beach and G. L. Piche.

1979. Lawrence Eugene Vance. B.S.'61, Bradley University; M.S.'67, Indiana University.
Major: Education. Minor: Educational Administration. Thesis: Age and Sex as Factors in Generality of Dynamic Balance Performance.
Major Adviser: Prof. J. M. Shick.

1979. Cathy Marie Roller Wilson. B.A.'69, Mount Union College; M.A.'74, University of Tulsa.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Close Textual Analysis on Sixth Grade Students' Ability to Produce a Gist or Summary Statement.
Major Adviser: Prof. R. L. Schreiner.

1980. Merrill Boice Asay. B.S.'43, University of Wyoming; M.E.'50, Colorado State College.
Major: Education. Minor: Supporting Program. Thesis: Diploma Level Agricultural Education Follow-Up Study, Institute of Agriculture and Animal Science, Rampur, Nepal.
Major Adviser: Prof. G. I. Swanson.

Education

1980. Judith V. A. Boettcher. B.A.'62, M.A.'64, Marquette University.
Major: Education. Minor: Supporting Program. Thesis: Fluent Readers' Strategies for Assigning Meaning to Unfamiliar Words in Context. Project: An Analysis of Superordinate and Subordinate Perceptions of Secondary Principal's Leader Behavior and Its Relationship to Principal's Collective Bargaining Units.
Major Adviser: Prof. M. F. Graves.

1980. Patrick James Carnes. B.A. egregia cum laude '66, St. John's University.
Major: Education. Minor: Supporting Program. Thesis: Educating Interactionally Impaired Adults: An Analysis of Curriculum Impact on Family Environment.
Major Adviser: Prof. H. Y. Williams.

1980. John Walter Christian. B.S.'68, Wisconsin State University; M.S.'69, Indiana University.
Major: Education. Minor: Supporting Program. Thesis: The Political History of Establishing a Regional Park System in the Twin Cities Metropolitan Area.
Major Adviser: Prof. J. H. Schultz.

1980. Philip V. Cognetta. B.A.'67, College of St. Thomas.
Major: Education. Minor: Supporting Program. Thesis: Cross-Age Teaching in Secondary Schools: A Program for Psychological Development.
Major Advisers: Profs. W. E. Gardner and N. A. Sprinthall.

1980. Daniel Emanuel Conrad. B.S. with distinction '62, M.A.'71, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Differential Impact of Experiential Learning Programs on Secondary School Students.
Major Advisers: Profs. W. E. Gardner and N. A. Sprinthall.

1980. Joanne Ardolf Decker. B.A.'67, College of St. Benedict; M.A.'71, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Recreation and Community Education Directors' Perceptions of Recreation Services for the Mentally Retarded in Minnesota Communities.
Major Advisers: Profs. J. H. Schultz and C. R. Weiss.

1980. Kenneth Allen Dragseth. B.A. magna cum laude '67, Gustavus Adolphus College.
Major: Education. Minor: Educational Administration. Thesis: A Delphic Perspective on Future Curricular and Instructional Alternatives in Minnesota Secondary Schools.
Major Adviser: Prof. R. D. Kimpston.

1980. Susanne Carol Fisher. B.S.'62, M.S.'63, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between the Roles of Farm Wives and Patterns of Educational Participation.
Major Advisers: Profs. K. R. Howey and H. G. Copeland.

1980. Robert F. Gibson. B.A.'56, M.A.'60, University of Minnesota. B.S.'58, Wisconsin State College.
Major: Education. Minor: History. Thesis: Attitudinal Determinants of Community Conflict in School Curriculum Decisions.
Major Adviser: Prof. J. A. Mackey.

1980. Christine Joanna Gordon. B.A.'60, B.E.'64, Diploma in Educational Administration '69, M.Ed.'70, University of Alberta.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Instruction in Metacomprehension and Inferencing on Children's Comprehension Abilities.
Major Adviser: Prof. P. D. Pearson.

Education

1980. Ruth Marie Hansen. B.S.'50, M.S.'52, University of Wisconsin.
Major: Education. Minor: Supporting Program. Thesis: An Investigation
to Determine if Early Economic Experiences Can Predict Third Grade
Children's Economic Knowledge.
Major Adviser: Prof. A. K. Ellis.

1980. Gerald William Healy. B.A.'50, Sioux Falls College; A.M.'55,
University of South Dakota.
Major: Education. Minor: Supporting Program. Thesis: Teaching of
Children's Literature as an Influence in the Development of Role-Taking
Abilities of a Group of Fifth Grade Children.
Major Adviser: Prof. G. L. Piche.

1980. Yiching Dolly Hwang. B.A.'68, National Taiwan University.
Major: Education. Minor: Supporting Program. Thesis: The Interface
Relationship Between Engineers' College Education and Their Work in
Industry, A Study of Five Areas of Discontinuity.
Major Adviser: Prof. A. M. Harkins.

1980. Keith Joseph Johansen. B.S. with distinction '67, University of
Minnesota; M.S.'71, Queens College; M.A.'76, New School for Social
Research.
Major: Education. Minor: Supporting Program. Thesis: Advisement
Information in Rule Learning Using Learner Controlled, Computer-Assisted
Instruction.
Major Adviser: Prof. R. D. Tennyson.

1980. James Joseph L'Allier. B.S. magna cum laude '69, M.S.'73, Wisconsin
State University, River Falls.
Major: Education. Minor: Supporting Program. Thesis: An Evaluative
Study of a Computer-Based Lesson That Adjusts Reading Level by Monitoring
on Task Reader Characteristics.
Major Adviser: Prof. R. D. Tennyson.

1980. Michael Lewis Michlin. B.S.'69, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effects of
Social Perceptual and Causal Attributional Variables on Teachers'
Perceptions and Ratings of Students' Written Composition.
Major Adviser: Prof. G. L. Piche.

1980. Patricia Ann Ness. B.S.N.'66, Marquette University. M.S.'72,
University of Minnesota.
Major: Education. Minor: Nursing. Thesis: Effects of Two Methods of
Teaching Communication and Interview Process Skills to Inservice Teachers.
Major Advisers: Profs. G. M. A. Mork and N. A. Sprinthall.

1980. Yvonne R. Ditsworth Nyman. B.S.'70, M.S.'72, Mankato State College.
Major: Education. Minor: Supporting Program. Thesis: The Career
Development and Job Satisfaction of Administrative Assistants with and
Without a Four-Year Degree in the Administrative Assistant Field.
Major Adviser: Prof. J. J. Lambrecht.

1980. David George Ordos. B.A.'65, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Models of
Motivation for Participation in Adult Education.
Major Advisers: Profs. P. E. Johnson and H. G. Copeland.

1980. Carroll Eugene Peter. B.S.'51, M.A.'58, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Environmental
Change in Three Four-Year Denominational Colleges, 1971 and 1979.
Major Advisers: Profs. R. J. Keller and T. E. Kellogg.

1980. Grace Irene Ramseyer. B.S.'54, Marquette University; B.S.'64,
M.A.'66, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Perceived Roles
of Paraprofessionals in Special Education Settings.
Major Adviser: Prof. R. J. Keller.

Education

1980. Margaret Marie Rauch. B.S.'61, M.S.'67, St. Cloud State College.
Major: Education. Minor: Supporting Program. Thesis: The Relationships
Between Selected Discourse Analysis Tasks, Previewing Strategies and
Subsequent Fifth and Sixth Grade Students' Performance on Measures of
Reading Comprehension.

Major Adviser: Prof. R. L. Schreiner.

1980. Steven F. Reuter. B.A.'70, Westmar College; M.Ed.'72, University of
Nebraska.

Major: Education. Minor: Supporting Program. Thesis: The Relationship
of Set Matriculation Variable Scores and Type of Licensure of Graduates in
a Selected Elementary Teacher Education Program to the Decline in
Elementary Teaching Positions and First-Year Job Placement.

Major Adviser: Prof. H. D. Hansen.

1980. Louis Edward Riesenberger. B.S.'71, Iowa State University. M.A. '76,
University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: An Investigation
of the Agricultural Education Background for Accident Involved and
Non-Involved Farm Tractor and Machinery Operators in Minnesota.

Major Advisers: Profs. W. F. Bear and G. W. Leske.

1980. Theresa Marie Rothweiler. B.S.'51, Loretto Heights College;
M.S.'72, University of Minnesota.

Major: Education. Minor: Nursing. Thesis: Formulation and Validation
of the Foundational Organization Nursing Test (FONT).

Major Adviser: Prof. H. Y. Williams.

1980. Mohamed Nagi Salem. B.Sc.'63, Alexandria University; M.S.'71,
University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Toward an
Understanding of the Stability of Job Selection by Vocational Education
Graduates.

Major Adviser: Prof. G. H. Copa.

1980. Mark Christ Schug. B.S.'70, M.A.'73, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: The Development
of Economic Reasoning in Children and Adolescents.

Major Adviser: Prof. J. A. Mackey.

1980. Arthur J. Schulz. B.S.Ed.'59, Dr. Martin Luther College; B.S.'61,
M.S.'67, Mankato State College.

Major: Education. Minor: Supporting Program. Thesis: Implementing
Mainstreaming in Wisconsin Synod Elementary Schools.

Major Advisers: Profs. R. J. Keller and M. C. Reynolds.

1980. Harriet Dorothea Mugler Semke. B.A.'56, Westmar College; M.A.'67,
University of Colorado.

Major: Education. Minor: German. Thesis: The Comparative Effects of
Four Methods of Treating Free-Writing Assignments on the Second Language
Skills and Attitudes of Students in College Level First Year German.

Major Adviser: Prof. H. H. Jorstad.

1980. Steven Alan Sherlock. B.A.'72, Purdue University; M.A.'74,
University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Iroquois City
Teacher Center: A Case Study.

Major Adviser: Prof. M. L. Dobbett.

1980. Prapavadee Suebsonthi. B.A.'70, M.A.'78, Chulalongkorn University;
M.A.'79, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Acquisition of a
Mathematical Concept by Children Using Prototype and Skill Development
Instructional Presentation Forms.

Major Advisers: Profs. R. D. Tennyson and J. S. Youngers.

Education

1980. Darlene Weingand. B.A. with highest honors '72, Elmhurst College; M.A.'73, Rosary College.
Major: Education. Minor: Library Science. Thesis: A Delphic Perspective on Lifelong Learning in Minnesota--Focus on the Public Library as Provider.
Major Advisers: Profs. H. Y. Williams and A. M. Harkins.
1980. Katherine Goddard Reed Wellington. A.B.'71, Wheaton College; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Study of the Encoding vs. Memory Storage Function in College Notetaking.
Major Adviser: Prof. A. L. Raygor.
1980. James Maxwell Young. B.A. magna cum laude '73, M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: How Bright the Vision: Social and Educational Structures in Modern Utopian Literature.
Major Adviser: Prof. A. M. Harkins.
1981. Barry Ralph Bauer. B.A.'71, St. Cloud State College; M.Ed.'72, M.A.'77, University of Minnesota.
Major: Education. Minor: Recreation, Park, and Leisure Studies. Thesis: A Comparison of the Performance of Adult Students in Competency-Based and Traditional Academic Curricula.
Major Advisers: Profs. H. G. Copeland and Rosemarie Park.
1981. Lorna Borman. B.A.'40, University of Omaha; M.A.'58, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Comparative Study of Multi-Media and Multi-Image.
Major Advisers: Profs. R. D. Tennyson and N. P. Pearson.
1981. Barbara Ann Karin Bundt. B.S. with distinction '58, University of Minnesota.
Major: Education. Minor: Business Administration. Thesis: Leisure and Religion: A Contemporary Jewish Sabbath Paradigm.
Major Adviser: Prof. F. M. Chapman.
1981. Lowell Mark Caneday. B.A. with honor '70, LeTourneau College; M.A.'71, University of Wyoming.
Major: Education. Minor: Supporting Program. Thesis: A Comparative Analysis of Baccalaureate Degree Requirements for Recreation Professionals and the Competencies and Knowledge Required by Municipal Recreation Delivery Systems.
Major Adviser: Prof. B. D. Anderson.
1981. Helen Carlson. B.S. summa cum laude '61; M.A.'75, University of Minnesota, Duluth.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Enriched and Non-Enriched Environments on the Social Actions of Handicapped and Non-Handicapped Three-Year-Old Children in a Mainstreamed Setting.
Major Adviser: Prof. H. D. Hansen.
1981. Grant Louis Cioffi. A.B.'73, Stanford University.
Major: Education. Minor: Supporting Program. Thesis: The Perception and Use of Sentence Structure by Good Comprehenders and Skilled Decoders in Contextually Limited Environment.
Major Adviser: Prof. J. C. Manning.
1981. Donna Mae Coomer. B.S.'64, M.S.'73, University of Wisconsin, Stout.
Major: Education. Minor: Supporting Program. Thesis: A Critical Study of Educational Evaluation Theory and Practice.
Major Adviser: Prof. G. H. Copa.

Education

1981. Gary Douglas Forsberg. B.S.'73, M.S.'76, University of Wisconsin, Stout.

Major: Education. Minor: Supporting Program. Thesis: Relationships Between Types and Amounts of Secondary Vocational Coursework and Selected Student Characteristics.

Major Adviser: Prof. Jerome Moss, Jr.

1981. Marlene Herbert Goldsmith. B.A.'73, M.Ed.'78, University of New England.

Major: Education. Minor: Supporting Program. Thesis: Video Values Education: Star Trek as Modern Myth.

Major Advisers: Profs. R. H. Beck and M. L. Dobbett.

1981. Sharon E. Hoffman. B.S.'66, California State College, Los Angeles; M.S.'72, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Comparisons of Selected Personality and Demographic Characteristics of Registered Nurse Students and Non-Student Registered Nurses.

Major Adviser: Prof. J. E. Stecklein.

1981. Judy Annette Weiss Jax. B.S.'63, M.S.'66, Stout State College.

Major: Education. Minor: Supporting Program. Thesis: A Comparative Analysis of the Meaning of Home Economics: 1899-1908 Lake Placid Conferences and Home Economics: A Definition.

Major Adviser: Prof. B. B. Smith.

1981. Steven M. Jongewaard. B.A.'69, University of Minnesota, Duluth; M.S.'71, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Learning the Concept of Interdependence Using Selected Curricular Materials and/or Cooperative Goal Structures.

Major Adviser: Prof. A. K. Ellis.

1981. Howard D. Lee. B.S.'68, M.S.'79, University of Wisconsin, Stout.

Major: Education. Minor: Supporting Program. Thesis: The Effects of Pre-Reading and During Reading Instructional Strategies on the Reading Comprehension of High School Automotive Mechanics Students.

Major Adviser: Prof. D. C. Bjorkquist.

1981. Jennifer Sue Oatey. B.S. with secondary honors '71, M.A.T.'73, New Mexico State University.

Major: Education. Minor: Supporting Program. Thesis: A Comparative Study of Recreational Sports Programs in Selected Minnesota Community Colleges.

Major Adviser: Prof. B. D. Anderson.

1981. Glen F. Palm. B.S.'71, Loyola University; M.A.'76, University of Connecticut.

Major: Education. Minor: Supporting Program. Thesis: A Preliminary Study of Family Images of Their Futures with Information Appliances.

Major Adviser: Prof. A. M. Harkins.

1981. Seong-Ik Park. B.A.'70, M.A.'75, Seoul National University.

Major: Education. Minor: Supporting Program. Thesis: Response Opportunity Time as an Instructional Design Variable in Concept Learning Using Computer-Based Instruction.

Major Adviser: Prof. R. D. Tennyson.

1981. Joan Ellen Pennau. A.B.'69, Ripon College; M.A.'73, Concordia Teachers College.

Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Early Entrance and Subsequent Educational Progress in the Elementary School.

Major Adviser: Prof. H. D. Hansen.

Education

1981. Geraldine Estelle Perreault. B.A.'70, University of Minnesota; M.S.'75, Mankato State University.

Major: Education. Minor: Supporting Program. Thesis: Contemporary Feminist Perspectives on Higher Education: A Comparative Analysis.
Major Adviser: Prof. H. Y. Williams.

1981. Sheldon Ramnarine. B.A.'71, M.S.'72, Bemidji State College.

Major: Education. Minor: Supporting Program. Thesis: Content Structure and Management Control Strategies as Design Variables in Computer Assisted Instruction.
Major Adviser: Prof. R. D. Tennyson.

1981. David Owen Renz. B.S.'76, M.A.'78, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Boundary Spanning in Institutions of Private Higher Education: An Assessment of the Interactions Between Private Colleges and Their Environments.
Major Adviser: Prof. T. E. Kellogg.

1981. Virginia Marie Riser. B.A.'62, State University of Iowa; M.S.'71, Rosary College.

Major: Education. Minor: Supporting Program. Thesis: Secondary School Teacher Perceptions of an Effective Optimal Class-Size for a Given Teaching Strategy.
Major Adviser: Prof. R. D. Tennyson.

1981. Duane Harley Roen. B.S.'71, M.S.'74, Wisconsin State University.

Major: Education. Minor: Linguistics. Thesis: The Effects of Selected Text-Forming Structures on College Freshmen's Comprehension of Expository Prose.
Major Adviser: Prof. G. L. Piche.

1981. Mohamed Ali Selim. B.Com.'49, Fouad I. University, Cairo; M.A.'54, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Effectiveness of Audio-Visual-Tutorial and Conventional Approaches to Learning in Introductory Economics Courses.
Major Adviser: Prof. C. R. Hopkins.

1981. Larry Robert Selin. B.A.'68, M.A.'74, University of Minnesota, Duluth.

Major: Education. Minor: Supporting Program. Thesis: The Association Between Faculty Discipline Orientation and the Evaluation of Faculty Performance in Three Comprehensive Universities.
Major Adviser: Prof. T. E. Kellogg.

1981. Patrick Willard Shannon. B.A. summa cum laude '73; M.S.'75, State University of New York, College at Brockport.

Major: Education. Minor: Supporting Program. Thesis: Teachers' Self-Perception and Reification of Instruction Within Reading Instruction.
Major Adviser: Prof. R. L. Schreiner.

1981. Mary Ann Smith. B.S.'57, M.S.'67, Purdue University.

Major: Education. Minor: Supporting Program. Thesis: Leadership and Learning Styles of Cooperating Teachers and Student Teachers as Related to Communication During Student Teaching.
Major Adviser: Prof. Marilyn Rossmann.

1981. Mary H. Spiegelberg. B.A. cum laude '66, M.A.'69, Wisconsin State College, Eau Claire.

Major: Education. Minor: French. Thesis: An Examination of the Relationship of Student Perceptions of the Value of Knowing a Second Language and Achievement in French and Spanish in Secondary Schools.
Major Adviser: Prof. D. L. Lange.

Education

1981. Elizabeth Therese Stefanics. B.S.'72, Eastern Kentucky University; M.S.'75, University of Wisconsin.

Major: Education. Minor: Supporting Program. Thesis: Management Related Success Factors in the Socialization Processes of Women in the Field of Leisure Services.

Major Adviser: Prof. J. H. Schultz.

1981. Shirley Ann Wilson Stoneberg. B.S. cum laude '64, Hamline University; M.A.'72, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: The Effects of Pre-Visit, On-Site, and Post-Visit Zoo Activities upon the Cognitive Achievement and Attitudes of Sixth Grade Pupils.

Major Adviser: Prof. E. D. Gennaro.

1981. Ellen Louis Smith Sylvester. B.A. cum laude '70, Carleton College; M.Ed.'71, Goucher College; M.A.'76, University of Minnesota.

Major: Education. Minor: Educational Psychology. Thesis: The Role of Prior Knowledge and Concept-Building on Children's Comprehension of Explicit and Implicit Relations.

Major Adviser: Prof. P. D. Pearson.

1981. Afaf Ahmad Abd-Allah Toaima. B.A.S.'69, Higher Institute of Home Economics.

Major: Education. Minor: Supporting Program. Thesis: A Critique of Home Economics Education Program Materials in the Arab Republic of Egypt.

Major Adviser: Prof. Ruth Thomas.

1981. Elizabeth Ann Wickman True. B.A. cum laude '54, University of Washington; M.A.'68, University of Minnesota.

Major: Education. Minor: Library Science. Thesis: Responses of Children to Two Sports Stories, One Recommended by Adults and One Non-recommended by Adults.

Major Adviser: Prof. R. N. Odland.

1981. Barbara Elizabeth Uffman. B.S.'62, Concordia Teachers College.

Major: Education. Minor: Supporting Program. Thesis: Responses of Young Children and Adults to Books with a Lesson.

Major Adviser: Prof. R. N. Odland.

1981. John Edwin Welckle. B.A.'57, Augsburg College; M.A.'67, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: Social Studies: Between Social Science and Cultural Pluralism.

Major Adviser: Prof. R. H. Beck.

1982. Gayle Louise Anderson. B.A.'68, St. Olaf College; M.Ed.'75, University of Minnesota.

Major: Education. Minor: Educational Administration. Thesis: The Influence of Pressure Groups on Curriculum Decision Making in Public Schools.

Major Adviser: Prof. R. D. Kimpston.

1982. Sandra Jean Berkowitz. B.A. cum laude '76, Ohio State University.

Major: Education. Minor: Supporting Program. Thesis: The Effects of Instruction in Text Organization on Middle Grade Student's Memory for Expository Reading.

Major Advisers: Profs. Robert Dykstra and B. M. Taylor.

1982. Leon Blake. B.A.'65, Brigham Young University; M.A.'67, University of Oregon.

Major: Education. Minor: Educational Psychology. Thesis: A Measure of Developmental Change.

Major Adviser: Prof. C. A. Parker.

1982. Richard Andrew Borstad. B.S.'63, M.A.'69, University of Minnesota.

Major: Education. Minor: Public Health. Thesis: The Effects of Cooperative Learning Experiences on Attitudes Toward Older People.

Major Advisers: Profs. R. T. Johnson and E. M. Jaeger.

Education

1982. Janet V. Burcalow. B.S.'69, Winona State University.
Major: Education. Minor: Supporting Program. Thesis: A Description of Teacher Educator's Approaches to Multicultural Teacher Education.
Major Adviser: Prof. K. R. Howey.

1982. Richard De Mott Byrne. B.S. with distinction '71, M.Ed.'56, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: On Observing the Degree of Acceptance and Changes of Acceptance of Selected Representative Examples of Twentieth Century Music by General Education Students.
Major Adviser: Prof. A. F. Caswell.

1982. Roger Allan Damerow. B.S.'63, University of Minnesota; M.A.'68, Mankato State University.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Effectiveness of Teacher Lecture, Print Media, and 16mm Film in Conveying Social Studies Content with Analysis of Redundancy Effects.
Major Adviser: Prof. J. A. Mackey.

1982. Karol Kay DeRoos. B.A.'63, Concordia College; M.P.H.'67, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Persistence of Adults in Independent Study.
Major Adviser: Prof. H. G. Copeland.

1982. Mohamed El-Shall. B.A.'60, Ein Shams University; M.Ed.'75, University of Pittsburgh.
Major: Education. Minor: Supporting Program. Thesis: A Study of the Future Cultural Foundations of the Egyptian Education by the Year 2000--An Exploratory Study Using the Ethnographic Delphi Technique.
Major Adviser: Prof. A. M. Harkins.

1982. Douglas Quentin Frisk. B.A.'68, Augsburg College; M.A.'70, University of Minnesota.
Major: Education. Minor: Public Health. Thesis: Health Beliefs and Health Practices of Children and Youth.
Major Adviser: Prof. E. M. Jaeger.

1982. Tasneema Khan Ghazi. M.A.'60, Aligarh Muslim University; M.Ed.'62, University of Allahabad.
Major: Education. Minor: Supporting Program. Thesis: Spelling Ability of Third Grade and Fifth Grade Pupils Enrolled in Intensive Phonics and Eclectic Instructional Programs.
Major Adviser: Prof. Robert Dykstra.

1982. Lawrence Frank Helt. B.S.'55, North Dakota State University.
Major: Education. Minor: Supporting Program. Thesis: The Level of Competence Needed by Beginning Certified Vocational Agriculture Teachers to Serve Special Needs Students.
Major Advisers: Profs. R. L. Peterson and R. P. Marvin.

1982. Donald Joseph Hoodecheck. B.Phil.'58, University of Notre Dame; B.S.'60, M.S.'65, Mankato State University.
Major: Education. Minor: Speech-Communication. Thesis: Occupational Stress of School Teachers in Four Rural Minnesota School Districts.
Major Advisers: Profs. C. R. Bruning and K. R. Howey.

1982. Rosalind Horowitz. B.S.'68, M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Limitations of Contrasted Rhetorical Predicates on the Recall and Processing of Expository English Prose.
Major Advisers: Profs. G. L. Piche and S. J. Samuels.

1982. Sung Kyu Kim. B.A.'52, Donggook University; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Asian Themes and Events in Textbooks on United States History.
Major Adviser: Prof. R. D. Kimpston.

Education

1982. Anne Levig. B.A. with honor '64, M.A.'65, University of Wyoming.
Major: Education. Minor: Supporting Program. Thesis: Motivation and Satisfaction of Minnesota Community College Students and Instructors Toward Credit and Non-Credit Foreign Language Courses.
Major Adviser: Prof. D. L. Lange.

1982. Betty Lou Lia-Hoagberg. B.S.'61, M.A.'66, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Professional Activities and Personality Characteristics of Nursing Faculty Compared with Those of Other Academic Women.
Major Advisers: Profs. P. S. Faunce and H. Y. Williams.

1982. Barry Lyman Lundquist. B.S. cum laude '71, M.A.'71, Bemidji State University; Spec.Cert.'77, University of Minnesota.
Major: Education. Minor: Public Health. Thesis: Forces and Their Perceived Strengths Affecting Curricular Decisions in Professional Education: Nursing.
Major Adviser: Prof. R. D. Kimpston.

1982. Catherine Anne Marienau. B.A.'71, M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Bridging Theory and Practice in Adult Development and Planned Change: Case Studies in Higher Education.
Major Adviser: Prof. H. G. Copeland.

1982. Patrick Gerald Mathews. E.Ed.'68, M.Ed.'71, University of Manitoba.
Major: Education. Minor: French. Thesis: Systematic Observation and Evaluation of Verbal Behaviors in University French Second Language Classrooms.
Major Advisers: Profs. H. L. Jorstad and D. L. Lange.

1982. Joanne M. Moeller. B.S.'64, Viterbo College; M.S.'68, Stout State University.
Major: Education. Minor: Supporting Program. Thesis: Teachers' Implicit Theories on Moral Education: An Interview Study.
Major Adviser: Prof. R. G. Thomas.

1982. Joseph Paul Opatz. B.A.'75, St. Cloud State University; M.Ed.'76, Kent State University.
Major: Education. Minor: Supporting Program. Thesis: An Empirical Analysis of the College Union Director Job in Comprehensive and Doctoral Granting Institutions.
Major Adviser: Prof. T. E. Kellogg.

1982. Courtney Dale Peterson. B.S.'66, M.A.'70, University of Minnesota.
Major: Education. Minor: Psychology. Thesis: An Inquiry into the Possible Impacts and Policy Implications of Electronic Technology Development on the Minnesota Community College System.
Major Adviser: Prof. A. M. Harkins.

1982. Robert Wayne Reinke. B.S. with distinction '68, M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Application of an Educational Production Function Model in Determining the Differential Effects of Alternative Teaching Procedures in Junior High Social Studies.
Major Adviser: Prof. D. R. Lewis, Jr.

1982. Lisa Marie Rini. B.A.'73, Baldwin-Wallace College; M.Ed.'74, Miami University.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Selected Affective Variables and Motor Proficiency in Elementary School Children.
Major Adviser: Prof. J. J. Plack.

Education

1982. Janet K. Rosenberg. B.A. cum laude '75, Miami University; M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Development and Evaluation of a Model for Planning a Training Curriculum System.
Major Adviser: Prof. R. D. Kimpston.
1982. Linda Urrutia Scott. B.A.'73, Wichita State University; M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Mixed-Sex and Single-Sex Cooperative Grouping and Individualization on Science Achievement and Attitudes of Early Adolescent Females.
Major Adviser: Prof. R. T. Johnson, Jr.
1982. Abraham H. Shammash. B.S.'67, M.S.'77, Hebrew University of Jerusalem.
Major: Education. Minor: Supporting Program. Thesis: Comprehension: Image-Based Perception and Conception.
Major Adviser: Prof. J. E. Stochl.
1982. Wayne Harvard Slater. B.S. cum laude '67, University of Minnesota, Duluth; M.A.'72, University of Minnesota.
Major: Education. Minor: English. Thesis: The Effects of Structural Organizers and Rhetorical Predicates on the Recall of Expository Text.
Major Advisers: Profs. G. R. Piche and M. F. Graves.
1982. Carol Elizabeth Smith. B.S.'72, University of Iowa; M.S.'76, Wayne State University.
Major: Education. Minor: Nursing. Thesis: Comparison of Motives and Challenge Responses of Nurses Experiencing Different Levels of Structure in the Work Setting.
Major Advisers: Profs. H. Y. Williams and C. R. Bruning.
1982. Bud Stephenson. B.S.'62, M.S.'73, Utah State University.
Major: Education. Minor: Psychology. Thesis: Intellectual and Ethical Development: A Dualistic Curriculum Intervention for College Students.
Major Adviser: Prof. C. A. Parker.
1982. Harriett Singleton Stubbs. B.A.'52, Westhampton College; B.A.'65, Macalester College; M.S.T.'73, University of Wisconsin, River Falls.
Major: Education. Minor: Supporting Program. Thesis: Factors Influencing the Receptivity of Educators to Curriculum Change.
Major Adviser: Prof. E. D. Gennaro.
1982. Joyce Agnes Wilkinson. B.Ed. with highest standing '74, Brandon University; M.A.'77, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Investigation of the Relationship of Involvement in Developmental Drama to Styles of Learning and Thinking and Expressive Self-Presentation.
Major Adviser: Prof. R. W. Beach.
1982. Yu Kwong Yuen. B.Ed.'72, National Taiwan Normal University; M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Assessment of the Physical Education and Recreational Sports Delivery Systems in Hong Kong.
Major Adviser: Prof. B. D. Anderson.
1983. Sharon Price Aadalen. B.A. magna cum laude '62, Radcliffe College; B.S.N.'67, Western Reserve University; M.S.'79, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Examination of Parent Coping in Survivors of Sudden Infant Death Syndrome: Implications for the Education of Health and Human Services Professionals.
Major Adviser: Prof. K. R. Howey.

Education

1983. Virginia Patricia Allery. B.S.'65, Viterbo College; M.S.'73, Eastern Montana College.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Instructional Strategies in Teaching Synonyms, Antonyms, Classification, Paraphrasing and Finding the Main Idea to Fourth and Fifth Grade Students.
Major Adviser: Prof. R. L. Schreiner.
1983. Rick Alan Caulfield. B.Ed. with honors '77, M.Ed.'79, University of Hawaii.
Major: Education. Minor: Supporting Program. Thesis: The Exploratory Behavior of Mildly and Severely Handicapped Infants: The Developmental Progression from Birth to Two Years.
Major Adviser: Prof. H. S. Hansen.
1983. Kathleen Lonze Daly. B.A.'70, Quincy College; M.A.T.El.Ed.'77, University of Wisconsin.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Training College Students in Listening and Notetaking Skills on Learning from Lecture.
Major Adviser: Prof. Robert Dykstra.
1983. Judith Marshall Finkelstein. B.S.'54, University of Illinois, Urbana; M.A.'68, University of Northern Iowa.
Major: Education. Minor: Supporting Program. Thesis: A Comparison of Full Day Alternate Day and Half Day Every Day Kindergarten in Iowa Focusing on Instructional Time, Congruence Between Goals and Outcomes and Principal, Teacher and Pupil Attitudes.
Major Adviser: Prof. H. S. Hansen.
1983. Patricia K. Finley. B.S. with high honor '63, South Dakota State University; M.A.'64, Middlebury College.
Major: Education. Minor: Spanish. Thesis: Student and Teacher Concepts of Appropriate Teacher Feedback in Classes of Spanish.
Major Adviser: Prof. D. L. Lange.
1983. Barbara Ann Hamann. B.A.'68, Graceland College; M.A.'69, Northeast Missouri State University.
Major: Education. Minor: Public Health. Thesis: The Effects of a Course in Basic Concepts in Physical Education on Selected Health Attitudes and Behavior of College Freshman.
Major Adviser: Prof. E. M. Jaeger.
1983. Gail Frances Hughes. B.S. with distinction '68, M.A.'76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relationship of Learning to Congruence Between Students' Ideal and Perceived Learning Environments.
Major Adviser: Prof. R. D. Kimpston.
1983. David A. Johnson. B.S. summa cum laude '73, University of West Florida; M.A.'81, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Current Status of Christian School Industrial Arts Education Programs.
Major Adviser: Prof. D. C. Bjorkquist.
1983. Karen Ruth Karni. B.S. with distinction '63, University of Minnesota; Ed.M.'69, State University of New York at Buffalo.
Major: Education. Minor: Supporting Program. Thesis: A Validation Study of a Written Certification for Clinical Laboratory Scientists.
Major Adviser: Prof. D. C. Bjorkquist.
1983. Judith Ann Kennison. B.S.'73, M.S.'77, Illinois State University.
Major: Education. Minor: Supporting Program. Thesis: Sex-Role Stereotypes and Evaluations of Administrative Performance by Municipal Recreation and Park Administrators.
Major Adviser: Prof. J. H. Schultz.

Education

1983. Mark Edward Lammers. B.S. with honors '53, M.S.'58, Mankato State College.

Major: Education. Minor: Supporting Program. Thesis: An Electromyographic Examination of Selected Muscles in the Right Arm During Trombone Performance.

Major Adviser: Prof. E. M. Turrentine.

1983. Ching Chan Lee. B.A.'71, M.A.'73, Yonsei University.

Major: Education. Minor: Supporting Program. Thesis: A Study of the Effects of Student Conceptual Level and Presentation Forms on Concept Attainment.

Major Advisers: Profs. C. A. Carrier and R. D. Kimpston.

1983. Amos Ndubuisi Okafor. B.S.'77, University of Wisconsin, Whitewater; M.S.'79, University of Tennessee, Knoxville.

Major: Education. Minor: Supporting Program. Thesis: An Investigation of Job Satisfaction of Unionized and Nonunionized Office Workers.

Major Adviser: Prof. C. R. Hopkins.

1983. Karen Louise Ostlund. B.S. with high distinction '70, M.A.'73, University of Minnesota.

Major: Education. Minor: Supporting Program. Thesis: A Naturalistic Study of Family Learning Courses in Science.

Major Advisers: Profs. E. D. Gennaro and A. H. Humphreys.

1983. Mary Anne Pitman. B.A.'64, Mount Mary College.

Major: Education. Minor: Supporting Program. Thesis: Adult Development and Adult Education: An Ethnographic Account of Women in Transition.

Major Advisers: Profs. Ayers Bagley and M. L. Dobbett

1983. Rebecca Tisdell Rapport. B.A. with distinction '72, University of Michigan; M.A.'76, Ohio State University.

Major: Education. Minor: Supporting Program. Thesis: Reader Initiated Responses to Self-Selected Literature Compared with Teacher Initiated Responses to Teacher-Selected Literature.

Major Adviser: Prof. R. N. Odland.

1983. David Paul Reinking. B.A.'71, Concordia Teachers College; M.S.'79, Winona State University.

Major: Education. Minor: Supporting Program. Thesis: The Effects of Computer-Mediated Text and Reader Study Behavior on Measures of Reading Comprehension.

Major Advisers: Profs. R. L. Schreiner and C. A. Carrier.

1983. Sharon Marie Scapple. B.A.'69, University of Wisconsin, Eau Claire; M.S.'74, Winona State University.

Major: Education. Minor: Supporting Program. Thesis: The Child as Depicted in English Children's Literature from 1780-1820.

Major Adviser: Prof. N. R. Odland.

1983. Michelle Geslin Small. Licence '67, Universite de Nice; M.A.'70, State University of New York at Albany.

Major: Education. Minor: Supporting Program. Thesis: Education for a Systems Age.

Major Adviser: Prof. A. M. Harkins.

1983. James Leonard Spickelmier. B.A. with highest honors '63, Bethel College; M.Div.'68, Bethel Seminary; M.Theol.'71, Princeton Seminary.

Major: Education. Minor: Supporting Program. Thesis: Case Studies of College Experience in Relationship to Moral Judgement Development.

Major Advisers: Profs. M. E. Corcoran and J. R. Rest.

1983. Edward Franklin Stevens. B.A.Ed. with distinction '63, Nebraska Wesleyan University; M.A.'67, University of Nebraska.

Major: Education. Minor: Supporting Program. Thesis: Market Segmentation as a Technique for Improved Student Recruitment at Church-Related Colleges.

Major Adviser: Prof. T. E. Kellogg.

Education

1983. Barbara Andresen Swanson. B.A.Ed. with honors '63, M.A.'65, University of Northern Iowa.
Major: Education. Minor: English. Thesis: Increasing Learning and Retention of Lecture Content Through a Self-Questioning Review Process.
Major Adviser: Prof. A. L. Raygor.
1983. Sylvia Mergeler Vardell. B.S. with highest honors '76, University of Texas.
Major: Education. Minor: Supporting Program. Thesis: The Development in Use and Understanding of Literary Conventions in Children's Reading and Writing of Stories.
Major Adviser: Prof. R. W. Beach.
1983. Susan Kathleen Vaughan. B.A.'68, Dakota Wesleyan University; M.A.'69, Texas Woman's University; M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Schooling Variables on Music Achievement of Fourth Grade Minnesota Music Students.
Major Adviser: Prof. A. F. Caswell.
1983. Janine Ann Watts. B.S.'62, M.S.'66, University of Wisconsin, Stout.
Major: Education. Minor: Supporting Program. Thesis: Stress and Satisfaction in Adult Child-Parent Relationships as Reported by Daughters and Mothers.
Major Adviser: Prof. R. G. Thomas.
1984. Mahmoud Azar. B.S.'73, Pahlavi University; M.A.'80, M.S.'83, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Development and Evaluation of a Certification Test for Farm Equipment Mechanics in the Area of Electrical Systems.
Major Advisers: Profs. R. L. Peterson and W. F. Bear.
1984. Elizabeth Buchter Bernhardt. B.A.'76, College of Wooster; M.A.'78, University of Pittsburgh.
Major: Education. Minor: German. Thesis: Text Processing Strategies of Native, Non-Native Experienced, and Non-Native Inexperienced Readers of German: Findings and Implications for the Instruction of German as a Foreign Language.
Major Adviser: Prof. D. L. Lange.
1984. Catherine Lynn Bertelson. B.S. with high distinction '79, M.S.'80, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Assessment of Decision Making Styles/Processes of Consumer Education Students.
Major Advisers: Profs. C. R. Hopkins and J. J. Lambrecht.
1984. Carol Marie Boyer. B.A. summa cum laude '78, M.A.'80, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Faculty Consulting: Salient Issues, Correlates, and Policy Implications.
Major Advisers: Profs. S. M. Clark and D. R. Lewis.
1984. Brenda Leigh Cain. B.S.Ed.'64, Pittsburg State College; M.Ed.'73, Ed.Spec.'79, Wichita State University.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Selected School Context and Support Variables and the Perceived Success and Satisfaction of Beginning Elementary Teachers.
Major Advisers: Profs. K. R. Howey and Robert Dykstra.
1984. Byung-soon Choi. B.S.'74, Seoul National University; M.A.'82, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effectiveness of a Simulated Experiment Using the Attributes of the Microcomputer on Student Understanding of the Volume Displacement Concept in the Junior High School.
Major Adviser: Prof. E. D. Gennaro.

Education

1984. Patricia Anne Copa. B.S.'66, M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The New Teacher as Theorist: Using Teacher-Made Theory to Understand The Thoughts and Actions of Beginning Teachers.
Major Advisers: Profs. G. I. Swanson and M. L. Dobbert.
1984. Francis Nieman Crisman. B.S.'67, Minot State College; M.A.'72, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Comparison of Oral and Written Techniques of Concept Instruction to Students of Different Learning Styles.
Major Advisers: Profs. J. A. Mackey and Andrew Ahlgren.
1984. Darlene Caroline Hlidek. B.S.'75, Wisconsin State University.
Major: Education. Minor: Supporting Program. Thesis: Health Attitudes, Locus of Control, and Self-Control of Adolescents at High Risk for Delinquency.
Major Adviser: Prof. G. A. Stull.
1984. Clarence Henry Horn. B.S.'65, M.S.'70, Emporia State University; Sp.Ed.'77, Wichita State University.
Major: Education. Minor: Supporting Program. Thesis: Relationships Among Measures of Cognitive Processes in Preservice Teachers, Their Preferred Conditions for Learning and Their Orientation Toward Teaching.
Major Adviser: Prof. K. R. Howey.
1984. Panhee Kim. B.A.'74, Keimyung University; M.Ed.'79, Whitworth College.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Level of Curiosity and Age of a Peer on the Exploratory Behavior of Young Children.
Major Advisers: Profs. H. S. Hansen and S. G. Moore.
1984. Verla Kroeker Klassen. B.A.'66, Bethel College; M.A.'73, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Comparative Study of the Effects of Three Methods of Oral Reading on Primary Grade Pupil Reading Fluency.
Major Adviser: Prof. J. C. Manning.
1984. Ruthanne Kurth-Schai. B.S. with high distinction '76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Reflections From the Hearts and Minds of Children: A Delphi Study of Children's Personal, Global, and Spiritual Images of the Future.
Major Adviser: Prof. A. M. Harkins.
1984. Nak Won Kwon. B.Educ.'71, Kongju National Teachers College; M.Educ.'73, Seoul National University.
Major: Education. Minor: Supporting Program. Thesis: The Relationship Between Teacher's Conceptual Level and Context Specific Teaching Behavior.
Major Adviser: Prof. K. R. Howey.
1984. Chinenye Mazi-Iheme. B.A.'74, Hamline University; M.A.'74, Ohio University.
Major: Education. Minor: Supporting Program. Thesis: The Impact of International Cooperation in Education on ECOWAS Nations' Foreign Educational Policy.
Major Adviser: Prof. A. D. Glenn.
1984. Barbara Jean Meland. B.A. cum laude '68, B.S.'69, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Effects of Visual Discrimination Training on Recognition of Training and Non-Training Words.
Major Adviser: Prof. J. C. Manning.

Education

1984. Joland Ethel Mohr. B.A. cum laude '63, Abilene Christian College; M.A.'69, University of Minnesota.
Major: Education. Minor: American Studies. Thesis: Higher Education and the Development of Professionalism in Post-Civil War America: A Content Analysis of Inaugural Addresses Given by Selected Land-Grant College and University Presidents, 1867-1911.
Major Advisers: Profs. Ayers Bagley and S. M. Clark.

1984. Roger Keith Morris. B.A.'72, University of New England; M.Ed.'76, University of Sydney.
Major: Education. Minor: Supporting Program. Thesis: In-Service Teacher Education: Attitudes, Preferences and Practices.
Major Adviser: Prof. K. R. Howey.

1984. Mary Ann Nolteriek. B.A.'71, University of Northern Iowa; M.A.'78, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Description of Teacher and Student Behavior Within Single and Multiple Group Teaching Structures in Elementary and General Music Education Classrooms.
Major Adviser: Prof. J. A. Jellison.

1984. Chumpol Poolpatarachewin. B.Ed.'70, College of Education, Pitsnuloke; M.Ed.'72, Sri Nakharinwirot University.
Major: Education. Minor: Supporting Program. Thesis: An Analysis of Buddhist Philosophy of Education in Thailand.
Major Adviser: Prof. R. H. Beck.

1984. Steven James Rakow. B.S. with honors '75, Illinois State University; M.A.'80, College of St. Thomas.
Major: Education. Minor: Supporting Program. Thesis: Prediction of the Science Inquiry Skill of Seventeen-Year-Olds: A Test of the Educational Productivity Model.
Major Adviser: Prof. E. D. Gennaro.

1984. Jennifer Ann Smith. B.S.'70, Southern Illinois University, Carbondale; M.A.'78, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Relationships Between Specific Context Variables and Types of Inservice Education Preferred by Elementary Classroom Teachers.
Major Advisers: Profs. K. R. Howey and R. A. Willie.

1984. Louisa Stokes Smith. B.A.'60, Hamline University; M.A.'69, M.A.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Rereading: A Response to Literature.
Major Adviser: Prof. R. N. Odland.

1984. Marjorie Jane Smith. B.S.'59, The University of Wisconsin; M.S.'75, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Comparison of Cooperative and Individualistic Learning in Associate Degree Nursing Students.
Major Adviser: Prof. H. Y. Williams.

1984. Donald Richard Sonsalla. B.S.'55, M.A.'62, University of Minnesota.
Major: Education. Minor: Educational Psychology. Thesis: A Comparative Case Study of Secondary Programs for Hmong Refugee Students in the Minneapolis and the St. Paul Public Schools.
Major Adviser: Prof. N. C. Nickerson.

1984. Carolee G. Sormunen. B.S.'60, M.A.'64, Northern Michigan College.
Major: Education. Minor: Supporting Program. Thesis: A Comparison of Two Methods for Teaching Microcomputer Keyboarding at the Elementary School Level.
Major Advisers: Profs. C. R. Hopkins and J. J. Lambrecht.

Education

1984. Hussein Yassin Taha. B.A. '73, Al-Mustansiriyah University; M.S.Ed. '79, University of Southern California, Los Angeles.
Major: Education. Minor: Supporting Program. Thesis: A Comparative Analysis of College Students' Satisfaction as Perceived by Selected Foreign and American Students at the University of Minnesota.
Major Adviser: Prof. R. H. Beck.
1984. Camille L. Wainwright. B.A. cum laude '67, Concordia College; M.S. '77, Purdue University.
Major: Education. Minor: Supporting Program. Thesis: The Effectiveness of a Computer-Assisted-Instruction Package in Supplementing Teaching of Selected Concepts in High School Chemistry: Writing Formulas and Balancing Chemical Equations.
Major Adviser: Prof. E. D. Gennaro.
1985. Jerome Lee Bakken. B.A. '66, M.A. '69, University of North Dakota.
Major: Education. Minor: German. Thesis: Effects of Simultaneous Reading and Listening Upon Reading Comprehension of Reading Passages of Differing Difficulty Levels, as Measured by an Immediate Recall Protocol, with First Year German Students in a University Program.
Major Adviser: Prof. D. L. Lange.
1985. Katherine Anne Chandler. A.B. '67, Wheaton College; M.A. '76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Intellectual Freedom and the Use of Trade Books in the Elementary School: Perceptions of Principals.
Major Adviser: Prof. R. N. Odland.
1985. Martha Carol Chrisman. B.A. cum laude '76, St. Olaf College; M.A. '80, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: Popular Songs of the Genteel Tradition: Their Influence on Music Education in Public Schools of Louisville, Kentucky, From 1850 to 1880.
Major Adviser: Prof. E. M. Turrentine.
1985. Claudette Rita Dubilewski. B.S. '73, State University College at Brockport; M.A. '74, Michigan State University.
Major: Education. Minor: Supporting Program. Thesis: A Study of Androgyny Levels of Male and Female University Recreational Sports Participants.
Major Adviser: Prof. B. D. Anderson.
1985. William Joseph Farkes. B.A. '63, St. John's University; M.A. '77, University of Minnesota.
Major: Education. Minor: Educational Administration. Thesis: Affective Feedback Combined with Two Concepts Acquisition Strategies in a Computer-based Instructional Lesson.
Major Adviser: Prof. C. A. Carrier.
1985. John Edward Hodge. B.A. '59, University of Washington; M.A. '68, University of Kansas.
Major: Education. Minor: Supporting Program. Thesis: Native English Speaker Initial Reactions to Speech Samples of Japanese Speakers of English.
Major Adviser: Prof. D. L. Lange.
1985. Sue Croswell Reitan. B.S. with distinction '60, M.A. '66, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Student Teacher's Letter of Recommendation as an Indicator of the Cooperating Teacher's Conceptual Level.
Major Advisers: Profs. E. M. Anderson and K. R. Howey.

Education

1985. Gregory Colin Sales. B.Ed. '74, University of Alaska, M.Ed. '79, Miami University.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Learning Style and Type of Feedback on the Achievement of Pre-Service Teachers in a Computer-Based Lesson.
Major Adviser: Prof. C. A. Carrier.
1985. Vernon Elroy Wolff. B.S. with honor '69, Valley City State College; A.M. '76, Stanford University.
Major: Education. Minor: Supporting Program. Thesis: A Study of the Effects of Forced Written Verbalization of the Retention of Specific Mathematics Concepts Presented in a Reception Learning Mode.
Major Adviser: Prof. R. L. Jackson.
1985. Beverley Lois Zakaluk. B.A. '69, M.Ed. '74, M.Ed. '77, University of Manitoba.
Major: Education. Minor: Supporting Program. Thesis: Toward a New Approach to Predicting Text Comprehensibility Using Inside- and Outside-The-Head Information and a Nomograph.
Major Advisers: Profs. B. M. Taylor and S. J. Samuels.
1986. George Raymond Arimond. B.S. with distinction '75, University of Minnesota; M.S. '80, Bemidji State University.
Major: Education. Minor: Supporting Program. Thesis: Beliefs, Attitudes and Intended Behavior of Minnesota Deer Bowhunters.
Major Adviser: Prof. L. H. McAvoy.
1986. Robert Louis Callecod. A.B. '61, Knox College; M.Land Arch. '74, University of Illinois.
Major: Education. Minor: Supporting Program. Thesis: Effects of Motives and Decision-Making on Attribute Preferences in a Ski Touring Environment.
Major Adviser: Prof. John Schultz.
1986. Mario Cianflone. B.A. '70, B.S. '73, M.A. '74, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Timbral Discrimination Skills of Preschoolers, 2nd Graders, and 6th Graders.
Major Adviser: Prof. A. F. Caswell.
1986. Jeanette Rae Daines. B.S. summa cum laude '74, M.S. '77, University of Wisconsin, Stout.
Major: Education. Minor: Supporting Program. Thesis: The Conception of Comparable Worth: Examining a Policy Issue.
Major Adviser: Prof. G. H. Copa.
1986. Jorge Enrique Hernandez. Profesor de Estado Ingles '75, Universidad Nacional; M.A. '78, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Socio-Cultural Content of English as a Foreign Language Used in Costa Rican Public Secondary Schools: Relationship to National Educational Goals and Development Process.
Major Adviser: Prof. D. L. Lange.
1986. Barbara Lee Hertel. B.S. with high distinction '69, M.A. '79, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: A Comparison of Children Learning Science With Parent Versus Peer Partners.
Major Adviser: Prof. E. D. Gennaro.
1986. Nai-Ching Liu Hwong. B.S. '81, M.A. '83, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Cooperative and Individualistic Learning Structures on Prospective Elementary Teachers' Music Achievements and Attitudes.
Major Adviser: Prof. A. F. Caswell.

Education

1986. Noel Charles Johnson. B.S. '69, University of Minnesota, Duluth; M.S. '74, Southern University.
Major: Education. Minor: Supporting Program. Thesis: Using a Microcomputer to Teach a Statistical Concept.
Major Adviser: Prof. R. D. Tennyson.

1986. George Ervin LaGrow. B.S.Educ. '62, Dr. Martin Luther College; M.Educ. '75, Florida Atlantic University.
Major: Education. Minor: Supporting Program. Thesis: The Effect of Student Teaching on Classroom Management Ideologies of College Seniors Majoring in Elementary Education.
Major Adviser: Prof. H. S. Hansen.

1986. Randall James Lund. B.A. '70, M.A. '73, Brigham Young University.
Major: Education. Minor: English as a Second Language. Thesis: The Formal Accuracy of College German Students with the Finite Verb on a Communicative Production Task and Linguistic Awareness Tasks.
Major Adviser: Prof. D. L. Lange.

1986. Ross Alexander Olmos. A.B. '70, University of Illinois; M.S. '72, Michigan State University.
Major: Education. Minor: Supporting Program. Thesis: The Effects of Testing on Adult Learners in a Corporate Environment.
Major Adviser: Prof. H. G. Copeland.

1986. Sharon Kay Ostwald. B.S. '64, Wheaton College; M.S. '76, University of Minnesota.
Major: Education. Minor: Supporting Program. Thesis: An Experimental Study of the Effect of Educational Strategies on Employees' Health Practices, Attitudes and Health Status.
Major Adviser: Prof. H. Y. Williams.

1986. Maurice Leonard Phipps. M.S. '83, Mankato State University.
Major: Education. Minor: Supporting Program. Thesis: An Assessment of a Systematic Approach to Teaching Outdoor Leadership in Expedition Settings.
Major Adviser: Prof. L. H. McAvoy.

1986. Robert Lee Russell. B.A. '66, California Luther College; M.A. '77, California State University.
Major: Education. Minor: Supporting Program. Thesis: Philosophy in the Art Classroom: The Effects of Instruction on Verbal Reasoning of Fifth and Sixth Grade Children About the Nature of Art.
Major Adviser: Prof. M. K. DiBlasio.

1986. Dean Allan Zoerink. B.S. '70, M.A. '73, University of Missouri.
Major: Education. Minor: Supporting Program. Thesis: Leisure Attitudes of Orthopedically Disabled and Nondisabled Adult Men.
Major Advisers: Profs. J. H. Schultz and Caroline Weiss.

Educational Administration

1976. Dean Alan Albertson. B.S. '63, Concordia College; A.M. '66, Colorado State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Assessment of Management Skills and In-Service Training Needs of Administrators in Selected Non-School Human Service Agencies.
Major Adviser: Prof. C. H. Sederberg.

*1976. Brian Edward Boettcher. B.S. '62, M.S. '68, Mankato State College; Spec.Cert. '73, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: An Analysis of Superordinate and Subordinate Perceptions of Secondary Principal's Leader Behavior and Its Relationship to Principal's Collective Bargaining Units.
Major Adviser: Prof. G. F. Alkire.

* Doctor of Education Degree

Educational Administration

*1974. Walter Lee Goodwin. B.S. '65, Morgan State College; M.A. '71, Newark State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparative Analysis of Student Attitude Toward the Climate of Minneapolis Secondary Schools Based on Differences in Grade, Race, and Sex.

Major Adviser: Prof. V.D. Mueller.

**1976. Edward Charles Bolstad. B.S. '59, M.A. '69, Spec.Cert. '72, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Project: The Role of Selected Minnesota High School Principals in Teacher Grievance Procedures.

Major Adviser: Prof. G. F. Alkire.

1976. Nancy Graeme Offutt Detjen. B.A. magna cum laude '58, University of Southern California; M.A. '71, California State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Adolescent Self-Concept as Affected by Institution and Incarceration.

Major Adviser: Prof. V. D. Mueller.

*1976. Carver Coit Fouks. B.S. '52, River Falls State Teachers College; M.A. '58, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Project: A Model Performance Appraisal and Pay Program for School Administrators.

Major Adviser: Prof. N. C. Nickerson.

1976. Michael Charles Hendrickson. B.A. '64, Gustavus Adolphus College; B.D. '68, M.Th. '72, Luther Theological Seminary.

Major: Educational Administration. Minor: Supporting Program. Thesis: Perceived Effects of the Power/Powerless Laboratory on Individual and Group Behavior Among Educators.

Major Adviser: Prof. R. J. Keller.

1976. Keith Alyn Kromer. B.A. '62, University of Minnesota; B.S. with high scholastic honors '66, St. Cloud State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Comparative Effects of Two Staff Development Approaches Upon Regular Class Teachers' Attitudes Toward and Their Knowledge of Handicapped Students.

Major Adviser: Prof. R. H. Weatherman.

1976. Robert Anton Martinson. B.S. '63, M.S. '67, Wisconsin State University, River Falls.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Approach to Student Placement in Teacher Education: An Analysis of Student Attitudes as Related to Alternative Program Selection at the University of Minnesota.

Major Adviser: Prof. G. F. Alkire.

1976. Daryl Joseph Orris. B.S. with distinction '73, University of Minnesota.

Major: Educational Administration. Minor: Art Education. Thesis: An Analysis of the Perceived Attainment and Importance of Goals and Objectives of Fine Arts Administrators: The Relationship Between Goals and Organization in University Fine Arts Programs.

Major Advisers: Profs. V. L. Hendrix and D. A. Morgan.

1976. Carol Ann O'Toole. B.S. '64, North Dakota State University; M.A. '73, University of Minnesota.

Major: Educational Administration. Minor: Industrial Relations. Thesis: An Investigation of the Differences in Collective Bargaining Activity of Selected School Districts Under Three Minnesota State Laws.

Major Adviser: Prof. C. P. Hooker.

1976. Charles Wesley Turnbull. B.S. '58, M.A. '59, Hampton Institute.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Structural Development of a Public Education in the Virgin Islands, 1917-1970: A Functional Analysis in Historical Perspective.

Major Adviser: Prof. S. H. Popper.

* Inadvertent omission from previous Register.

** Doctor of Education Degree

Educational Administration

1976. Gregory Jerome Waddick. B.S. with distinction '54, M.A.'63, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Differential Perceptions of the Minnesota Education Community Relating to Educational Quality Control.
Major Adviser: Prof. V. D. Mueller.

1976. Holly K. Zanville. B.A.'68, Lindenwood College; M.A.'69, University of Wisconsin.

Major: Educational Administration. Minor: Supporting Program. Thesis: Implications for Nontraditional Higher Education: Graduate and Professional School Acceptability of Nontraditional Student Applicants.
Major Adviser: Prof. V. L. Hendrix.

1976. S. Ruth Zimdars. B.S.'43, Winona State Teachers College; M.A.'68, Spec.Cert.'70, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Employment Patterns of Women and Ethnic Persons in School Administrative Positions in Relation to Certain Legal Actions.
Major Adviser: Prof. C. P. Hooker.

1977. Kenneth George Baltes. B.S.B.'68, M.A.'75, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Data Needs Assessment for Higher Education Administration: A Methodology.
Major Adviser: Prof. V. L. Hendrix.

1977. Robert Reaves Bayless. B.S.'66, Southwestern Assemblies of God College; M.S.'69, Indiana University.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Assemblies of God Educational System: An Analysis of the Perceived and Preferred Goals in Relation to Organizational Theory.
Major Advisers: Profs. D. A. Morgan and V. L. Hendrix.

1977. Warren H. Bock. B.S.'64, M.S.'66, Mankato State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Minnesota's Effort to Reintegrate Mentally Retarded Persons into the Community.
Major Adviser: Prof. R. F. Weatherman.

1977. Jane Marie Brush Lillestol. B.S. with distinction '69, M.S.'73, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Effect of Applicant's Sex, Difficulty of Job and Sex of Personnel Manager on Evaluations of Candidates for Managerial Positions in Retail Merchandising.
Major Adviser: Prof. V. D. Mueller.

1977. Wen-Shyong Chen. B.Ed.'71, M.Ed.'74, National Taiwan Normal University.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Job Satisfaction of School Teachers in the Republic of China as Related to Personal and Organizational Characteristics.
Major Adviser: Prof. G. G. Mansergh.

*1977. Jean Clark Connell. B.A.'59, Macalester College; M.A.'68, Ed.Spec.'70, College of St. Thomas.

Major: Educational Administration. Minor: Supporting Program. Project: District Power Equalizing as an Alternative Method for Public School Financing.
Major Adviser: Prof. N. C. Nickerson.

1977. Patrick Carberry Dorin. B.A.'61, Northland College; M.A.'66, Northern Michigan University; Ed.Spec.'71, M.A.'72, Michigan State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparison of Management Activities of Middle Management in Industry and Education.
Major Advisers: Profs. N. C. Nickerson. and G. F. Alkire.

Educational Administration

1977. Jeanne Elizabeth Dorle. B.S. with distinction '68, M.A.'68, University of Minnesota.
Major: Educational Administration. Minor: Speech Pathology. Thesis: The Prediction of Language Skills Prior to Kindergarten Entry.
Major Advisers: Profs. R. A. Rubin and C. H. Sederberg.
1977. Zvi Cornell Eisikovits. B.A.'71, The Hebrew University of Jerusalem.
Major: Educational Administration. Minor: Supporting Program. Thesis: Youths Committed to the State Department of Corrections for Offenses Against Persons.
Major Advisers: Profs. C. P. Hooker and Gisela Konopka.
1977. Sonja Anderson Eveslage. B.S. with honors '65, St. Cloud State College; M.A.'70, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Implementing an Innovative Policy: A Comparative Analysis of Four State Universities.
Major Advisers: Profs. R. J. Keller and T. L. Mazzoni, Jr.
1977. K. Scott Foster. B.S. with distinction '58, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Dynamic Information Feedback Model for Policy Analysis of Teacher Labor Markets.
Major Adviser: Prof. W. M. Ammentorp.
1977. Yardena Harpaz. B.A.'73, University of Haifa.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparison of Typologies of Competencies Needed for the Administrative Process of Community Schools and Traditional Schools.
Major Adviser: Prof. V. D. Mueller.
- *1977. Elmira Smith Hendrix. B.S.'59, Macalester College; M.A.'73, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: Attitudes of Elementary Title I Students Before and After Desegregation.
Major Adviser: Prof. G. F. Alkire.
1977. Kay Eileen Jacobs. B.S.'65, University of North Dakota; M.A.'74, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of the Relationship Between Enrollments and Expenditures in Selected Minnesota School Districts During the Period 1969-70 Through 1974-75.
Major Advisers: Profs. V. D. Mueller and C. H. Sederberg.
1977. Glendon Leinhart Lakes. B.S.'66, Ohio State University; M.Ed.'69, University of Cincinnati.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Teacher Dogmatism During a Year of Inservice Education.
Major Adviser: Prof. N. C. Nickerson.
1977. Edward Thomas Lees. B.S.'54, M.S.'74, University of Scranton.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Self-Perceived Role of Administrators of Chemical Dependency Treatment Programs in the State of Minnesota.
Major Advisers: Profs. R. F. Weatherman and J. R. Morris.
- *1977. Malcolm Montgomery McKay. B.S.'61, Macalester College.
Major: Educational Administration. Minor: Educational Psychology.
Project: Adolescent Problems: An Examination of the Rank Comparison of the Latent Categories of Problems as Defined and Ordered by High School Students.
Major Adviser: Prof. W. M. Ammentorp.

* Doctor of Education Degree

Educational Administration

1977. Joanne Henry Moses. B.A.'60, Mount Marty College; M.A.'69, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Evaluation of Transactional Analysis Process as a Tool in Staff Relations.
Major Adviser: Prof. V. L. Hendrix.
- *1977. Frank Clare Neumann. B.A.'64, Hamline University; M.A.'66, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Community Attitudinal Survey and Project Designed to Establish Long-Range Educational Goals for Centennial Independent School District #12, Minnesota.
Major Adviser: Prof. G. F. Alkire.
- *1977. Peter E. Obermeyer. B.A.'60, St. Olaf College; M.A.'63, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: Multi-Employer Collective Bargaining: A Model for Education.
Major Adviser: Prof. V. D. Mueller.
- *1977. Theodore Charles Pollard. B.S.'54, University of Minnesota, Duluth; M.A.'59, Spec.Cert.'68, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: Attitude Change in Experienced Minneapolis Teachers When Placed in a New Organizational Pattern.
Major Adviser: Prof. G. F. Alkire.
1977. Robert Elroy Powless. B.S.'56, M.S.'61, University of Wisconsin.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Effect of a Human Relations Curriculum on the Dogmatism of Teachers.
Major Advisers: Profs. W. M. Ammentorp and D. M. Morgan.
1977. Donald Irvén Pryor. B.S.'42, State Teachers College; M.A.'48, Spec.Cert.'62, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Effects of Selected Variables on the Resource Allocation of Minnesota School Districts for the Period 1969-70 Through 1975-76.
Major Advisers: Profs. V. D. Mueller and C. H. Sederberg.
1977. Thomas Edwin Rolloff. B.A.'59, Hamline University; M.A.'63, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Examination of "Leadership" and "Administrative" Decision Making by the Secondary School Principal Within Centralized and Decentralized Secondary School Districts in the Minneapolis-St. Paul Metropolitan Area.
Major Advisers: Profs. G. F. Alkire and N. C. Nickerson.
- *1977. Joseph Hurley Sahmaunt. B.A.'60, Oklahoma City University; M.Teach.'68, Southwestern State College.
Major: Educational Administration. Minor: Supporting Program. Project: The Development of Library Programs To Meet the Informational Needs of an Adult Indian Community.
Major Adviser: Prof. G. F. Alkire.
1977. Madan Saluja. B.Laws '62, University of Delhi; B.A.'64, Macalester College.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Students' Personal Value Systems, Their Perceptions of Managerial Values, and the Relationship of Values and Precedents to Decision Making.
Major Advisers: Profs. V. D. Mueller and G. F. Alkire.

* Doctor of Education Degree

Educational Administration

1977. Gary Lee Sheldon. B.S.'58, University of Minnesota; M.Ed.'65, University of Illinois.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparative Analysis of Agricultural Technical Training in Relation to Job Performance in Agricultural Production Between the University of Minnesota Technical College and Other Systems of Two-Year Post-Secondary Education in Minnesota.

Major Advisers: Profs. D. A. Morgan and V. L. Hendrix.

*1977. Carol Marlene Sorenson. B.S.'61, M.Ed.'64, Macalester College.

Major: Educational Administration. Minor: Supporting Program. Project: The Elementary Principal's Role as Perceived by Principals, Teachers and Parents in School Communities of Different Socio-Economic Levels.

Major Adviser: Prof. V. D. Mueller.

*1977. Dean Monroe Soutor. B.S.Ed.'65, M.Ed.'68, University of North Dakota.

Major: Educational Administration. Minor: Supporting Program. Project: A Study of Minnesota School Principals' Contracts and Influences of the 1973 Public Employees Labor Relations Act.

Major Adviser: Prof. N. C. Nickerson.

*1977. Dale Lee Wain. B.S.'64, University of Minnesota; M.Ed.'67, Wisconsin State University.

Major: Educational Administration. Minor: Supporting Program. Project: Attitudes of Local Educational Policy Makers Toward Inter-District Cooperation Through Regional Service Units and the Relationship of These Attitudes to Selected Personal and School District Characteristics.

Major Advisers: Profs. T. L. Mazzoni, Jr. and G. G. Mansergh.

*1978. Theodore Billy. B.S.'59, University of Minnesota; M.S.'66, Stout State University; Specialist Degree '70, Wisconsin State University, Superior.

Major: Educational Administration. Minor: Supporting Program. Project: The Political Involvement of Minnesota Superintendents in the State Level Educational Policy System.

Major Adviser: Prof. N. C. Nickerson.

1978. Barbara Seeley Devlin. B.A. magna cum laude '69, Gustavus Adolphus College; M.A.'71, University of Massachusetts at Amherst.

Major: Educational Administration. Minor: Supporting Program. Thesis: Teacher Participation in Decision-Making and Its Relationship to Variables of Job Satisfaction, Organizational Commitment, Job Tension, and Attitudinal Militancy.

Major Advisers: Profs. T. L. Mazzoni, Jr. and V. L. Hendrix.

1978. Gerald Henry Dufour. B.S.'65, Macalester College; M.A.'73, College of St. Thomas.

Major: Educational Administration. Minor: Supporting Program. Thesis: Competencies Required of Supervisors of Special Education in Minnesota as Perceived by Directors and Supervisors.

Major Adviser: Prof. R. F. Weatherman.

1978. David Eugene Godderz. B.S.'64, Northern State Teachers College; M.S.'68, Newark College of Engineering.

Major: Educational Administration. Minor: Supporting Program. Thesis: Development of a Two-Year Community College Data Processing Curriculum for the Minneapolis/St. Paul Marketplace.

Major Adviser: Prof. V. L. Hendrix.

1978. Susan Elizabeth Tamminen Greene. B.S.'67, University of Minnesota; M.A.'71, St. Thomas College.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Investigation of Selected Scores of Twelfth Grade Students Enrolled in Two Types of Programs in One School District.

Major Adviser: Prof. N. C. Nickerson.

* Doctor of Education Degree

Educational Administration

1978. Adele Helene Ostershek Hellweg. B.A.'48, McMaster University; M.A.'51, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparison of the Role of the Elementary School Principal in Declining and Nondeclining Enrollment School Districts.
Major Adviser: Prof. R. T. Lambert.

1978. Joseph Charles Imberman. A.B. cum laude '70, M.A.'72, Washington University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Community Foundation: Its Historical Background, the Creation of the North Dakota Community Foundation, and a Developmental Framework for Beginning New Community Foundations.
Major Adviser: Prof. N. C. Nickerson.

1978. Anne Marsha Klein. A.B.'65, Stanford University; M.A.'67, University of California, Los Angeles.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Experimental Study Investigating the Effects of Instructional Simulation Utilizing Simulated Patients on Clinical Performance and Perceptions of Second Year Medical Students.
Major Adviser: Prof. N. C. Nickerson.

*1978. Marne Maurine Young Law. A.B.'64, Loretto Heights College; M.Ed.'75, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Comparison of Responsive and Non-Responsive Models of Evaluating Art Programs in Elementary Schools.
Major Adviser: Prof. N. C. Nickerson.

*1978. Vonna Mae Malinen. B.S.'46, University of Minnesota, Duluth; M.S.'71, St. Cloud State University.
Major: Educational Administration. Minor: Educational Psychology.
Project: Secondary Special Education Teachers' Perception of Their Responsibility for the Instruction of Prevocational Skills and Attitudes to Handicapped Secondary Students in Minnesota.
Major Advisers: Profs. D. A. Morgan and R. F. Weatherman.

*1978. Gerald Leo McCoy. B.S.'60, Mankato State College; M.Ed.'63, University of Illinois.
Major: Educational Administration. Minor: Education. Project: The Effectiveness of the Meet and Confer Portion of the Public Employment Labor Relations Act of 1971 in Selected Minnesota School Districts.
Major Adviser: Prof. N. C. Nickerson.

1978. Jo Ann Aaby McMahon. B.S.'51, M.S.T.'72, Wisconsin State University, River Falls.
Major: Educational Administration. Minor: English. Thesis: The Tension Between Collectivism and Pluralism and the Legal Concept of Equality of Educational Opportunity.
Major Adviser: Prof. C. P. Hooker.

1978. Mary Thornton Phillips. B.A.'54, Xavier University; M.Ed.'57, Indiana University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Higher Education in Public Service: A Case Study of the University of Minnesota as an Information Resource to the State in Legislative Decision-Making.
Major Advisers: Profs. G. F. Alkire and V. D. Mueller.

*1978. Matsolonia Ann Pruitt Pullens. B.S.Ed.'52, M.S.'68, University of Nebraska, Omaha.
Major: Educational Administration. Minor: Supporting Program. Project: Characteristics of Suburban Families Who Elect to Send Their Children To Predominantly Black Urban Inner-City Schools.
Major Adviser: Prof. V. D. Mueller.

* Doctor of Education Degree

Educational Administration

1978. Kathryn Ray Roberts. B.A.'73, University of Minnesota; M.S.'69, Mankato State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Client and Program Attributes in Minnesota's Developmental Achievement Centers.
Major Adviser: Prof. V. D. Mueller.
1978. Sandra Gail Gerland Schley. B.S.'62, University of Wisconsin; M.Ed.'68, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Assessment of Educational Markets Among Female Employees in Normandale Community College Service Area Firms.
Major Advisers: Profs. D. A. Morgan and N. C. Nickerson.
- *1978. Catherine Louise Stehly. B.A.'57, College of St. Catherine; M.A.'65, University of Notre Dame.
Major: Educational Administration. Minor: Supporting Program. Project: An Analysis of the Understanding and Utilization of an Educational Accountability Model by the Michigan State Department of Education.
Major Adviser: Prof. N. C. Nickerson.
1978. Harold Albert Tapper. B.A.'67, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Definition of the Minimum Array of Essential Community Services to Meet the Needs of All Mentally Retarded Persons.
Major Adviser: Prof. R. F. Weatherman.
1978. Billie Joan Thomas. B.A.'71, M.Ed.'77, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Role Definition for Early Childhood Education Administrators.
Major Adviser: Prof. R. F. Weatherman.
1978. Flavio Vega. B.S.Bus.'72, Indiana University; M.A.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Effect of Human and Intergroup Relations Education on the Race/Sex Attitudes of Education Majors at St. Cloud State University.
Major Advisers: Profs. V. D. Mueller and D. A. Morgan.
1978. Manuel T. Woods. B.A.'70, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Analysis of Perceived Personal Values of Educational Administrators and Business Managers in the Midwest and Western Regions of the United States.
Major Advisers: Profs. W. M. Ammentorp and D. A. Morgan.
- *1978. Charles F. Zielin. B.S.'61, Bemidji State College; M.A.'69, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Practical Model of Instructional Supervision and Instructional Evaluation for Secondary School Principals.
Major Adviser: Prof. N. C. Nickerson.
1979. Richard D. Ashe. B.S.'63, Stillman College; M.S.'67, Indiana University; Educ.Spec.'71, University of Alabama.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparative Analysis of the Academic Performance of Black and White Junior High School Students Attending Desegregated Schools Outside of Their Normal Attendance Area in the St. Paul School District.
Major Adviser: Prof. C. P. Hooker.
1979. Shirley Carolyn Askland. B.S.Nurs.Ad. with distinction '60, M.Nurs.Ad.'63, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Perceptions Held by Graduating Physical Therapist Students and Their Instructors Regarding the Competencies of the Physical Therapist Practitioner.
Major Advisers: Profs. V. L. Hendrix and D. A. Morgan.

* Doctor of Education Degree

Educational Administration

1979. Yvonne Marie Beseler. B.A.'66, College of St. Catherine; M.A.'72, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship of Community Involvement in Schools and Parent Involvement in Individualized Education Program Planning.
Major Adviser: Prof. C. P. Hooker.

*1979. Don Raymond Borgeson. B.S.'65, M.A.'71, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Comparative Study of Work-Related Activities of Elementary School Classroom Teachers in Selected Minneapolis Public Schools.
Major Adviser: Prof. G. F. Alkire.

1979. Susan Harding Woodard Broberg. B.S.'60, Skidmore College; M.Ed.'65, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Management Potential in Career Mobility: A Comparison Between Licensed Practical Nurse Mobilists and Generic Students in Two Associate Degree Nursing Programs.
Major Advisers: Profs. W. M. Ammentorp and D. A. Morgan.

*1979. Karl Edmund Brungardt. B.S.'61, Winona State College; Spec.Cert.'72, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Procedural Model for the Improvement of Instruction Through the Evaluation/Supervision of Teachers.
Major Adviser: Prof. N. C. Nickerson.

1979. Louellen N. Essex. B.S.'70, University of Minnesota; M.A.'75, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Development and Evaluation of an Inservice Workshop Training Program in Conflict Management for School Administrators.
Major Adviser: Prof. R. F. Weatherman.

1979. Leslie Sue Gerstman. A.B.'73, Oberlin College; M.Ed.'75, University of Illinois.
Major: Educational Administration. Minor: Supporting Program. Thesis: Withdrawal of Blacks and Whites from Public to Nonpublic Elementary Schools in Minneapolis.
Major Advisers: Profs. V. L. Hendrix and J. R. Morris.

1979. Norena Ann Hale. B.S.'66, Northwest Missouri State College; M.S.'70, Central Missouri State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Special Education Personnel Projection Model.
Major Advisers: Profs. J. R. Morris and R. F. Weatherman.

1979. Kenneth Wayne Hasledalen. B.S.B.'65, University of Minnesota; M.B.A.'69, St. Cloud State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Evaluation of Alternative Indirect Cost Allocation Methods in Minnesota Area Vocational Technical Institutes.
Major Advisers: Profs. R. J. Keller and R. G. Schroeder.

1979. J. Jean Heers. B.S.'59, University of Minnesota; M.S.'75, Mankato State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Exploratory Analysis of School Adaptability and Principled Moral Development.
Major Adviser: Prof. N. C. Nickerson.

1979. Mary Ann Peterson Holtz. B.A.'63, Bethel College.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparison of the Personality Characteristics and Background Factors Among Women Administrators in Education, Business and Government.
Major Adviser: Prof. N. C. Nickerson.

* Doctor of Education Degree

Educational Administration

1979. Dean Allen Honetschlager. B.A. cum laude '52, M.Ed.'59, Hamline University.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of the Relationship Between School District Enrollment Size and Measures of Program Adequacy in Minnesota School Districts.
Major Adviser: Prof. V. L. Hendrix.

1979. Mary Vaughn Hubbard. B.A.'64, M.A.'70, Cardinal Stritch College.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Investigation of Socioeconomic and Maternal Characteristics and Their Relationship to School Performance of the Child.
Major Adviser: Prof. R. F. Weatherman.

1979. Gary Allen Korpela. B.S.'60, M.S.'68, Mankato State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: Goal Consensus and Effectiveness in School Organization.
Major Adviser: Prof. S. H. Popper.

1979. Alexander Orehmekeh Lewis. B.A.'72, Langston University; M.A.'74, University of Minnesota.
Major: Educational Administration. Minor: Public Affairs. Thesis: The Impact of Population Change on the Cost of Primary School Education in the Gambia.
Major Advisers: Profs. V. L. Hendrix and J. R. Morris.

1979. Michael James Lovett. B.A.'70, Carleton College; M.A.'73, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Determinants of Collective Bargaining Outcomes for Minnesota Public Elementary and Secondary Teachers.
Major Advisers: Profs. T. L. Mazzoni, Jr. and V. D. Mueller.

1979. Dwight Philip Maxa. B.S. with distinction '69, M.A.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Dynamic Design Model for Policy Analysis of a Hearing Screening Service Continuum.
Major Advisers: Profs. W. M. Ammentorp and R. F. Weatherman.

1979. John Whitty Mercer. B.A.'64, M.S.'66, Florida State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Constitutional Guarantees of Due Process and Equal Protection for Gifted Public School Students.
Major Adviser: Prof. W. M. Ammentorp.

*1979. Leroy Bobby Rorie. A.B.'67, Livingstone College; M.A.'73, Federal City College.
Major: Educational Administration. Minor: Supporting Program. Project: Evaluating a Minority Teacher Education Program, a Needs Assessment Approach.
Major Advisers: Profs. T. L. Mazzoni, Jr. and J. R. Morris.

*1979. Rosemary Anne Ruffenach Sommerville. B.S.'68, University of Minnesota; M.A.'69, Northwestern University.
Major: Educational Administration. Minor: Supporting Program. Project: Relations Between Organizational Climate and Student Achievement.
Major Adviser: Prof. N. C. Nickerson.

1979. Rita Elizabeth Kisting Sparks. B.S.N.'62, University of Wisconsin; M.S.'65, University of Colorado.
Major: Educational Administration. Minor: Nursing. Thesis: Problem Solving Ability of Graduates from Associate and Baccalaureate Degree Nursing Programs.
Major Advisers: Profs. M. I. Harris and R. J. Keller.

* Doctor of Education Degree

Educational Administration

1979. Velma Marie Houston Terrell. B.S.'68, M.Ed.'72, Southern University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship of Occupational Preferences of Black and White Junior and Senior High School Students with Selected Variables.
Major Adviser: Prof. V. D. Mueller.

*1979. Patricia Ann Meacham Tidgewell. B.S.'64, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: The Development of a Procedure for the Minnesota State Department of Education to Assess Compliance Efforts of Local School Districts and a Field Test to Determine Validity and Reliability of the Procedure Developed.
Major Adviser: Prof. G. F. Alkire.

*1979. Leon George Tuominen. B.S.'67, University of Minnesota, Duluth; M.S.'73, Moorhead State College.
Major: Educational Administration. Minor: Supporting Program. Project: The Development and Validation of the Principal Role Inventory of Normative Expectations.
Major Adviser: Prof. G. F. Alkire.

1979. Everett Max Walton. B.S.'51, University of Minnesota; M.S.'58, Oregon State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Computer Simulation of Resource Allocations in Public School Districts.
Major Adviser: Prof. W. M. Ammentorp.

1979. Paul Alfred Wilke. B.A.'40, St. Olaf College; M.S.'64, Mankato State College.
Major: Educational Administration. Minor: Educational Psychology.
Thesis: An Analysis of Factors Influencing Student Attitudes in Two Suburban Junior High Schools with Contrasting Organization for Instruction.
Major Adviser: Prof. N. C. Nickerson.

1980. Janna Serina Vockrodt Aarestad. B.S. summa cum laude '68, Moorhead State University; M.S.'71, St. Cloud State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Analysis of Teacher Selection/Retention and Student Achievement as Related to Selection Research Incorporated's Teacher Perceiver Interview.
Major Adviser: Prof. V. L. Hendrix.

1980. Wendy Louise Andberg. B.A.'70, M.A.'75, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Trends in Tort Liability of Trustees for Student Injuries in Private Institutions of Higher Education.
Major Adviser: Prof. C. P. Hooker.

1980. Lynne Elizabeth Anderson. B.S.'60, Moorhead State Teachers College; M.S.'71, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Effects of Selected District, Program, and Student Variables on Student Performance in Science.
Major Adviser: Prof. V. D. Mueller.

1980. Jackie Louise Byrd. B.A.'74, M.A.'77, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Design and Delivery of Human Services: A New Theory and Model with Proposed Policy Intervention Strategies.
Major Adviser: Prof. W. M. Ammentorp.

1980. Gayden Fisher Carruth. B.S.Ed.'66, M.E.'69, Mississippi College.
Major: Educational Administration. Minor: Supporting Program. Thesis: Minnesota's Foundation Program: Projected Effects of the Distribution of Selected Maintenance Revenues upon Fiscal Equity, for Fiscal Years 1980-1983.
Major Adviser: Prof. V. D. Mueller.

* Doctor of Education Degree

Educational Administration

1980. Bethaviva Cohen. B.A. with distinction '71, University of Illinois, Chicago Circle; M.S.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Structural Model of Factors Affecting Changes in Net Tuition Revenues at Private Colleges.

Major Adviser: Prof. W. M. Ammentorp.

1980. Donald W. Compton. B.A.'74, Hamline University; M.S.'76, Virginia Polytechnic Institute and State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Toward an Integration of Youth Development and Smoking Behavior Theory: An Empirical Study of Adolescent Cigarette Smoking.

Major Adviser: Prof. C. P. Hooker.

1980. John Patrick Cronin. B.S.'68, M.S.'74, St. Cloud State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Use of Adolescent Variables for Special Educators to Predict the Life Adjustment Outcome of 1000 Psychiatric and Non-Psychiatric Children: A Twenty-Five Year Followup Study.

Major Adviser: Prof. W. M. Ammentorp.

1980. Timothy John Delmont. B.A.'66, St. John's University; M.A.'69, B.S. with high distinction '74, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Openness in Resource Planning in State Universities.

Major Advisers: Profs. Carl Adams and R. J. Keller.

1980. Ellen J. Fitzgerald. B.S.'62, M.A.'67, University of Minnesota.

Major: Educational Administration. Minor: Library Science. Thesis: An Analysis of Factors Influencing the Results of the Faculty Collective Bargaining Election at the University of Minnesota, April, 1978.

Major Adviser: Prof. V. D. Mueller.

1980. Ramy Saloman Hagoel. B.S.W.'74, University of Haifa; M.A.'78, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Sex Education in Public and Parochial Schools: Educators' Role-Conflict.

Major Adviser: Prof. W. M. Ammentorp.

1980. Linda Jean Hall Harris. B.S.Ed. with high distinction '69, A.M.'70, University of Michigan; M.S.W.'75, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Middle-Class High School Dropouts: Incidence of Physical Abuse, Incest, Sexual Assault, Loss, Symptomatic Behaviors, and Emotional Disturbance.

Major Adviser: Prof. W. M. Ammentorp.

*1980. William Edward Holden. B.A.'49, Augsburg College; M.Ed.'53, Macalester College.

Major: Educational Administration. Minor: Supporting Program. Project: A Comparative Analysis of Perceived Job Satisfaction of Secondary School Principals and Middle Managers in Business and Industry.

Major Adviser: Prof. C. P. Hooker.

*1980. Patricia Ann Zepezauer Joslin. B.S. cum laude '71, M.S.'73, University of Wisconsin, Milwaukee.

Major: Educational Administration. Minor: Supporting Program. Project: Inservice Teacher Education: A Meta-Analysis of the Research.

Major Adviser: Prof. R. T. Lambert.

1980. Orchard Muchero M'dzonga. B.A.'71, St. Olaf College; M.A.'78, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Role of African Professionals in American and African Societies: Educational Implications.

Major Adviser: Prof. V. L. Hendrix.

* Doctor of Education Degree

Educational Administration

1980. Loma Ruth Meyer. B.S. with distinction '63, University of Minnesota; M.S.'64, Oklahoma State University; Ed.D.'76, Laurence University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Assessing Institutional Positioning for Potential New Student Markets in Lifelong Learning: Applied Metamarketing in Higher Education Administration.

Major Advisers: Profs. D. A. Morgan and W. M. Ammentorp.

1980. Michael Charles Morrison. B.A.'68, M.A.'70, University of Minnesota.

Major: Educational Administration. Minor: Sociology. Thesis: Faculty Salaries at a Two-Year Postsecondary Institution: A Multiple Regression and Path Analysis.

Major Adviser: Prof. V. L. Hendrix.

1980. Mary Ann E. Zoretich Nelson. B.S. with distinction '69, University of Minnesota; M.S.'76, Mankato State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Leader Behavior and Its Relationship to Subordinate Job Satisfaction as Moderated by Selected Contingency Factors in Minnesota Public Schools: A Path-Goal Theory Approach.

Major Adviser: Prof. N. C. Nickerson.

1980. Patricia Kathryn O'Kane. B.S.'69, Loretto Heights College; M.Nurs.'71, Emory University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Faculty and Nurse Administrators' Perceptions of Decision Making in Associate and Baccalaureate Degree Schools of Nursing.

Major Adviser: Prof. N. C. Nickerson.

1980. Julia Ann Losby Olson. B.A.'73, Augsburg College; M.A.'76, Spec.Cert.'77, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Time Use Study of Male and Female Elementary Principals.

Major Advisers: Profs. R. T. Lambert and T. L. Mazzoni, Jr.

1980. Nelson Robert Otto. B.A.'66, Bethel College; M.A.'79, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Professional Burnout: A Delphic Probe to Determine Its Definition, Characteristics, Causes, and Solutions.

Major Adviser: Prof. R. F. Weatherman.

1980. Mitchell Bruce Pearlstein. B.A.'71, State University of New York, Binghamton; M.A.'79, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Selected Jewish Responses to Affirmative Action Admissions: Toward a Conceptual Understanding.

Major Adviser: Prof. S. H. Popper.

1980. Jerry Allan Pederson. B.S.'73, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Teacher Morale in Selected Minnesota Elementary Schools.

Major Adviser: Prof. R. T. Lambert.

1980. Elinor Nelson Schussheim. B.A. magna cum laude '74, Marshall University; M.A.'76, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Organizational and Process Characteristics Determining Collective Bargaining Outcomes in Public Education: A Comparative Case Analysis.

Major Adviser: Prof. T. L. Mazzoni, Jr.

1980. Barry P. Sullivan. B.A.'70, St. Cloud State College; M.A.'73, University of North Dakota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Post-Secondary Education Lobbyists in Minnesota.

Major Advisers: Profs. T. L. Mazzoni, Jr. and D. A. Morgan.

Educational Administration

1980. Beth A. Sullivan. B.A.'70, B.S.Ed.'71, M.Ed.'71, University of North Dakota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Education Lobbyists in Minnesota.
Major Advisers: Profs. T. L. Mazzoni, Jr. and V. D. Mueller.

1980. Louis Levi Zachary. B.A.'58, Mankato State Teachers College; M.S.'69, University of Wisconsin.
Major: Educational Administration. Minor: Supporting Program. Thesis: Attitudes of Minnesota Community College Personnel Concerning Affirmative Action.
Major Advisers: Profs. W. M. Ammentorp and D. A. Morgan.

1981. Philip Joseph Anderson. B.S. with honor '62, Mankato State College; M.A.'65, Colorado State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Educator Perceptions of Institutional and Cooperative Goals in Selected Minnesota Community Colleges and Area Vocational-Technical Institutes.
Major Adviser: Prof. V. L. Hendrix.

1981. Roberta Michele Block. B.A. cum laude '68, Vassar College; M.A.T.'69, Simmons College.
Major: Educational Administration. Minor: Supporting Program. Thesis: Superintendents' Perceptions of the Impact of the Alternative School Movement on the Educational Mainstream.
Major Adviser: Prof. N. C. Nickerson.

*1981. Lloyd E. Charles. B.S.'50, Southern University; M.Ed.'61, Louisiana State University.
Major: Educational Administration. Minor: Supporting Program. Project: Attitudinal Characteristics of Suspended Students.
Major Adviser: Prof. V. D. Mueller.

1981. Mary Jo Czaplewski. B.S.'58, Silver Lake College; M.Ed.'70, St. Louis University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Behavioral Content of the Work of the Home Economics Deans.
Major Adviser: Prof. V. D. Mueller.

1981. David C. Eckholm. B.S. cum laude '73, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Rural Agri-Social Systems: Policy Indicators and System Response.
Major Advisers: Profs. W. M. Ammentorp and R. P. Marvin.

1981. Peter Alan Gordon. B.Ed.'66, M.Ed.'70, University of Alberta, Calgary.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Validation Study of the Theory of Work Adjustment: The Prediction of Teacher Satisfaction.
Major Advisers: Profs. G. F. Alkire and V. L. Hendrix.

*1981. Barbara Jean Hauge. B.S.'65, Lakeland College; M.A.'71, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Study of Teacher Evaluation Practices and Perceived Attitudes of Those Practices by Elementary School Principals in the Twin Cities Metropolitan Area.
Major Adviser: Prof. G. F. Alkire.

1981. Suzanne Rose Haskins Hendricks. B.S. magna cum laude '62, State University of New York, Oneonta; M.A.'65, Michigan State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Role of Family Decision Making in College Choice.
Major Adviser: Prof. W. M. Ammentorp.

* Doctor of Education Degree

Educational Administration

1981. Richard Herbert Holt. B.A.'61, M.A.'67, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A Study of the Effects of a Parent-Oriented Early Childhood Program on the
Home Environment.
Major Adviser: Prof. R. F. Weatherman.

1981. Sam Hwan Joo. B.A.'72, Kook Jae College; M.Ed.'75, Seoul National
University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Relationships of School Bureaucratization, Elementary School Teachers'
Professional and Bureaucratic Orientation, Conflict, and Job Satisfaction
in a Selected School District.
Major Adviser: Prof. R. T. Lambert.

1981. Rosemary F. Andaloro Langston. B.S.'60, University of Buffalo;
M.S.'73, Texas Woman's University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Comparative Effects of Baccalaureate and Associate Degree Educational
Programs on the Professional Socialization of Nursing Students.
Major Adviser: Prof. S. H. Popper.

1981. Hee-Kwan Lee. B.Com.'52, Yonsei University; M.S.'65, M.A.'68,
Michigan State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A System Dynamic Study of a Criminal Justice System and Appraisal of Its
Correctional Education.
Major Adviser: Prof. W. M. Ammentorp.

1981. Jack Richard Loss. B.S.'57, M.A.'61, Indiana State University;
Ed.S.'73, St. Cloud State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A Comparative Analysis of Selected Paired Rural Minnesota School Districts.
Major Adviser: Prof. V. D. Mueller

1981. Monica Marie Manning. B.A.'68, M.A.'70, University of Illinois.
Major: Educational Administration. Minor: Speech-Communication. Thesis:
Faculty Perceptions of Changes in Locus of Decision Making and
Organizational Structure in Minnesota Community Colleges from 1972-1978.
Major Advisers: Profs. D. A. Morgan and R. J. Keller.

1981. Leslie Klug Mercer. B.S. magna cum laude '69, University of
Wisconsin, River Falls.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Urban School Policy Making: The Saint Paul School Board, 1951-78.
Major Adviser: Prof. T. L. Mazzoni, Jr.

1981. Marilee Ann Miller. B.A.'67, College of St. Catherine; M.S.'72,
Wayne State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Professional/Client Interactions: Implications for Education and
Management.
Major Adviser: Prof. W. M. Ammentorp.

1981. Joseph Henry Nathan. B.A.'70, Carleton College; M.A.'74, University
of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Attitudes Toward High School Education Held by Graduates of a Traditional
and Alternative Public School in St. Paul, Minnesota.
Major Adviser: Prof. N. C. Nickerson.

1981. Shirley A. Nelson. B.S. with distinction '59, University of
Minnesota; M.A.'65, California State University, Long Beach.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Private Right of Action Under Title IX of the Education Amendments of 1972:
Implications for Educational Institutions.
Major Adviser: Prof. W. M. Ammentorp.

Educational Administration

1981. John W. Palmer. B.S.'70, Illinois State University; M.S.'74, College of Racine; Ed.Sp.'78, St. Cloud State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Opinions of Selected Individuals Toward the Role and Funding of Driver Education in Minnesota.

Major Adviser: Prof. V. D. Mueller.

1981. Jeffrey C. Raison. B.A.'71, State University of New York at Albany; M.Ed.'73, Boston University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Job Burnout and Stress in Regular and Special Education Teachers: Its Relation to Contact with Handicapped Students.

Major Adviser: Prof. R. F. Weatherman.

1981. Stacie Lynn Rissmann. B.A.'72, M.Ed.'79, University of Utah.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Role of the School District Attorney in Minnesota.

Major Adviser: Prof. C. P. Hooker.

1981. Herticena Moncure Self. B.S.'54, Lincoln University; B.S.'65, Lincoln University; M.S.'70, Lincoln University.

Major: Educational Administration. Minor: Educational Psychology.

Thesis: A Study of Administrative Models for Serving Emotionally Disturbed Students in the Public Schools of Minnesota.

Major Adviser: Prof. R. F. Weatherman.

1981. Rosa Ann Smith. B.S.'65, M.S.'68, Indiana State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of the Rockefeller Minority Principal Internship Program.

Major Adviser: Prof. N. C. Nickerson.

1981. Christopher George Stapleton. B.A.'49, M.Ed.'56, Lewis and Clark College.

Major: Educational Administration. Minor: Supporting Program. Thesis: Selective Listening Performance and Laterality Characteristics of Achievement Discrepant Fifth Graders.

Major Adviser: Prof. V. L. Hendrix.

1982. Nancy Rose Enger. B.A. cum laude '68, St. Olaf College; M.S.'71, Ed.S.'79, Mankato State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Priority-Performance Perceptions of Women Public Secondary School Principals in Minnesota in Eight Key Areas of Responsibility.

Major Adviser: Prof. N.C. Nickerson.

1982. Carol Joy Ericson. B.S. with distinction '67, M.A.'71, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Determinants of Special Education Compliance Audit Outcomes.

Major Adviser: Prof. R. F. Weatherman.

1982. Donna Kay Fiscus. B.S. with distinction '72, M.A.'79, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Gifted and Non-Gifted Seventh Grade Student Perceptions of Teachers.

Major Adviser: Prof. V. D. Mueller.

1982. Kenneth David Greener. B.A.'64, Wheaton College; M.A.'71, Syracuse University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Institution and Implementation of Goals of the Minnesota Association of Private School Administrators (MAPSA).

Major Adviser: Prof. N. C. Nickerson.

Educational Administration

1982. Mary Elizabeth Griffin. B.A.'71, University of North Dakota; M.Ed.'77, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Relationships Between Perceptions of Collective Bargaining, Management Style, and Job Satisfaction of Mid-Level Administrators in Minnesota's Community Colleges.

Major Adviser: Prof. V. D. Mueller.

*1982. Alfred Arthur Hanner. B.S.'49, St. Cloud State College; M.A.'66, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Project: A Model for Staff Development When Initiating an Independent Study Program.

Major Adviser: Prof. N. C. Nickerson.

1982. Delores Henderson. B.S.'64, Wilberforce University.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of the Relationship Between the Academic Achievement and Self-Concept of Black and White Students Attending High and Low Desegregated Schools in the St. Paul Public School District.

Major Adviser: Prof. C. P. Hooker.

*1982. Judith Ann Herr. B.S.'65, M.S.'67, University of Wisconsin, Stout.

Major: Educational Administration. Minor: Supporting Program. Project: Parenting Education: An Investigation of Parents' Self-Perceived Wants.

Major Adviser: Prof. R. T. Lambert.

1982. Rebecca Ann Howard. B.A. cum laude '65, Radcliffe College;

M.A.T.'68, Harvard University.

Major: Educational Administration. Minor: Child Psychology. Thesis: A Comparison of City Councils and School Boards on Selected Dimensions of Governance Processes.

Major Advisers: Profs. V. D. Mueller and T. L. Mazzoni.

1982. Donald Anthony Johansen. B.S.'51, Bemidji State University;

M.Ed.'58, University of North Dakota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship Among Selected Variables and Elective Course Offerings in Minnesota Small Secondary Schools.

Major Adviser: Prof. N. C. Nickerson.

1982. R. C. Johnson. B.S.'65, Alcorn A & M College; M.Ed.'73, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: History and Change of Suspensions in Minneapolis Public High Schools Since the "Pupil Fair Dismissal Act of 1974".

Major Adviser: Prof. N. C. Nickerson.

1982. Marie Spriggs Jones. B.A.'60, Lake Forest College; M.A.'78, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Collective Bargaining: Perceived Effects on Academic Quality and Institutional Autonomy.

Major Adviser: Prof. W. M. Ammentorp.

1982. Charles Chambers Kerl. B.A.'71, St. Olaf College; M.A.'73, College of St. Thomas.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Secondary School Principals' Perceptions of Collective Bargaining Membership and Organizational Characteristics as Measured by the Profile of a School.

Major Advisers: Profs. G. F. Alkire and N. C. Nickerson.

1982. Barbara Rae Lee. B.A.'64, University of Minnesota; M.S.'71, Mankato State University; M.A.'77, New York University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Organizational Development and Group Perceptions: A Study of Quality Circles.

Major Adviser: Prof. W. M. Ammentorp.

Educational Administration

1982. Dorothy DeAnn Mrkonich. B.S. cum laude '60, St. Olaf College; M.Ed.'71, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Composition, Selection and Member Self-Role Expectations of State Boards of Nursing.
Major Advisers: Profs. V. D. Mueller and T. L. Mazzoni.

1982. Frances Claire Robb. B.S.'70, Winona State University; M.A.'79, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Socio-Technical and Political-Technical Phenomena Associated with Faculty Adoption of Technology: A Delphic Analysis of Faculty Perceptions.
Major Adviser: Prof. R. F. Weatherman.

1982. Marilyn Lukens Seemann-Jones. B.S. with high scholastic honors '69, M.S. '72, St. Cloud State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Organizational Communication Audit Procedures Using Semantic Differential and Content Analysis Techniques.
Major Adviser: Prof. V. D. Mueller.

1982. Oliver W. Spencer, Jr. B.S.'68, Prairie View Agricultural and Mechanical College of Texas; M.A.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Academic Achievement of Students Attending a Fundamental Alternative School in St. Paul.
Major Adviser: Prof. C. P. Hooker.

1982. Laurel Eileen Stulken. B.S.'68, North Dakota State University; M.S.'71, Colorado State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Computer Simulation of Policy Alternatives of the Minnesota 4-H Youth Development Program.
Major Adviser: Prof. W. H. Ammentorp.

1982. Michael Sullivan. B.A.'74, St. John's University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Case Studies of Unappropriated Fund Balance Gain in Five Minnesota School Districts.
Major Adviser: Prof. C. H. Sederberg.

1982. Dorothy Johnson Suomala. B.A.'63, Hamline University; M.A.'68, Moorhead State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Perceived Involvement of PTA/PTSA in Selected Areas by PTA/PTSA Presidents and Elementary Principals in Minnesota School Districts.
Major Advisers: Profs. G. F. Alkire and V. D. Mueller.

*1982. Carl Imanuel Wahlstrom. B.S. with distinction '63, M.A.'67, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: Case Studies of Unappropriated Fund Balance Decline in Five Minnesota School Districts.
Major Advisers: Profs. R. T. Lambert and C. H. Sederberg.

1982. Nancy Wangen. B.S.'77, Mankato State University; M.Ed.'78, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Factors Affecting Teacher Receptivity to Work-Role Change in Small Secondary Schools.
Major Adviser: Prof. V. D. Mueller.

1983. Betty Malen Anderson. B.A. summa cum laude '68, Concordia College; M.Ed.'73, University of North Dakota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Politics of Persistence: The Legislative Process Resulting in Minnesota's Tuition Tax Concession Statutes for Elementary-Secondary Education.
Major Advisers: Profs. V. D. Mueller and T. L. Mazzoni.

* Doctor of Education Degree

Educational Administration

1983. Jon Edward Bathke. B.S. with distinction '75, Spec.Cert. '81, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Relationships Between Collective Bargaining Structures and Collective Bargaining Outcomes for Minnesota Public School Building Administrators. Major Adviser: Prof. T. L. Mazzoni.

1983. Katherine Lynn Beardsley. B.S.'72, Oregon State University; M.A.'77, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship Between Job Satisfaction and Achievement Styles of Clerical Workers.

Major Adviser: Prof. N. C. Nickerson.

1983. Bernard Bromenschenkel. B.S.'69, M.S.'72, St. Cloud State University; Spec.Cert.'78, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of Single and Dual-Parent Students in Regard to School Performance.

Major Adviser: Prof. N. C. Nickerson.

1983. Julie Ann Burmeister. B.S.'72, M.Ed.'75, M.A.'80, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Community School Advisory Council: A Replication Study of Differential Perceptions of Role-Related Tasks.

Major Adviser: Prof. S. H. Popper.

1983. Jeanne Louise Campbell. B.A.'73, University of Oregon; M.A.'78, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Factors and Conditions Influencing Usefulness of Planning, Evaluation, and Reporting in Schools.

Major Adviser: Prof. N. C. Nickerson.

1983. Margaret Helen Carlson. B.S.'65, M.S.'66, Kansas State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship Between Organizational Factors and Perceived Power: A Study of Female Administrators in Minnesota Institutions of Higher Education.

Major Advisers: Profs. V. D. Mueller and T. L. Mazzoni.

*1983. Mary Terrell Charles. B.S.'55, M.Ed.'67, Southern University.

Major: Educational Administration. Minor: Supporting Program. Project: A Comparison of Voluntary and Non-Voluntary Programmatic Desegregation Choice Among Urban High Schools. Major Adviser: Prof. V. D. Mueller.

1983. David Lee Clough. B.S.'68, M.Ed.'71, Spec.'74, University of Nebraska.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Investigation of the Job of the Personnel Generalist in Minnesota Schools.

Major Adviser: Prof. T. L. Mazzoni.

1983. Jay Richard Dewey. B.A. with honors '73, Hamline University; M.A.'78, College of St. Thomas.

Major: Educational Administration. Minor: Computer and Information Sciences. Thesis: The Effectiveness of Interactive Microcomputer-Controlled Video-Tape/Disc Instruction in an Independent Study Environment.

Major Advisers: Profs. W. M. Ammentorp and C. P. Hooker.

*1983. Barry Mark Drevlow. B.S. with scholastic honors '67, M.S.'70, St. Cloud State University.

Major: Educational Administration. Minor: Supporting Program. Project: Some of the Key Elements Which Would Help Junior High School Teachers of Independent School District #279 Improve Their Instructional Skills. Major Adviser: Prof. V. D. Mueller.

* Doctor of Education Degree

Educational Administration

1983. Cynthia Mary Heelan. B.A.'65, Mt. Mary College; M.A.'80, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Factors Related to the Success of Quality Circles.

Major Advisers: Profs. T. L. Mazzoni and D. A. Morgan.

1983. Sharon Ireland Heffelfinger. B.A.'62, Ottawa University; M.A.'68, Ohio State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Administrative Strategies for Improving Student Performance.

Major Adviser: Prof. S. H. Popper.

*1983. Carolyn N. Mortensen. B.S. cum laude '65, Mankato State University; M.S.'70, Wisconsin State University, River Falls, Spec. Cert. '74, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Project: A Comparative Analysis on the Role of One and Two Building Elementary School Principals. Major Adviser: Prof. V. D. Mueller.

1983. Craig Michael Paulson. B.A.'70, Muskingum College; M.A.'77, Spec. Cert. '79, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Adolescent Alienation and Labeling.

Major Adviser: Prof. N. C. Nickerson.

1983. Shirley Ann Polejewski. B.S. cum laude '71, College of Great Falls; M.Acc.'72, Utah State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Accounting Educators: Characteristics, Attitudes, Job Satisfaction and Commitment of Faculties Housed in Degree Granting Programs in a Select Area of the State of Minnesota.

Major Advisers: Profs. D. A. Morgan and W. A. Ammentorp.

1983. John Elbert Regan. B.S.'69, St. Cloud State University; M.A.'77, Spec. Cert. '77, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Duties of Principals and Assistant Principals in Selected Minnesota Public Secondary Schools as Measured by Random Time Sampling.

Major Advisers: Profs. T. L. Mazzoni and N. C. Nickerson.

1983. Jacqueline Webb Richardson. B.S.'69, Morris Brown College; M.S.'71, Fort Valley State College.

Major: Educational Administration. Minor: Supporting Program. Thesis: Judicial Opinions Governing Procedural Due Process in Disciplinary Proceeding Involving Suspension and Expulsion of College Students.

Major Advisers: Profs. C. P. Hooker and D. A. Morgan.

1983. Martha Carolyn Russell. B.A.'69, University of California, Santa Barbara; M.A.'76, University of Minnesota.

Major: Educational Administration. Minor: Home Economics. Thesis: Academic Research Productivity: New Scientists and New Knowledge in A Departmental Economy.

Major Adviser: Prof. V. D. Mueller.

1983. Joan Ardis Sorenson. B.A.'65, Macalester College.

Major: Educational Administration. Minor: Supporting Program. Thesis: Factors Which Superintendents and School Board Chairpersons Perceive Affecting Women's Employment in School Administration.

Major Adviser: Prof. N. C. Nickerson.

1983. Oren Hopkins Steinfeldt. B.B.A.'42, M.B.A.'54, University of Minnesota; L.L.B.'46, University of Southern California.

Major: Educational Administration. Minor: Sociology. Thesis: An Evaluation of the Educational Programs of the Adult Male Penal Institutions of Minnesota's Department of Corrections.

Major Adviser: Prof. C. P. Hooker.

* Doctor of Education Degree

Educational Administration

1983. Mathias Vetter. B.A. with honors '61, St. John's University; M.Ed.'67, University of Alaska; M.A.'68, Illinois Institute of Technology. Major: Educational Administration. Minor: Supporting Program. Thesis: Locus of Administrative Control: An Analysis of Education and Social Service Delivery Systems. Major Adviser: Prof. W. M. Ammentorp.

1983. Richard Allen Weber. B.S.'71, University of Minnesota; M.A.'74, Ed.S.'77, College of St. Thomas. Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of the Political Role Behavior of Local Public School Superintendents. Major Advisers: Profs. C. H. Sederberg and T. L. Mazzoni.

1983. Sandra Jones Woods. B.A.'63, Central State University, Virginia. Major: Educational Administration. Minor: Supporting Program. Thesis: The Impact of Preschool Intervention Upon Early Success in School. Major Adviser: Prof. C. P. Hooker.

1984. Kwabena Ofori Amoh. B.A.'76, Mount Senario College; M.A.'79, Mankato State University. Major: Educational Administration. Minor: Supporting Program. Thesis: Newly Arrived Foreign Students at a U.S. University: Their Adjustment Difficulties and Coping Strategies. Major Advisers: Profs. W. M. Ammentorp and R. M. Paige.

1984. Janice Martha Anderson. B.S.N. with distinction '72, M.S.'74, University of Minnesota. Major: Educational Administration. Minor: Supporting Program. Thesis: The Behavioral Content of the Work of the Minnesota School Nurse. Major Adviser: Prof. V. D. Mueller.

1984. James Maurice Bauck. B.A. magna cum laude '77, Concordia College; M.A.'82, University of Minnesota. Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparative Study of Effective and Typical Middle Level Principals. Major Adviser: Prof. N. C. Nickerson.

1984. Judith Ann Birmingham. B.S.'63, University of Wisconsin, Madison; M.A.'77, Spec. Cert.'82, University of Minnesota. Major: Educational Administration. Minor: Supporting Program. Thesis: Job Satisfaction and Burnout Among Minnesota Teachers. Major Advisers: Profs. G. F. Alkire and T. L. Mazzoni.

1984. Lorraine Joan Boyle. B.S.'70, M.Ed.'76, Spec.Cert.'82, University of Minnesota. Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Variables Related to Successful and Unsuccessful Minnesota Public School Referenda Elections in 1981 and in 1982. Major Advisers: Profs. G. F. Alkire and T. L. Mazzoni.

1984. Gregg A. Butler. B.S.'72, Mount Senario College; M.S.'76, Winona State University. Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship Between School Organizational Patterns and Student Success. Major Adviser: Prof. N. C. Nickerson.

1984. Ken Errol Cooper. B.S.B.A.'61, Bowling Green State University; M.B.A.'62, Miami University, Ohio. Major: Educational Administration. Minor: Supporting Program. Thesis: Estimating Building Repair and Renovation Funding Requirements: Methods Employed by Minnesota Independent Baccalaureate Granting Colleges. Major Adviser: Prof. W. M. Ammentorp.

Educational Administration

1984. Lawrence F. DeNucci. B.A.'71, M.A.'74, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Relationship Between Selected Variables and the Success of Handicapped
Students in Mainstream Classes.
Major Adviser: Prof. W. M. Ammentorp.
1984. Michael John Duane. B.A.'72, Mankato State University; M.A.'75,
M.A.'81, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Determinants of Bargaining Orientation for First-Level Grievance
Representatives at Secondary Buildings in Minnesota.
Major Advisers: Profs. D. A. Morgan and V. D. Mueller.
1984. Ethelind Krawetz Garetz. B.A.'64, University of Minnesota; M.S.'68,
The Municipal University of Omaha.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Effectiveness of Experimental Group Experiences in Positively Affecting
Attitudes Toward Public Education.
Major Advisers: Profs. G. F. Alkire and T. L. Mazzoni.
1984. Sandra Lynne Holbrook. B.A.'63, University of Oregon; M.S.'75,
North Dakota State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Faculty Academic Freedom and the Federal Appellate Courts: Legal Dimensions
of a Professional Concept.
Major Adviser: Prof. V. D. Mueller.
1984. Byong Moon Kim. B.Foreign Trade '72, Myunggi College, Korea;
M.A.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
An Elementary Staff Composition Model Applied to The Case of Declining
Enrollment: Combined Applications of Multiple Regression Analysis and A
System of Linear Ordinary Differential Equations.
Major Adviser: Prof. C. H. Sederberg.
1984. Donna Kay Lander. B.A. with distinction '63, Moorhead State
University; M.Ed.'71, Kutztown State College.
Major: Educational Administration. Minor: Supporting Program. Thesis:
An Analysis of the Adequacy of "Excess Cost" Formulas of Selected States in
Meeting Revenue Requirements for Special Education Services in Six Selected
Minnesota School Districts.
Major Advisers: Profs. N. C. Nickerson and C. H. Sederberg.
1984. Richard Edgar Leahy. B.A.'75, M.A.'76, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Teacher Characteristics and Student Achievement: An Exploration of the
Employment Interview.
Major Advisers: Profs. G. F. Alkire and W. M. Ammentorp.
1984. Deanne Louise Magnusson. B.S. with distinction '59, M.A.'68,
University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
An Analysis of the Effect of Different Peer Performance Discrepancy
Decision Rules on the Proportion of Elementary Students Determined Eligible
for Special Education Assessment in Reading or Math.
Major Adviser: Prof. R. F. Weatherman.
1984. Sister Kevin G. Maiers. B.A.'64, College of St. Benedict; M.A.'72,
University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Relationship of Cognitive-Developmental Moral Judgment and Leader
Behavior of Catholic Elementary School Principals.
Major Adviser: Prof. N. C. Nickerson.

Educational Administration

1984. Ellein Carol McDaniel. B.S.'55, M.S.'67, Mankato State College.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A Study of the Perceptions of Minnesota School Board Members Regarding
Sources of, Importance of, and Need for Information on Issues Pertinent to
Their Work on the Board.
Major Adviser: Prof. V. D. Mueller.

1984. Crystal Mary Meriwether. B.S. with distinction '69, University of
Minnesota; M.A.'78, San Jose State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Women in Educational Administration in Israel and the United States.
Major Adviser: Prof. N. C. Nickerson.

1984. Dennis Robert Morrow. B.A.'75, Spec.Cert.'79, University of
Minnesota; M.A.'76, College of St. Thomas.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Relationship of Impasse Resolutions and School Principals' Job
Satisfaction.
Major Advisers: Profs. T. L. Mazzoni and G. F. Alkire.

1984. Edward Emmanuel Obi-Akatchak. B.S.'79, M.S.'79, Bemidji State
University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A Comparative Analysis of Perceived Job Satisfaction Among Graduate and NCE
Post-Primary School Teachers in Ogoja, Nigeria.
Major Adviser: Prof. S. H. Popper.

*1984. Richard James Rigg. B.S.'57, State Teachers College; M.A.'74,
Spec.Cert.'74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project:
The Relationship Between Female School Board Membership and the Achievement
of Equality in Athletic Opportunities for Female Students in Fifty Small
Minnesota Public School Districts.
Major Adviser: Prof. C. P. Hooker.

1984. Mari C. Shaw. B.S.Ed. honors '71, Valley City State College;
M.S.'77, Mankato State University.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Relationships Between Perceptions of Different Groups of Minnesota AVTI
and Community College Instructional Staff Regarding Selected Issues Rising
from a Possible Merger of the Systems.
Major Advisers: Profs. D. A. Morgan and N. C. Nickerson.

1984. Chung-il Tchoi. B.Law '64, Yonsei University; M.A.'79, University
of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
Dynamic Analysis of Korea's College-Educated Manpower Policy and Design of
the Stable Manpower Production System.
Major Adviser: Prof. W. M. Ammentorp.

1984. Terry George Tofte. B.A.'70, Concordia College; B.S.'72, M.A.'77,
University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
A Delphi Study Identifying Perceived and Desired Future State of Selected
Aspects of the North Central Association Commission on Schools.
Major Adviser: Prof. R. T. Lambert.

1984. Patricia McGinnis Wilhelm. B.A. cum laude '62, Macalester College;
M.A.'69, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis:
The Involvement and Perceived Impact of the Citizens League on Minnesota
State School Policymaking, 1969-1984.
Major Adviser: Prof. T. L. Mazzoni.

* Doctor of Education Degree

Educational Administration

1984. Thomas F. Wilson. B.A.'65, M.A.Ed.'67, University of Northern Iowa; Spec.'77, Mankato State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Minnesota Foundation Maintenance Program: A Model for Improving the Equity for Financing Minnesota's Public Schools.
Major Adviser: Prof. V. D. Mueller.

1984. Janet Lee Witthuhn. B.S. summa cum laude '70, Northland College; M.S.'74, University of Wisconsin, Madison.
Major: Educational Administration. Minor: Supporting Program. Thesis: Patterns of Student Performance on Mathematics Strands for American Indians and Others in a Large Urban School District.
Major Adviser: Prof. W. W. Ammentorp.

*1984. Barbra Ann Zakrajsek. B.S. with honors '70, St. Cloud State College; M.A.'76, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: A Study to Determine the Relationship of Positive Teacher Behavior as Seen in the PATL Project with Student Attendance, Grade Point Average, and Discipline Problems. Major Adviser: Prof. N. C. Nickerson.

1985. Candice Marie Ames. B.S. with high honors '70, M.S. '74, St. Cloud State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: School District Plans: Factors Contributing to Measurable Differences.
Major Adviser: Prof. T. L. Mazzoni.

1985. Edward Charles Anderson. B.S. '70, Mankato State College;
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship between Rates of Absenteeism for Teachers in the State of Minnesota and Negotiated Contract Language.
Major Adviser: Prof. N. C. Nickerson.

1985. Judith Lynn Simms Billings. B.S. '65, Fort Hays Kansas State College; M.S. '74, University of Minnesota.
Major: Educational Administration. Minor: Nursing. Thesis: A Comparison of Roles of Head Nurses According to Hospital Size.
Major Adviser: Prof. V. D. Mueller.

1985. Carol Jean Bryant. B.S. '63, M.A. '81, Spec.Cert. '82, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Decision Orientations of Minnesota State Legislators Relative to the Issue of Educational Quality and Excellence.
Major Adviser: Prof. T. L. Mazzoni.

1985. Dee Dee Christine Carpenter. B.S. '79, University of Wisconsin, Madison; M.S.T. '75, University of Wisconsin, Eau Claire.
Major: Educational Administration. Minor: Supporting Program. Thesis: Minnesota Superintendents' Perceptions of Their Role and Influence in School Board Agenda Setting.
Major Advisers: Profs. V. D. Mueller and T. L. Mazzoni.

1985. Guey-Fa Chiou. B.Ed. '77, M.Ed. '81, National Taiwan Normal University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Students' Perceptions of Classroom Environment and the Quality of School Life.
Major Adviser: Prof. V. L. Hendrix.

1985. Linda R. Christensen. B.S. cum laude '74, Bemidji State College; M.Ed. '81, University of Minnesota, Duluth.
Major: Educational Administration. Minor: Supporting Program. Thesis: Drug and Alcohol Education in Minnesota K-6 Public Schools.
Major Adviser: Prof. N. C. Nickerson.

* Doctor of Education Degree

Educational Administration

1985. Kathleen G. Dineen. B.S.N. '68, University of the Philippines; M.S.N. '72, The Catholic University of America.
Major: Educational Administration. Minor: Supporting Program. Thesis: An Administrative Study of Professionalism and Autonomy Among Select Groups of Nurses in Practice: An Analysis of Two Socialization Modes in Nursing.
Major Adviser: Prof. S. H. Popper.

1985. Adella Bennett Espelien. B.S. with high distinction '56, M.A. '58, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship of Job Stress/Burnout, Family Life Events, Coping Methods, and Selected Variables for Deans in Baccalaureate Nursing Programs.
Major Adviser: Prof. V. D. Mueller.

1985. Clark Neil Evans. A.B. '72, A.M. '75, University of South Dakota, Vermillion; M.S.Ed. '75, Northern State College.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship of Preventive Law Practices to Minnesota School Board Legal Problems.
Major Adviser: Prof. T. L. Mazzoni.

1985. Jane Malin Flynn. B.A. '62, College of Saint Teresa; M.S. '75, Northeastern Illinois University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Administrative Implications of Assessment Practices in Special Education: Identification of Learning Disabled Children Through Spectral Analysis Electroencephalography and Traditional Psycho-Educational Measures.
Major Adviser: Prof. R. F. Weatherman.

*1985. Irving Leon Gray. B.S.Ed. '71, Trenton State College; M.S. '74, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Project: The Relationship Between Teacher Beliefs About Outcome-Based Instruction and Inservice Training Activities.
Major Adviser: Prof. N. C. Nickerson.

1985. Prudence Joanne Gushwa. B.A. '64, University of Hawaii; M.A. '72, Spec.Cert. '78, Mankato State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparative Case Study of Three Minnesota School Districts Employing the Four-Day-Week During 1982-1983.
Major Adviser: Prof. V. D. Mueller.

1985. Cheryl Rose Hamilton. B.S. magna cum laude '75, M.A. '77, Eastern Michigan University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Factors Influencing Administrative and Instructional Use of Computers in Independent Schools.
Major Adviser: Prof. V. D. Mueller.

1985. Steven Arnold Kaatz. B.A. '70, Concordia Teachers College; M.S.Ed. '75, University of Wisconsin, Eau Claire.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Description and Analysis of Federal Court Decisions Issued Under the Related Services Provision of the Education for All Handicapped Children Act.
Major Advisers: Profs. R. F. Weatherman and C. P. Hooker.

1985. Barbara Jean Keinath. B.A. with honors '73, M.A. '76, Michigan State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of the Strategic Planning Processes of Six State Universities Using Chaffee's Strategy Models.
Major Advisers: Profs. W. M. Ammentorp and B. B. Pillinger.

* Doctor of Education Degree

Educational Administration

1985. Nancy Jane Latini. B.S. '65, University of Minnesota; M.S. '75, St. Cloud State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Case Study of the Decision Processes by Which Handicapped Junior High School Students are Referred to More Restrictive Educational Settings. Major Adviser: Prof. R. F. Weatherman.

1985. Dorothy Ann LeGault. B.S. '57, University of Minnesota; M.A. '71, New Mexico Highlands University.

Major: Educational Administration. Minor: Supporting Program. Thesis: An Analysis of the Relationship of One- and Two-Parent Family Students with Junior High School Academic Achievement, Attendance, Discipline, and Extracurricular Participation. Major Adviser: Prof. N. C. Nickerson.

*1985. Richard William Magnuson. B.S. '67, University of Minnesota, Duluth.

Major: Educational Administration. Minor: Supporting Program. Project: The Perceptions of Union and Management Educational Negotiators on the Effect of Wisconsin's Arbitration Law on the Negotiation Process. Major Adviser: Prof. C. P. Hooker.

1985. Nancy Sue Malcolm. B.S. '63, University of Colorado; M.P.H. '69, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Computer Simulation of Nursing Education Policy in Minnesota: Impact of the Baccalaureate Degree Requirement for Professional Nursing Practice. Major Adviser: Prof. W. M. Ammentorp.

1985. Lester Leon Martisko. B.A. '66, West Virginia Wesleyan; M.S. '68, University of Omaha; Spec.Cert. '75, Mankato State University.

Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of Educational Cooperative Service Units in Minnesota: Mission as Perceived by Board Members and Directors. Major Adviser: Prof. R. F. Weatherman.

1985. Samuel Barilekaana Nwideduh. B.A. '77, M.S.Ed. '78, Indiana University.

Major: Educational Administration. Minor: Supporting Program. Thesis: Computer Simulation and Historical Methods: A Case of Nigerian Education. Major Adviser: Prof. W. M. Ammentorp.

1985. Dennis Toskas. B.A. cum laude '68, B.S. '70. M.A. '72, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: The Teacher Bargaining Team in Minnesota Public Schools. Major Adviser: Prof. V. D. Mueller.

1985. Elizabeth N. Vukeh. B.A. with highest honor '81, Morgan State University; M.A. '82, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Communication Problems of West African Students at the University of Minnesota. Major Adviser: Prof. N. C. Nickerson.

1985. Michael George White. B.S. '69, Wisconsin State College, Eau Claire; M.A. '76, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Teacher Participation in Secondary School Decision-Making and Its Relationship to the Perceived Leadership Style and Effectiveness of Principals. Major Advisers: Profs. T. L. Mazzoni and N. C. Nickerson.

1986. Judith Ann Anderson. B.A. '68, College of St. Catherine; Spec.Cert. '84, University of Minnesota.

Major: Educational Administration. Minor: Supporting Program. Thesis: Microcomputer Exposure Related to Elementary Teacher Concerns About the Educational Use of Microcomputers. Major Adviser: Prof. V. D. Mueller.

* Doctor of Education Degree

Educational Administration

1986. John Wesley Bennett. B.S. '58, Southern University Baton Rouge; M.A. '77, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Study of the Consequences of Evaluation/Accreditation of Selected North Central Association Elementary Schools in Minnesota.
Major Adviser: Prof. R. T. Lambert.
1986. Bernice E. Berns. B.A. '71, College of Saint Teresa; M.S. '74, M.S. '77, St. Cloud State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Relationship Between Teacher Perception of Change and Teacher Morale.
Major Adviser: Prof. N. C. Nickerson.
1986. Albert Wayne Bruce. B.S.Med. '70, University of North Dakota; M.S. '75, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: Training Designs for Continuing Education: Evaluating CAI for Clinical Laboratory Personnel.
Major Adviser: Prof. W. M. Ammentorp.
1986. Dorothy Paulette Chaffin. B.S. '65, Oklahoma State University; M.S. '67, University of Illinois.
Major: Educational Administration. Minor: Supporting Program. Thesis: Adult Students in Post-Secondary Education: A Path Analysis of Factors Associated with Academic Performance.
Major Adviser: Prof. W. M. Ammentorp.
1986. Carole Ann Gupton. B.S. '67, University of Wisconsin, Milwaukee; M.S. '78, Mankato State University.
Major: Educational Administration. Minor: Supporting Program. Thesis: Self-Analysis of the Organization as a Means of Developing an Effective Staff Development Plan.
Major Adviser: Prof. R. F. Weatherman.
1986. Scott Alan Halverson. B.S. '75, M.S.Ed. '78, University of Wisconsin, River Falls.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Effects of Campaign Management on the Success/Failure of School Facility Bond Issues.
Major Adviser: Prof. V. D. Mueller.
1986. Mary Turner Maher. B.A. with honor '74, Hamline University; M.S.Ed. '75, University of Wisconsin, River Falls.
Major: Educational Administration. Minor: Supporting Program. Thesis: Leadership Styles and Beliefs in Education of Minnesota School Superintendents.
Major Adviser: Prof. V. D. Mueller.
1986. Elizabeth Ann Pawlitschek. B.A. '70, The College of St. Catherine; M.A. '76, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: A Comparison of Unlicensed to Licensed Building-Level Public School Administrators: Their Roles and Effectiveness.
Major Adviser: Prof. N. C. Nickerson.
1986. Stephen H. Porter. B.A. '74, Southwest State University; M.A. '80, University of Minnesota.
Major: Educational Administration. Minor: Supporting Program. Thesis: The Clinical Process and Client Satisfaction.
Major Adviser: Prof. V. D. Mueller.

Educational Psychology

1976. Prabha Appasamy. B.A.'69, University of Madras; M.A.'72, University of Delhi.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of the Effectiveness of Didactic and Experiential Methods of Teaching Two Interpersonal Helping Skills.

Major Adviser: Prof. C. A. Parker.

1976. Joseph Ernest Bernier, Jr. B.A.'73, Westfield State College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Psychological Education Intervention for Teacher Development.

Major Adviser: Prof. N. A. Sprinthall.

1976. Mary Lee Enfield. B.S.'54, Concordia College; Spec.Cert.'66, University of Minnesota.

Major: Educational Psychology. Minor: Curriculum and Instruction.

Thesis: An Alternate Classroom Approach to Meeting Special Learning Needs of Children with Reading Problems.

Major Adviser: Prof. D. G. Force, Jr.

1976. Robert David Enright. B.A.'73, Westfield State College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Experimental Analysis of a Social Cognitive Model Through a Cross-Age Training Program.

Major Advisers: Profs. V. L. Erickson and N. A. Sprinthall.

1976. Phyllis Elaine Fischer. B.S. with distinction '67, M.A.'72, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of Paired Associate and Concept Training Procedures for the Acquisition of Decoding Skills in Reading among Unsuccessful Readers in Primary Grades.

Major Adviser: Prof. B. E. Balow.

1976. Antoine Michael Garibaldi. B.A.'73, Howard University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Cooperation, Competition, and Locus of Control in Afro-American Students.

Major Adviser: Prof. D. W. Johnson.

1976. V. Katherine Gray. B.B.A.'69, Marshall University; M.A.'72, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Formulation and Validation of a Rule Abstraction Series Test.

Major Adviser: Prof. W. M. Bart.

1976. Arlyne Jeane Gutmann. B.A.'69, Lawrence University; M.A.'73, Western Michigan University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Production of Illustrative Hand and Arm Gestures by Mothers Communicating with Their Children as Related to Sex and Age of the Children and Task Requirements.

Major Adviser: Prof. J. E. Turnure.

1976. Sharol Faye Plooster Jacobson. B.S.N. summa cum laude '62, Hamline University; M.Ed.'64, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Stresses and Coping Strategies of Neonatal Intensive Care Unit Nurses.

Major Adviser: Prof. M. E. Corcoran.

1976. Karen Lee Larson Mokros. B.S.N.'64, M.A.'72, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Threat Control Information and Sensory Information on Emotional Response During a Noxious Medical Examination.

Major Adviser: Prof. M. E. Corcoran.

Educational Psychology

1976. Somwung Pitiyanuwat. B.Ed.'69, M.Ed.'71, Chulalongkorn University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Relationships among Attitudes, Social Normative Beliefs, Achievement Intentions and Achievement Behavior in Mathematics. Major Advisers: Profs. M. E. Corcoran and M. L. Davison.
1976. Stephen Earle Robbins. B.A.'67, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: Time and Memory: The Basis for a Semantic-Directed Processor and Its Meaning for Education. Major Adviser: Prof. P. E. Johnson.
1976. Anthony John Michael Thompson. B.A.'64, University of Reading. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of the Effect of Having a Trainee Co-Counsel with a Live Model During a Microcounseling Practice Session. Major Advisers: Profs. D. H. Blocher and W. W. Tennyson.
1977. Orlo Blaine Austin. B.S.'63, Mankato State College; M.A.'72, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of Personality Characteristics of Financially Independent Students, Students from Low-Income Families, and Students Who Are Partially Dependent on Parental Financial Resources. Major Adviser: Prof. A. L. Raygor.
1977. George Mott Bass, Jr. B.A.'69, Yale University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Design of Task Environments for Evaluation of Medical Diagnosis. Major Adviser: Prof. P. E. Johnson.
1977. Joan Baker Churchill. B.S. with distinction '61, M.A.'66, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: Cognitive Style and Birth Order: The Intellectual Responses of First Borns and Third Borns to Two Hypothetical Dilemmas. Major Adviser: Prof. A. R. Anderson.
1977. Charlotte Rose Clark. A.B.'54, University of Chattanooga; M.A.'62, George Peabody College. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparative Study of Young Children's Ease of Learning Words Represented in the Graphic Systems of Rebus, Bliss, Carrier-Peak and Traditional Orthography. Major Adviser: Prof. D. F. Moores.
1977. Lucille Ione Sewing Cooper. B.S.'49, Lincoln University; M.A.'69, St. Cloud State College; Spec.Cert.'74, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Cooperation, Competition, and Individualization on Interethnic Attitudes among Students, Student Attitudes Toward School, and Student Achievement. Major Advisers: Profs. F. B. Wilderson, Jr. and D. W. Johnson.
1977. Bong-soo Eun. B.A.'60, Seoul National University; M.Ed.'66, University of Hawaii. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Multiple Discriminant Analysis of Career Maturity-Related Variables of General College Students at the University of Minnesota. Major Adviser: Prof. Henry Borow.
1977. Bernadine Margaret Feldman. B.S. with distinction '60, M.A.'66, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: Factors Associated with Changes in Time-Task Allocation of Physicians in Rural Health Care Settings. Major Adviser: Prof. W. W. Welch.

Educational Psychology

1977. Marilyn Wilson Goodwin. B.S.Ed.'67, State University College at Buffalo; M.A.'71, Newark State College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Achievement and Perceptions of School Performance of Black Youth as Related to Conceptual Level and Locus of Control.
Major Advisers: Profs. R. W. McCauley and F. H. Wood.
1977. Keith Bertram Higgins. A.B.'72, Cornell University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Extrinsic Reinforcement on Intrinsic Motivation as a Function of Type of Reinforcement and Initial Level of Motivation.
Major Adviser: Prof. R. A. Weinberg.
1977. Dona Friedman Gordon Icabone. B.S.'65, M.Ed.'66, Pennsylvania State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Eye Scanning Strategies of Retarded and Normal Individuals and Their Relation to a Cognitive Task.
Major Adviser: Prof. F. H. Wood.
1977. Patricia Margaret Brown King. B.A.'72, Macalester College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Development of Reflective Judgement and Formal Operational Thinking in Adolescents and Young Adults.
Major Advisers: Profs. C. A. Parker and J. A. Rest.
1977. Jean Marie Kummerow. A.B.'71, Grinnell College; M.A.'74, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Adult Development: Life-Stage and Age-Group Characteristics of a Sample of Adults Ages 23-38.
Major Advisers: Profs. W. F. Shaffer and T. J. Hummel.
1977. Kaustubh Trimbak Lele. B.S.(Elec.)'66, Maharaja Sayajirao University of Baroda; M.S.'68, University of California, Berkeley.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Comparison of Ordering Theory and Classical Theory.
Major Adviser: Prof. J. S. Terwilliger.
1977. Jed Lewis. A.B. with high honors '67, Rutgers University; M.S.'69, University of Minnesota.
Major: Educational Psychology. Minor: Psychology. Thesis: What Is Learned in Expository Learning and Learning by Doing?
Major Adviser: Prof. P. E. Johnson.
1977. Christine Mueller McCormick. B.S.Ed.'69, Valparaiso University; M.Ed.'70, Xavier University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Speed and Accuracy of Word Recognition and Comprehension in Beginning Readers.
Major Adviser: Prof. S. J. Samuels.
1977. Ann Nevin. B.A. magna cum laude '60, Westminster College; M.Ed.'70, University of Vermont.
Major: Educational Psychology. Minor: Educational Administration. Thesis: Special Education Competencies Required of General Education Administrators in Vermont School Districts.
Major Adviser: Prof. M. C. Reynolds.
1977. Stephen Winterer Olmsted. A.B.'58, Stanford University; M.A.'65, University of Minnesota.
Major: Educational Psychology. Minor: Psychology. Thesis: An Investigation of the Relationships Between Willingness to Take Risks and Originality.
Major Adviser: Prof. B. R. Egeland.

Educational Psychology

1977. Robert Arthur Reineke. B.A.'64, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Development and Pilot Testing of an Evaluation Guide for Directors of a Class of Federally Funded Projects.
Major Adviser: Prof. W. W. Welch.
1977. Paul Thomas Sindelar. B.A.'69, Dartmouth College; M.S.'74, University of Illinois.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Hypothesis/Test and Fluency Training, Cross-Aged Tutoring and Small Group Instruction on Reading Skills.
Major Adviser: Prof. S. L. Deno.
1977. Lewis Richard Stern. B.A. magna cum laude '73, University of Massachusetts; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Self-Esteem and Video-Self-Confrontation.
Major Adviser: Prof. W. F. Shaffer.
1977. Richard John Thoni. B.A. magna cum laude '66, St. Olaf College.
Major: Educational Psychology. Minor: Psychology. Thesis: Differential Effects of Selected Guidance Strategies on Developmental Change in College Students.
Major Adviser: Prof. W. W. Tennyson.
1977. Anita Bracy Tucker. B.A.'50, Fisk University; M.S.W.'71, University of Minnesota.
Major: Educational Psychology. Minor: Social Work. Thesis: Empathy Training for Undergraduate College Students in a Cross-Cultural Milieu: A Cognitive-Developmental Curriculum Intervention Through Psychological Education.
Major Adviser: Prof. N. A. Sprinthall.
1977. William Henry Ward, Jr. B.S.'68, Rensselaer Polytechnic Institute; M.S.'73, State University of New York at Albany.
Major: Educational Psychology. Minor: Educational Administration.
Thesis: Development and Feasibility Test of a Decision Theory-Based Strategy to Produce Information Useful in Educational Decision-Making.
Major Adviser: Prof. W. W. Welch.
1977. Mary Kay Tyler Zabel. A.B.'69, Grinnell College; M.A.T.'71, National College of Education.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Non-Verbal Behavior of Normal and Emotionally Disturbed Pre-School Children in Dominance Relationships; an Ethological Study.
Major Adviser: Prof. F. H. Wood.
1977. Robert Herman Zabel. A.B.'69, Grinnell College; M.Ed.'73, National College of Education.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Recognition of Emotions in Facial Expressions by Emotionally Disturbed and Non-Disturbed Children.
Major Adviser: Prof. F. H. Wood.
1978. Lynne Ann Tarrow Blum. B.S.'70, Syracuse University; M.S.'72, University of Pennsylvania; M.A.'75, College of St. Thomas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Model of Transition Mainstreaming: A Cross-Cognitive Tutor Program.
Major Advisers: Profs. N. A. Sprinthall and J. E. Ysseldyke.
1978. Polly Anna Quick Brown. B.S. '71, M.Ed.'72, Howard University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of the Effects of Conceptual Systems and Open vs. Traditional Classroom Environments on Elementary Students' Locus of Control and Self-Concept.
Major Advisers: Profs. M. D. Hall and N. A. Sprinthall.

Educational Psychology

1978. Edmond Joseph Coleman. B.A.'70, Marquette University; M.S.'71, Wisconsin State University, Oshkosh.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Communication Skills Training on the Outcome of a Sex Counseling Program.
Major Adviser: Prof. C. A. Parker.
1978. Nelson Hector de Jesus. B.A.'73, University of Rochester.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Ethnicity of Examiner and Language of Instructions on the Test Performance of Latino Children.
Major Adviser: Prof. R. A. Weinberg.
1978. Geoffrey Fowler Evans. A.B.'61, Stanford University; M.Ed.'70, Pennsylvania State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Impact of Counselor/Client Value Discrepancy on Quality of Counselor Participation and Counselor Cognitive Complexity.
Major Adviser: Prof. C. A. Parker.
1978. Herbert Adolph Exum. B.A.'72, Federal City College; M.A.'74, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Cross-Age and Peer Teaching: A Deliberate Psychological Education Program for Junior College Students.
Major Adviser: Prof. N. A. Sprinthall.
1978. Douglas Henry Fuchs. B.A.'72, Johns Hopkins University; M.S.'73, University of Pennsylvania.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Reading Gain and School Behavior among Fourth, Fifth, and Sixth Grade Disabled Readers.
Major Adviser: Prof. B. R. Balow.
1978. Susan Nelson Goldsmith. B.A. with honors '72, University of Texas; M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Personality, Ego Development and Moral Reasoning Differences Between Feminists and Non-Feminists.
Major Adviser: Prof. C. A. Parker.
1978. Leah Mary Stanton Harvey. B.A.'71, University of Minnesota.
Major: Educational Psychology. Minor: Public Affairs. Thesis: An Analysis of the Effectiveness of Least Squares, Ridge and Robust Regression Techniques in Analyzing Data from a Remedial Reading Program.
Major Adviser: Prof. R. O. Collier, Jr.
1978. Barbara LaBree Heath. B.A. with distinction '69, M.Ed.'70, University of Maine.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Application of Verbal Self-Instructional Procedures to Classroom Behavior Management.
Major Adviser: Prof. B. R. Egeland.
1978. Mary Joann Lamb Hoaglund. B.A.'46, Wellesley College; Ed.M.'72, Temple University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Evaluation of Two Methods of Investigating Parental Decision Making.
Major Adviser: Prof. M. E. Corcoran.
1978. Robert James Hoffmeister. B.A. with honors '71, University of Connecticut; M.Ed.'71, University of Arizona.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Development of Demonstrative Pronouns, Locatives and Personal Pronouns in the Acquisition of American Sign Language by Deaf Children of Deaf Parents.
Major Adviser: Prof. D. F. Moores.

Educational Psychology

1978. Karen Strohm Kitchener. B.A.'65, University of California, Santa Barbara; M.A.'70, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Intellectual Development in Late Adolescents and Young Adults: Reflective Judgement and Verbal Reasoning.
Major Advisers: Profs. C. A. Parker and M. L. Davison.
1978. Duane Edward Lakin. B.A. cum laude '70, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of the Relationship Between Conceptual Development and Self-Inquiry Training of In-Service Teachers.
Major Adviser: Prof. R. A. Weinberg.
1978. Phyllis Korduner Mirkin. B.S. in Ed.'52, City College of New York; M.A.'74, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of the Effects of Three Formative Evaluation Strategies and Contingent Consequences on Reading Performance.
Major Adviser: Prof. S. L. Deno.
1978. Guynel Marie Fox Reid. B.S. cum laude '69, M.S.'70, Mankato State College; Spec.Cert.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparative Analysis of Selected Characteristics of Mildly Mentally Retarded Adolescents and Their Subsequent Adult Status.
Major Adviser: Prof. B. R. Balow.
1978. Charles Robert Ridley. A.B.'70, Taylor University; M.A.'71, Ball State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Diagnosis as a Function of Race Pairing and Client Self-Disclosure.
Major Adviser: Prof. N. A. Sprinthall.
1978. Nancy Jeanne Short. B.S. with distinction '68, M.A.'69, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effect of Task Analysis on Learning Time and Retention in Mentally Retarded and Normal Children.
Major Adviser: Prof. B. R. Balow
1978. Sharon Louise Studer. B.A. with distinction '73, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Validity Study of a Measure of "Readiness for Evaluation".
Major Adviser: Prof. M. E. Corcoran.
1978. David Byron Swanson. B.A. summa cum laude '71, University of Minnesota.
Major: Educational Psychology. Minor: Computer and Information Sciences. Thesis: Computer Simulation of Expert Problem Solving in Medical Diagnosis.
Major Adviser: Prof. P. E. Johnson.
1978. Carol Elaine Smith Witherell. B.S.'63, Skidmore College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Developmental Analysis of Teachers' Classroom Behavior, Conceptions of Teaching, and Psychological Constructs: Five Case Studies.
Major Advisers: Profs. R. A. Weinberg and V. L. Erickson.
1979. Thomas Eugene Allen. B.A. magna cum laude '73, Kenyon College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Students' Predispositions Toward Achievement, Their Causal Attributions of Success and Failure, and Classroom Structural Variables as Predictors of Continuing Motivation.
Major Advisers: Profs. D. W. Johnson and G. M. Maruyama.

Educational Psychology

1979. Cecil Austin. B.E.'68, Wisconsin State University, Whitewater; M.S.'73, University of Wisconsin, Milwaukee.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Monitoring and Facilitation of Reading Growth.
Major Adviser: Prof. F. H. Wood.
1979. Patricia Anne Widdoes Bielke. B.A. cum laude '71, Carleton College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship of Maternal Ego Development to Parenting Behavior and Attitudes.
Major Advisers: Profs. B. R. Egeland and N. A. Sprinthall.
1979. Carol Robin Boucher. B.A.'64, University of Maryland; M.Ed.'68, Boston College; Spec.Cert.'77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Influence of Information about Handicap Labeling and Child Characteristics on Teacher Decision-Making Appropriate for Individualized Education Programming.
Major Adviser: Prof. S. L. Deno.
1979. Rochelle Ann Jankovich Brandl. B.A.'60, College of St. Catherine; M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Revision and a Study of the Reliability of a Battery of Tests to Measure Visual Information Processing.
Major Adviser: Prof. B. R. Egeland.
1979. Hong Kyoo Byun. B.A.'58, Seoul National University; M.A.'70, Chon-Puk National University; M.A.'74, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Analysis of Korean Teachers' Competency for Learning and Behavioral Disabilities.
Major Adviser: Prof. D. G. Force, Jr.
1979. Berttram Chiang. B.A.'67, M.A.'72, National Taiwan Normal University; M.S.Ed.'74, Illinois State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Learning and Transfer Effects of Word Structure and Phonics Training with First Grade and Learning Disabilities Program Students.
Major Adviser: Prof. S. L. Deno.
1979. Barbara French Dickey. B.A.'57, University of Arizona; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Utilization of Evaluations of Small Scale Innovative Educational Projects.
Major Adviser: Prof. M. E. Corcoran.
1979. Charlene V. Petersen Follett. B.A. cum laude '56, M.A.'71, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of the Relationships of Sex-Role Self-Concept, Career Salience, and Related Variables in Female and Male College of Agriculture Graduates.
Major Advisers: Profs. L. S. Hansen and A. L. Raygor.
1979. Marjorie Fugate Fruin. B.S.'52, Southern Illinois University; M.S.'59, University of Illinois; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Immediate Knowledge of Results and Text Anxiety on Achievement Test Performance in a College Classroom Setting.
Major Adviser: Prof. J. E. Stecklein.

Educational Psychology

1979. Elizabeth Maria Pinheiro Gama. Diploma de Bacharel em Pedagogia '69, Universidade Federal do Espírito Santo; M.A.'73, Spec.Cert.'73, University of Minnesota.
Major: Educational Psychology. Minor: Psychology. Thesis: Differential Effects of Achievement and Affiliation Arousal on Achievement of Females of Differing Motivational Configurations.
Major Adviser: Prof. L. S. Hansen.
1979. Margaret Anne Getman. B.A.'71, Skidmore College; M.A.T.'73, Colgate University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Correlates of Early Reading.
Major Adviser: Prof. R. A. Weinberg.
1979. James Mitchell Harper. B.S.'74, M.S.'76, Brigham Young University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Fitting a Markov Chain Model to Complementary, Symmetrical, and Parallel Relationship Styles in Marital Dyads.
Major Adviser: Prof. A. R. Anderson.
1979. Florence Adele Hauber. B.A.'65, M.A.'71, University of Minnesota.
Major: Educational Psychology. Minor: Child Psychology. Thesis: Memory in Young Children as a Function of Type of Orienting Task and Retrieval Cue.
Major Adviser: Prof. J. E. Turnure.
1979. Linda J. Jones. B.A.'70, Emory University; M.Ed.'72, Georgia State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Career Planning for Employed Women: A Counseling Intervention and Evaluation.
Major Adviser: Prof. M. L. Snoke.
1979. Jeanette Alice Lawrence. B.A. with honours '74, University of Sydney.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Component Procedures of Moral Judgment-Making.
Major Adviser: Prof. J. R. Rest.
1979. Patrick Domenic Leone. B.A. with distinction '73, Colorado State University; M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Cognitive Development and the College Student Paraprofessional.
Major Adviser: Prof. N. A. Sprinthall.
1979. Janice Bear Mandernach. A.B.'66, University of Illinois.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Use of Reasoning Procedures in Medical Problem Solving.
Major Adviser: Prof. P. E. Johnson.
1979. Paul Allan Olson. B.A. cum laude '67, M.A.'72, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of Couples' Conflict Management Skills and Marital Satisfaction.
Major Adviser: Prof. W. W. Tennyson.
1979. Sharon Isabel Purdie. B.A. magna cum laude '74, Wesleyan University.
Major: Educational Psychology. Minor: Child Psychology. Thesis: Children's Processing of Motive Information in a Televised Portrayal.
Major Advisers: Profs. D. W. Johnson and W. A. Collins.

Educational Psychology

1979. Linda Wade Delmore Skon. B.A. with highest honors '73, Bethel College; M.A.'77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Cooperative, Competitive, and Individualistic Learning Situations on Achievement and Reasoning Processes.
Major Adviser: Prof. D. W. Johnson.
1979. Judith Ann Bavis Steller. A.B.'58, Oberlin College; M.A.'67, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Couples Communication Training upon Individualized Goals, Marriage Adjustment, Self Disclosure, and the Use of Communication Skills by Married Couples.
Major Adviser: Prof. C. A. Parker.
1979. Suzanne Marie Swanson. B.A.'71, M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Exploratory Study of Temporizing, the Process of Delaying Commitment.
Major Adviser: Prof. C. A. Parker.
1979. Elizabeth Reynolds Welfel. A.B.'71, Emmanuel College; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Development of Reflective Judgment: Its Relationship to Year in College, Major Field, Academic Performance, and Satisfaction with Major among College Students.
Major Adviser: Prof. W. F. Shaffer.
1980. Roger Kay Allen. B.S. summa cum laude '75, Brigham Young University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Contribution of Counselor Development to Various Measures of Counselor Performance.
Major Adviser: Prof. A. R. Anderson.
1980. Lauren Kay Schmick Andersen. B.S. with honors '70, University of Delaware; M.A.'72, New York University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Careers of Adult Women: Psychological Profiles from a Developmental Perspective.
Major Adviser: Prof. N. A. Sprinthall.
1980. Jennifer J. Anderson. B.A. summa cum laude '73, University of Minnesota; M.S.'75, University of Wisconsin.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Imagery and Behavior Change.
Major Adviser: Prof. A. R. Anderson.
1980. Mary Margaret Knutson Brabeck. B.A.'67, University of Minnesota; M.S.'70, St. Cloud State College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Critical Thinking Skills and Development of Reflective Judgment among Adolescent and Adult Women.
Major Adviser: Prof. C. A. Parker.
1980. Sharon Marie Burke. B.A.'69, Mount Mary College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Relationships Across Domains of Development at the Elementary School Level.
Major Adviser: Prof. N. A. Sprinthall.
1980. Stephen Alan Carlson. B.A.'60, Gustavus Adolphus College; M.S.'67, Mankato State College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Pre-practice Reading and Selected Materials on Oral Reading Rates of Learning Disabled, Junior High School Boys.
Major Adviser: Prof. Dewey Force, Jr.

Educational Psychology

1980. Andrew Robert Carman. A.B.'73, University of California, Berkeley; M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Applied Relaxation Training on Chronic Anxiety.
Major Adviser: Prof. A. R. Anderson.
1980. Susan Lee Colby. A.B.'73, Washington University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Structural Developmental Analysis of Psychiatry Residents' Development.
Major Advisers: Profs. V. L. Erickson and C. A. Parker.
1980. John Paul Ellis. B.A.'70, Macalester College; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Representational Systems: An Investigation of Sensory Predicate Use in a Self-Disclosure Interview.
Major Adviser: Prof. A. R. Anderson.
1980. Corrine O'Neill Geiger. B.A. cum laude '68, University of Minnesota; M.S.'70, University of Wisconsin.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Marital and Job Satisfaction as a Function of Occupation/Family Workload Distribution.
Major Adviser: Prof. L. S. Hansen.
1980. Timothy Lynn Hatfield. A.B. cum laude '67, M.E.'69, Harvard University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Alternate Generation Education: A Developmental Curriculum for Secondary Schools.
Major Advisers: Profs. N. A. Sprinthall and L. S. Hansen.
1980. Sigurd Manfred Oswald Hoppe. B.A.'55, Ohio Wesleyan University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Child Sociability as Function of Attributed Peer Acceptance.
Major Advisers: Profs. M. D. Hall and S. G. Moore.
1980. Lyle Steven Joffe. B.E.S. summa cum laude '75, University of Minnesota; M.S.'77, University of Wisconsin.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Quality of Mother-Infant Attachment and Its Relationship to Compliance with Maternal Commands and Prohibitions.
Major Adviser: Prof. B. R. Egeland.
1980. Diane Arlene Johnson. B.A.'65, B.S.'68, M.A.'72, University of Minnesota.
Major: Educational Psychology. Minor: Psychology. Thesis: An Alternative Approach to the Training of Psychotherapists: An Evaluation.
Major Adviser: Prof. L. S. Hansen.
1980. Jeanne Marie Hurley Jones. B.A.'64, College of St. Catherine.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Shameproneness in Mothers and Their Daughters and the Dynamics of Shame in Mothers' and Daughters' Verbal Interactions.
Major Adviser: Prof. A. R. Anderson.
1980. Jane M. Lawson. A.B.'62, Webster College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Graduate Education and the Development of Reflective Judgment: A Function of Age or Educational Experience.
Major Adviser: Prof. Theda Hagenah.
1980. Patricia Alling Miller Libbey. B.S.'60, University of Wisconsin; M.A.'61, Harvard University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Teachers' Conceptions of Discipline: A Cognitive-Developmental Framework.
Major Adviser: Prof. N. A. Sprinthall.

Educational Psychology

1980. Meryl Esta Lipton. B.A.'68, Queens College; M.S.'69, Yeshiva University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Differential Dose Effects of Methylphenidate on Hyperactive Children and Their Mothers.
Major Adviser: Prof. F. H. Wood.

1980. Susan Mary Lund. B.A. summa cum laude '73, M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Group Decisionmaking: The Effects of Controversy and Systematic Evaluation on Vigilant Information Processing.
Major Adviser: Prof. D. W. Johnson.

1980. Maria Juliana Maestas y Moores. B.A.'58, University of Denver; M.S.'59, Gallaudet College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Descriptive Study of Communication Modes and Pragmatic Functions Used by Three Prelinguistic, Profoundly Deaf Mothers with Their Infants One to Six Months of Age in Their Homes.
Major Adviser: Prof. R. A. Rubin.

1980. James Francis McAndrew. B.S.'73, University of Scranton.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relative Efficacy of Covert and Overt Conditioning Procedures in Modifying Verbal and Pain Tolerance Behavior.
Major Advisers: Profs. D. H. Anderson and A. A. Norem-Hebeisen

1980. Bonnie Lou Schoenfelder Mikkelsen. B.S.'69, Bethel College; M.S.Ed.'71, B.S. cum laude '73, Bemidji State College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Construing of Friendship and Its Relationship to the Development of the Ego.
Major Adviser: Prof. N. A. Sprinthall.

1980. Beverly Ann Mills-Novoa. A.B.'76, Earlham College; M.A.'78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Selected Variables Affecting the Career Progression of Women in Higher Education Administration.
Major Adviser: Prof. L. S. Hansen.

1980. Marianne O'Carroll. B.S. magna cum laude '75, Tulane University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Outerdirectedness as a Problem Solving Strategy in EMR and Normal Children.
Major Advisers: Profs. B. R. Egeland and J. E. Turnure.

1980. Richard David Olson. B.A.'67, Bethel College; M.A.'69, Ball State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of the Behavior of Selected Variance Ratio Statistics under Randomization for the Case of Disproportionate Subclass Numbers.
Major Adviser: Prof. R. O. Collier, Jr.

1980. Donald Laurence Pastor. B.A. magna cum laude '73, M.A.'75, Tufts University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Quality of Mother-Infant Attachment and Its Relationship to Toddler's Initial Sociability with Peers.
Major Advisers: Profs. R. A. Weinberg and B. R. Egeland.

1980. Vivian Alice Pearlman. B.A. with distinction '76, University of Colorado.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Influences of Mothers' Employment on Career Orientation and Career Choice of Adolescent Daughters.
Major Advisers: Profs. R. A. Weinberg and P. S. Faunce.

Educational Psychology

1980. Reece Loren Peterson. B.A.'70, University of Chicago; M.A.T.'71, Brown University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Exploratory Study of Teacher Training for Mainstreaming.
Major Adviser: Prof. M. C. Reynolds.
1980. Karen Louise Roehl. B.A. magna cum laude '65, Alma College; M.A.'67, Kent State University.
Major: Educational Psychology. Minor: Psychology. Thesis: Pre-Adolescent and Adolescent Female Sex-Role Identity as a Function of Ego Development Level and Parental Sex-Role Identity.
Major Adviser: Prof. M. D. Hall.
1980. Charlotte Pence Rogers. B.S.Ed. with honors '62, M.S.Ed.'70, Western Illinois University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Examination of the Relationship Between Ego Development and Self Esteem.
Major Adviser: Prof. N. A. Sprinthall.
1980. Lyn Suzanne Satterstrom. B.A.'66, Macalester College; M.A.'77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Matching Model for Differentiated Supervision of Student Teachers.
Major Advisers: Profs. N. A. Sprinthall and R. F. McNerngney.
1980. Robert Allen Seybold. B.A.'72, College of William and Mary in Virginia.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Counselor Self-Disclosure Portraying Counselor as Similar or Dissimilar to Clients.
Major Adviser: Prof. W. F. Shaffer.
1980. Hsien Chuan Thomas Shih. B.Ed.'62, National Taiwan Normal University; M.A.'71, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relative Effectiveness of Different Reinforcers in Training Self-Help Skills Among Severely Retarded Persons in a Residential Setting.
Major Adviser: Prof. D. G. Force, Jr.
1980. Karl Aldrich Smith. B.S.'69, M.S.'72, Michigan Technological University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Using Controversy to Increase Student's Achievement, Epistemic Curiosity and Positive Attitudes Toward Learning.
Major Adviser: Prof. D. W. Johnson.
1980. Noya Spector. B.A.'73, M.A.'76, Hebrew University of Jerusalem.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Instruction in Reading, Writing and Pronouncing Hebrew on Reading, Writing and Spelling English Among Children who are Slow Readers Studying Hebrew as a Foreign Language.
Major Adviser: Prof. B. R. Balow.
1980. Jane Eileen Stoller. B.A. with honor '71, Northeastern University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effectiveness of the Educational Program Audit: A Meta-Evaluation Technique.
Major Adviser: Prof. W. W. Welch.
1980. Jocelyn Reyman Tager. A.B.'68, Western Reserve University; M.E.'72, Boston University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of the Relationship Between Jane Loevinger's Levels of Ego Development and Family Interaction.
Major Adviser: Prof. T. J. Hummel.

Educational Psychology

1980. Joan R. Vigushin. B.S. with distinction '69, University of Rochester; M.S.'74, State University of Brockport; A.M.'76, University of Michigan.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of a Self-Help Support Program for Students in the Helping Fields. Major Adviser: Prof. W. F. Shaffer.

1980. Colleen Ann Wieck. B.A. summa cum laude '71, University of Minnesota, Duluth; B.S.'72, Bemidji State College; M.S.'75, Wisconsin State University, Superior.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Cost of Public and Community Residential Care for Mentally Retarded People in the United States.

Major Adviser: Prof. R. H. Bruininks.

1980. Joyce Marie Bredahl Wong. B.A. with honor '65, M.A.'67, Michigan State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Staff Development Model for Adult Women: Three Sequential Interventions and Followup Data.

Major Adviser: Prof. V. L. Erickson.

1981. Keven Murphy Akerson. A.B.'74, Indiana University; M.A.'75, Ball State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Prediction of Chronicity in Low Back Pain Patients.

Major Adviser: Prof. W. F. Shaffer.

1981. Janet Ann Anderson. B.A. summa cum laude '54, Augsburg College; M.A.'59, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Empathy: A Critical Outcome of Psychotherapy.

Major Adviser: Prof. C. A. Parker.

1981. Mary Jane Silon Brodie. B.A. magna cum laude '66, Nazareth College; M.A.'73, Spec.Cert.'74, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Selected Family Variables on the Achievement Motivation of Employed Married Women.

Major Adviser: Prof. L. S. Hansen.

1981. James P. Burns. B.S.'71, Salem State College; M.Ed.'74, University of Vermont.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Use of a Teach-Test Instructional Procedure for Training Object Permanence with Severely Multihandicapped Students.

Major Adviser: Prof. S. L. Deno.

1981. Kathy Jean Christensen. B.A.'76, M.A.'79, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Description and Evaluation in the Measurement of Self-Esteem.

Major Adviser: Prof. W. F. Shaffer.

1981. Paul J. Feltovich. B.S.'69, Allegheny College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Knowledge Based Components of Expertise in Medical Diagnosis.

Major Adviser: Prof. P. E. Johnson.

1981. Renee Marie Fredrickson. B.A. magna cum laude '70, Macalester College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Incest: Family Sexual Abuse and Its Relationship to Pathology, Sex Role Orientation, Attitudes Toward Women, and Authoritarianism.

Major Adviser: Prof. L. S. Hansen.

Educational Psychology

1981. Lynn Barbara Shteir Fuchs. B.A.'72, Johns Hopkins University; M.S.'73, University of Pennsylvania; Spec.Cert.'77, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Concurrent Validity of Progress Measures of Basal Reading Material. Major Adviser: Prof. S. L. Deno.

1981. Joan Barbara Garfield. B.S. with distinction '72, University of Wisconsin; M.A.'77, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of Factors Influencing Student Attainment of Statistical Competence. Major Adviser: Prof. R. O. Collier, Jr.

1981. Sandra Kay Hewitt. B.A. cum laude '68, University of North Dakota; M.S.'73, Moorhead State College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Learning Disabilities Among Secondary In-School Students, Graduates, and Dropouts. Major Advisers: Profs. J. E. Ysseldyke and R. A. Weinberg.

1981. Dick D. Jones. B.A.'65, St. Mary's College; M.A.'72, Spec.Cert.'73, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Shame as a Referent of Nonverbal Behavior in Mothers' and Daughters' Interactions. Major Adviser: Prof. A. R. Anderson.

1981. Katherine Anne Kegan. B.A. with distinction '71, University of Colorado.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Attachment and Family Sexual Abuse: An Investigation of the Families of Origin and Social Histories of Mothers From Present Incest Families. Major Adviser: Prof. A. R. Anderson.

1981. Rozlind X. Kramer. B.S.'72, University of Pittsburgh; M.S.'73, Duquesne University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Follow-Up Study of Adolescents Admitted to a Residential Treatment Facility: Psychosocial Outcome and Differential Prediction. Major Adviser: Prof. R. A. Weinberg.

1981. Kenneth Charles Lakin. B.A.'70, University of Northern Iowa; M.A.'75, Ed.M.'75, Columbia University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Occupational Stability of Direct-Care Staff of Residential Facilities for Mentally Retarded People. Major Adviser: Prof. R. H. Bruininks.

1981. Bonnie Louis Lynch. B.S.'48, Iowa State University; M.S.'69, University of Tennessee; Spec. in Education '73, University of Iowa.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Positive Goal Interdependence in Interdisciplinary Team Training for the Allied Health Professions. Major Adviser: Prof. D. W. Johnson.

1981. Mary Margaret Melbo. B.A. summa cum laude '72, University of Minnesota; M.S.'74, Mankato State College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Stressors and Their Relationship to Selected Psychological, Situational, and Demographic Variables for Veterinary Medical Students. Major Adviser: Prof. W. F. Shaffer.

1981. Joan M. Pearson. B.A. cum laude '69, Lewis and Clark College; M.A., Spec.Cert.'72, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Organizational Entry in a Hospital Setting: Tasks, Problems and Outcomes. Major Adviser: Prof. T. J. Hummel.

Educational Psychology

1981. Phillip Dexter Penn. B.S.'79, University of Cincinnati; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Differential Effects on Vocationally Related Behaviors of a Computer-Based Career Guidance System in Conjunction with Innovative Career Exploration Strategies.
Major Adviser: Prof. L. S. Hansen.
1981. Joseph Seth Pettit. B.A. cum laude '72, M.S.'73, University of Utah.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Openness to Feedback from Co-Workers on the Perceived Effectiveness of Managerial Human Resource Management Skills.
Major Advisers: Profs. D. W. Johnson and G. R. Maruyama.
1981. Susanne Sandidge. B.A.'69, Wellesley College; M.A.'72, Tufts University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Early Childhood Predictors of School Achievement and Behavior. A Longitudinal Study.
Major Adviser: Prof. J. R. Rest.
1981. Mark R. Shinn. B.A.'74, Gustavus Adolphus College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of Psychometric and Functional Differences Between Students Labeled Learning Disabled and Low Achievers.
Major Adviser: Prof. J. E. Ysseldyke.
1981. Tom E. Trabin. B.A.'72, Antioch College; M.A.'76, Delhi University.
Major: Educational Psychology. Minor: Psychology. Thesis: Evaluation and Prediction of Pain Management Program Outcomes for Chronic Low Back Pain Patients.
Major Adviser: Prof. C. A. Parker.
1982. Ellen Rose Benjamin. B.A.'74, M.A.'78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Participation and the Attitude of Organizational Commitment: A Study of Quality Circles.
Major Adviser: Prof. D. W. Johnson.
1982. Rebecca F. Biderman. B.A.'73, M.S.'75, University of Wisconsin, Madison.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of the Minnesota Couples Communication Program on Communication, Adaptability, and Cohesion: A Quasi-Experimental Investigation.
Major Adviser: Prof. A. R. Anderson.
1982. Susan Bidwell. B.A.'67, Marietta College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Attitudes of Caregivers Towards Grief: A Cognitive Developmental Investigation.
Major Adviser: Prof. N. A. Sprinthall.
1982. Jan Hettie Bloom. B.A. magna cum laude '74, Tufts University; Ed.M.'75, Harvard University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Selective and Sustained Attention in Normal and Disabled Readers.
Major Advisers: Profs. R. A. Weinberg and Frederick Morrison.
1982. Yuh-Sheng Gerald Chang. B.A.'68, Fu Jen Catholic University; M.A.'71, South Dakota State University; M.A.'74, University of Illinois.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Language Comprehension of Reading Disabled Children: Comparison of Presuppositional Ability in Oral Language with Inference Making in Reading.
Major Adviser: Prof. B. R. Balow.

Educational Psychology

1982. Patricio Contreras. Título de Profesor de Filosofía; Licenciado en Filosofía y Educación '72, Universidad Católica de Valparaíso; M.A.'72, St. Louis University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Cognitive Strategies Associated with College Students' Judgements on Social Issues.

Major Adviser: Prof. N. A. Sprinthall.

1982. Carson Robert Dron. B.S.'60, B.Ed.'69, University of Queensland; M.A.'69, Concordia Teachers College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Piaget's Stage of Formal Operations and Human Information Processing: A Study of Relationships Between Information Processing Variables and Formal Stage Behavior.

Major Adviser: Prof. J. C. Merwin.

1982. Anna Duran. B.A.'70, M.A.'74, San Francisco State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Clinical and Counseling Expertise on Problem Identification and Memory for Psychological Problems.

Major Advisers: Profs. T. J. Hummel and Theda Hagenah.

1982. Jeanette Luise Eberhardy. B.A.'76, M.A.'77, University of California, Irvine.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Analysis of Moral Decision Making Among Nursing Students Facing Professional Problems.

Major Advisers: Profs. J. R. Rest and N. A. Sprinthall.

1982. Susan Epps. B.A.'75, College of William and Mary in Virginia.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Empirical Analysis of Fourteen Definitions of Learning Disabilities with Elementary-Age Students.

Major Adviser: Prof. J. E. Ysseldyke.

1982. Patricia Renee Evans. B.S. with high distinction '72, M.A.'77, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Use of Cognitive Self-Instruction in the Training of Social Skills in Socially Unaccepted Children.

Major Adviser: Prof. J. E. Ysseldyke.

1982. Debra Gray Froberg. B.A. summa cum laude '75, St. Olaf College; M.A.'77, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Instructional Conditions and Time of Pretesting on Liniency in Self-Ratings.

Major Adviser: Prof. M. E. Corcoran.

1982. JoAnne Marie Gallucci. B.A.'73, Gonzaga University; M.S.'76, Florida State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of the Effects of a Deliberate Curriculum Intervention on the Change in Cognitive Factors Influencing Women's Achievement Orientation.

Major Advisers: Profs. M. F. Snoke and P. S. Faunce.

1982. Marilynne Tanberg Glatfelter. B.A.'63, Knox College; M.S.'66, Ed.Sp.'70, Indiana University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Identity Development, Intellectual Development and Their Relationship in Reentry Women Students.

Major Adviser: Prof. C. A. Parker.

Educational Psychology

1982. Garry Hannah. B.A.'77, University of Minnesota; M.A.'77, Central Michigan University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Consequences of Residual Effects in Repeated Measures Designs under Randomization.
Major Adviser: Prof. R. O. Collier, Jr.
1982. Kirk McKay Hubbard. B.A.'71, M.A.'76, University of Montana.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Patient Response to Pain Treatment: Personality Variables Associated with the Use of Transcutaneous Electrical Nerve Stimulation.
Major Adviser: Prof. W. W. Tennyson.
1982. Norman Lernell James. B.A.'68, M.S.'70, Southern Illinois University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Social Interdependence, Alienation and Criminal Behavior.
Major Adviser: Prof. D. W. Johnson.
1982. Samuel Douglas Johnson, Jr. B.A.'69, Ripon College; M.A.'70, Colgate University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Minnesota Multiethnic Counselor Education Curriculum: The Design and Evaluation of an Intervention for Cross Cultural Counselor Training.
Major Adviser: Prof. W. F. Shaffer.
1982. John Henry Jones. B.S.'47, Alabama State College; M.A.'55, University of Michigan.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Assessing the Teacher-Training Programs of Four Alabama State Universities in Preparing Classroom Teachers for Instructional Management of Teaching Exceptional Children in Regular Classrooms.
Major Adviser: Prof. D. G. Force, Jr.
1982. Kathryn Ferris Kuehnle. B.S.'73, Indiana University; M.A.'77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Contribution of Social Skills and Role Assignment to Social Status.
Major Adviser: Prof. S. L. Deno.
1982. Olga Loffredi. B.A.'76, Federal University of Rio de Janeiro; M.A.'80, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Crosscultural Study on Social Behavior Standards and Expectations.
Major Adviser: Prof. M. C. Reynolds.
1982. Lisa Ann Lowry. B.A. summa cum laude '75, Arizona State University; Ed.S.'78, University of Kansas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Developmental Effects of Teenage Childbearing on Children.
Major Adviser: Prof. Byron Egeland.
1982. Victoria DeFilippo Lutzer. B.A. cum laude '65, Vassar College; M.A.'69, Clark University.
Major: Educational Psychology. Minor: Child Psychology. Thesis: The Effects of Perceptual Pretraining, Mental and Chronological Age on Brightness Discrimination.
Major Adviser: Prof. J. E. Turnure.
1982. Virginia Mary Lyons. B.S.'62, University of Southwestern Louisiana; M.E.'70, Nichols State College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Elaborative Cognitive Processing as a Variable Mediating Achievement in Cooperative Learning Groups.
Major Adviser: Prof. D. W. Johnson.

Educational Psychology

1982. Douglas Bruce Marston. B.A. summa cum laude '74, M.A.'80, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Technical Adequacy of Direct, Repeated Measurement of Academic Skills in Low Achieving Elementary Students.
Major Advisers: Profs. S. L. Deno and J. E. Ysseldyke.
1982. Joshua Ben Martin. B.A.'73, M.A.'75, Washington University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Ego Development and Family Interaction.
Major Adviser: Prof. V. L. Erickson.
1982. Jane Kay McNaught. B.S. with highest honors '72.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Role Taking Training Effects Upon Special and Regular Education Pupils.
Major Adviser: Prof. N. A. Sprinthal.
1982. Karen Anne Nelson. B.A. summa cum laude '76, M.A.'78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of Counselor Attitudes Toward Roles of Women.
Major Adviser: Prof. L. S. Hansen.
1982. Susan Dorothy Raison. B.A.'71, Cornell University; M.Ed.'73, Boston University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Coping Behavior of Mainstreamed Physically Handicapped Students.
Major Advisers: Profs. B. E. Balow and Norman Garmezky.
1982. Steven Loree Robinson. B.A.'70, M.A.'72, San Diego State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Longitudinal Study of Elementary School Students' Peer Relationships and Maladjustment.
Major Adviser: Prof. S. L. Deno.
1982. Lydia Roth-Laube. B.S. with distinction '72, University of Rochester; M.A.'79, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Explicit and Inexplicit Sexual Films in Changing the Attitudes of Medical Students.
Major Adviser: Prof. W. F. Shaffer.
1982. Muriel Bloomdahl Ryden. B.S.'53, University of Minnesota; M.A.'57, Columbia University in the City of New York.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Perception of Situational Control, Climate for Autonomy, and Morale in Institutionalized Aged.
Major Adviser: Prof. M. E. Corcoran.
1982. Paula Lee Savage. B.A. summa cum laude '78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Symbol-Word Correspondence Learning and Spelling-Sound Correspondence Knowledge in Normal and Disabled Readers.
Major Adviser: Prof. R. A. Weinberg.
1982. Nancy Ellen Schaeffer (Fox). B.A. cum laude '77, University of Pennsylvania.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Individual Differences in the Dependency of Preschool-Age Children.
Major Adviser: Prof. R. A. Weinberg.
1982. Sherry Schwartz. B.A. magna cum laude '77, University of Rochester.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation into the Effects of Early Entrance to Elementary School.
Major Advisers: Profs. J. E. Ysseldyke and R.A. Weinberg.

Educational Psychology

1982. Patricia Anne Silverstein. B.A.'51, Ursinus College; M.S.'76, Winona State College.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Coping and Adaptation in Families of Physically Handicapped School Children.

Major Adviser: Prof. F. H. Wood.

1982. Nancy Lee Thieret. B.A.'77, University of Louisville; M.A.'79, Murray State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Application of Four Cluster Analytic Methods to the Minnesota Multiphasic Personality Inventory in a Psychiatric Population.

Major Adviser: Prof. D. H. Anderson.

1982. Mary Jo Ann Thorsheim. B.S. with high distinction '59, M.S.'76, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Policy-Oriented Approach to Surveying Long-Term Care Provisions for Physically Disabled People.

Major Adviser: Prof. J. E. Rynders.

1982. Gerald Arthur Tindal. B.A. cum laude '75, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Factors Influencing the Use of Time Series Data for Evaluating Instructional Programs.

Major Adviser: Prof. J. E. Ysseldyke.

1982. Jean Karen Wolf. B.S. with distinction '74, University of Minnesota; M.A.'68, George Washington University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Two Models for the Prediction of Outcome in Family Treatment for Chemical Dependency.

Major Adviser: Prof. A. R. Anderson.

1983. Pearl Barner. B.S.'69, Mississippi Valley State College; M.E.D.'74, Cleveland State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Afro-American Undergraduate College Student Social-Psychological Characteristics and Academic Performance.

Major Adviser: Prof. L. S. Hansen.

1983. Michael Erling Berger. B.S.'64, Concordia College; M.A.'67, University of Northern Iowa.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Investigation of the MMPI Profiles of College Freshmen Who Married Those Who Were or Subsequently Became Alcoholic.

Major Adviser: Prof. A. R. Anderson.

1983. Magdalena Dingena Brouwer-Janse. Doctoraal '67, Agricultural University, Wageningen.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Concept of Equilibrium in Cognitive Development.

Major Advisers: Profs. R. B. Pitt and A. D. Pick.

1983. Cheryl Sorensen Bupp. B.A.'77, University of Maryland; M.A.'81, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Examination of Shame and Guilt Among American Veterans of the Vietnam Conflict.

Major Adviser: Prof. A. R. Anderson.

1983. Bruce A. Center. B.A. with distinction '70, University of Rochester.

Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of the Behavior of Selected Variance Ratio Statistics Under Randomization for the Analysis of Covariance.

Major Adviser: Prof. D. H. Anderson.

Educational Psychology

1983. Sheila Ann Corcoran. B.S.'59, College of St. Catherine; M.Ed.'63, University of Minnesota.
Major: Educational Psychology. Minor: Philosophy. Thesis: Decision Making by Nurses Concerning Drug Administration Plans to Control Pain.
Major Adviser: Prof. P. E. Johnson.

1983. Victor Manuel Duarte. B.A. magna cum laude '77, San Francisco State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Self-Awareness and Status on the Conforming Behavior of Black and White Subjects.
Major Adviser: Prof. D. W. Johnson.

1983. Laura Duckett Duckett Newton. B.S.N.'67, Duke University; M.S.'75, University of Maryland.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Variables Related to Breast Feeding Success Among Working and Non-Working Mothers.
Major Adviser: Prof. S. J. Samuels.

1983. Ronald Halton Hanson. B.A. magna cum laude '71, University of Minnesota; M.S.'78, St. Cloud State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Immediate Detection, Delayed Detection, and Yoked Schedule Awakening Treatments for the Enuresis of Mentally Retarded Youth.
Major Adviser: Prof. J. E. Rynders.

1983. Max Henry Hines. B.S.'67, Wisconsin State University, River Falls; M.S.'74, University of Wisconsin, Oshkosh.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of the Effect of Four Training Conditions Upon the Empathic Ability, Perception of Spouses' Empathy and Marital Satisfaction of Married Couples.
Major Adviser: Prof. T. J. Hummel.

1983. Gale C. McLain. B.A.'70, Stanford University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Outcome, Expectancy and Attributions for Performance by Sixth Graders.
Major Adviser: Prof. R. A. Weinberg.

1983. Nancy Louise Miller. B.A. magna cum laude '74, B.S.'78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Failure to Find Attention Differences Between Learning Disabled and Normal Children on Classroom and Laboratory Tasks.
Major Adviser: Prof. S. J. Samuels.

1983. Jerene Doerring Mortenson. B.S.'54, M.S.'73, St. Cloud State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Predicting Success in Student Teaching: A Cognitive Developmental Model.
Major Adviser: Prof. N. A. Sprinthall.

1983. Jeffry Ross Penwarden. B.S. with honors '66, University of Wisconsin, Madison; M.A.'73, M.A.'80, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Evaluation of Algorithmically-Related Procedures for Interpretations.
Major Adviser: Prof. W. F. Shaffer.

1983. Margaret Louise Potter. B.A. summa cum laude '78, University of North Dakota; M.A.'82, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Teacher Decision-Making Practices Related to the Instruction of Learning Disabled Students.
Major Adviser: Prof. J. E. Ysseldyke.

Educational Psychology

1983. JoAnne W. Putnam. B.S. with high distinction '69, Colorado State University; M.A.'74, West Virginia University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Social Integration of Moderately Handicapped Students Through Cooperative Groups: Influence of Teacher Imposed Structure.
Major Adviser: Prof. J. E. Rynders.

1983. Ralph Alan Rovner. B.S. with high distinction '76, M.A.'78, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Theory and Measurement of the Relationship Between Ethnic Identity and Self-Esteem.
Major Adviser: Prof. W. F. Shaffer.

1983. Jeffrey Rubin. B.A. cum laude '73, Brooklyn College; M.A.'76, State University of New York at Plattsburgh.
Major: Educational Psychology. Minor: Psychology. Thesis: Some Interpersonal Effects of Employing Eliciting Altruism Versus Guilting During Interpersonal Conflicts.
Major Adviser: Prof. W. F. Shaffer.

1983. Jane Adele Schmidt. B.A. cum laude '75, Allegheny College; M.A.'77, Ohio State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Intellectual Development of Traditionally and Nontraditionally Aged College Students: A Cross Sectional Study with Longitudinal Follow-Up.
Major Advisers: Profs. M. L. Davison and C. A. Parker.

1983. Deborah Elaine Simpson. B.A.'74, University of California, Santa Barbara; M.A.'76, Ohio State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Hypothesis Generation Activity in Primary Care Physicians.
Major Adviser: Prof. P. E. Johnson.

1983. Judith Marie Rann Thompson. B.S.'68, Xavier University; M.Ed.'73, Central State University, Oklahoma.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Coping Patterns of Mothers Who Have Given Birth to a Child with Disabilities.
Major Adviser: Prof. D. G. Force, Jr.

1983. Jing-Jen Wang. B.A.'75, M.A.'77, National Chengchi University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Monte Carlo Comparison of Some Decision-Consistency Approaches to Reliability of Criterion-Referenced Testing.
Major Adviser: Prof. J. S. Terwilliger.

1983. Douglas Franklin Warring. B.A.'71, Bethel College; M.A.'75, St. Thomas College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: School Desegregation: Pro Social Outcomes.
Major Advisers: Profs. D. W. Johnson and G. M. Maruyama.

1983. Caren Lee Wesson. B.A.'73, Western Illinois University; M.A.'76, Western Michigan University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Student Charting and Student Selection of Instructional Activities on Achievement.
Major Adviser: Prof. B. E. Balow.

1984. Marcia McGarraugh Andberg. B.A.'66, Carleton College; M.A.'81, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Predictive Efficacy of Two Parameter Estimation Procedures in Multiple Regression Analysis.
Major Adviser: Prof. R. O. Collier.

Educational Psychology

1984. Muhamed Bin Awang. B.A. honors '74, University of Malaya; M.S.'77, University of Wisconsin, Milwaukee.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Rule Usage in Solving Formal Operational Problems Among Malay and Euro-American College Students: An Evaluation of the Rule-Assessment Tests.
Major Adviser: Prof. W. M. Bart.

1984. James William Baxter. B.A. cum laude '69, Saint Mary's College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Evaluation of Client Utilization and Attrition at a Community Mental Health Center.
Major Adviser: Prof. W. W. Welch.

1984. Mark J. Benson. B.A. cum laude '76, Drew University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Achievement Attributions on Self-Evaluation, Motivation, and Anxiety: An in Vivo Analysis of Hockey Tryouts Among Elementary School Aged Children.
Major Adviser: Prof. R. A. Weinberg.

1984. James Joseph D'Aurora. B.A.'71, University of Notre Dame; M.Ed.'74, Kent State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Family Sexual Abuse: An Exploratory Study Examining the Psychological Differences of Women Victims in Therapy.
Major Adviser: Prof. A. R. Anderson.

1984. Cynthia Ann Druva. B.S. with highest distinction '75, M.S.'78, Colorado State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of the Comprehension Skills Used in Problem Solving by Math-Anxious and Non-Math-Anxious Students Enrolled in College-Level Mathematics Courses.
Major Adviser: Prof. J. C. Merwin.

1984. Glenace Maureen Edwall. B.A. with highest honors '73, Bethel College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Interpropositional Comprehension: Effects of Semantic Distance and Schematic Embedding.
Major Adviser: Prof. S. J. Samuels.

1984. Martha Farrell Erickson. B.S.'67, Iowa State University; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Developmental Antecedents of Individual Differences in Compliance in Young Children.
Major Adviser: Prof. Byron Egeland.

1984. Susan Kay Etscheidt. B.A. with honors '73, M.A.Ed.'75, University of Northern Iowa.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of Cognitive, Cognitive-Behavioral and Behavioral Interventions in Reducing Classroom Aggressive Behavior.
Major Adviser: Prof. R. H. Bruininks.

1984. Timothy Paul Follick. B.S.'76, University of Evansville; M.A.'77, Eastern Illinois University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Survey of Ethical Dilemmas Encountered by Psychologists Treating Outpatients.
Major Adviser: Prof. W. F. Shaffer.

Educational Psychology

1984. Michael John Frank. B.A. with honors '67, York University; M.A.'68, Columbia University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Comparison Between An Individual and Group Goal Structure Contingency that Differed in the Behavioral Contingency and Performance-Outcome Components. Major Adviser: Prof. D. W. Johnson.

1984. Alan Fenwick Goodell-Holmes. B.A. summa cum laude '74, M.E.'75, University of New Hampshire.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Depression: An Initial Effort Toward Decompartmentalization. Major Adviser: Prof. W. F. Shaffer.

1984. Janet Lee Graden. B.S.Ed. with highest distinction '77, M.S.Ed.'78, Indiana University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Academic Responding Time and Instructional Ecology as a Function of Student Sex, Teacher-Perceived Academic Competence, and Learning Disabilities Classification. Major Adviser: Prof. J. E. Ysseldyke.

1984. Beverley Oliver Hawkins. B.A.'71, Kansas State University; M.A.'73, University of Minnesota.

Major: Educational Psychology. Minor: Public Affairs. Thesis: The Role of Evaluation in Philanthropic Decision Making. Major Adviser: Prof. W. W. Welch.

1984. Diane Lee Henze. B.S. with high distinction '56, M.A.'57, Spec.Cert.'76, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Equity in Family Work Role Among Dual Career Couples: The Relationship of Demographic, Socioeconomic, Attitudinal and Personality Factors. Major Adviser: Prof. L. S. Hansen.

1984. Gary Gene Johnson. B.A. summa cum laude '76, Western Michigan University; M.A.'77, University of Northern Colorado.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Prescriptive Approach to the Training of Group Counselors. Major Adviser: Prof. T. J. Hummel.

1984. Arnold Jeffrey Josefowitz. B.A.'74, City College of New York; M.A.'77, Michigan State University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Management Development Training on Organizational Climate. Major Adviser: Prof. W. W. Welch.

1984. Abdulaziz Abdulrhman Kamal. B.A. with second class honors '75, Kuwait University; M.A.'79, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Attitudes, Social Adjustment, and Educational Problems of Qatari Students Pursuing Higher Education in the United States. Major Adviser: Prof. G. M. Maruyama.

1984. Robert Paul King. B.A.'72, Western Illinois University; M.A.'77, Western Michigan University.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Data Utilization Rules to Assess Thioridazine Therapy in Institutionalized Mentally Retarded People. Major Advisers: Profs. S. L. Deno and T. I. Thompson.

1984. Valerie Klansek Kylo. B.S.Ed.'69, Northern Illinois University; M.A.'72, University of Minnesota.

Major: Educational Psychology. Minor: Supporting Program. Thesis: Responses to Explicit and Implicit Requests for Message Clarification in Hard-of-Hearing and Hearing Children. Major Adviser: Prof. R. H. Bruininks.

Educational Psychology

1984. Robert Stewart Lininger. B.S.'76, University of Iowa; M.A.'80, Northeast Missouri State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Use of Mime to Facilitate Learning with Mentally Retarded Students.
Major Adviser: Prof. B. E. Balow.
1984. Thomas J. Lombard. B.A. summa cum laude '71, Inter American University; M.Ed.'73, Harvard University; Spec. Cert.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Efficacy of Comprehensive Preschool Screening as a System for Identifying Preschool Exceptional Children.
Major Adviser: Prof. J. E. Ysseldyke.
1984. Beverly Anne McLaughlin. B.S. cum laude '73, M.Ed.'75, Howard University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Sex Role Ideology and Household Task Distribution in Relation to Marital Adjustment Levels in Dual Career, Black Married Couples.
Major Adviser: Prof. L. S. Hansen.
1984. Regina Clark McNeil. A.B.Ed.'73, University of Michigan; M.A.'78, Wayne State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Methodological Approach to Job Family Development.
Major Adviser: Prof. D. G. MacEachern.
1984. Dwight Moore. A.B. honors '70, Colgate University; M.A.'75, Michigan State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of Changes in Affective Expressiveness in Men as a Result of Participation in a Multi-Modal Psychological Intervention.
Major Adviser: Prof. L. S. Hansen.
1984. Kathryn L. Norsworthy. B.S.Ed. summa cum laude, with highest distinction '75, Georgia Southwestern University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Children's Interpretation of Contingencies from a Cognitive Behavioral Perspective.
Major Advisers: Profs. F. H. Wood and P. C. Kendall.
1984. Patrick John O'Laughlin. B.A.'71, University of Minnesota; M.A.'80, College of St. Thomas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Controlled Comparison of Progressive Relaxation Training and Aerobic Exercise to Relieve Tension Following an Evaluation Stress Stimulus.
Major Adviser: Prof. W. W. Tennyson.
1984. Howard M. Ottenheimer. B.A.'67, M.A.'74, University of Virginia; M.A.'79, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Marital Dyad and Adolescent Substance Abuse Risk.
Major Adviser: Prof. W. F. Shaffer.
1984. Bruce Edward Roselle. B.A.'72, Northwestern University; M.A.'75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Cognitive Developmental Level on Interaction with a Computerized Career Guidance System.
Major Advisers: Profs. M. L. Snoko and T. J. Hummel.
1984. Richard Victor Schultz. B.A. cum laude '69, Macalester College; M.A.'76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Reducing the Use of Timeout in a Secondary Program for Emotionally Disturbed/Behaviorally Disordered Students.
Major Adviser: Prof. F. H. Wood.

Educational Psychology

1984. Darlene Marie Stealey. B.A.'69, M.A.'70, West Virginia University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Linguistic and Cognitive Determinants of the Development of Comprehension for Certain Classes of Questions. Major Adviser: Prof. J. E. Turnure.

1984. William Richard Stixrud. B.A. magna cum laude, with distinction '72, M.Ed.'76, University of Washington. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Relationship Between Curiosity Status and Exploratory Learning in Preschool Children. Major Adviser: Prof. R. A. Weinberg.

1984. Mary Willis Ursu. B.A.'65, University of Michigan; M.A.'81, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: An Investigation of the Construct Validity of Several Measures of Proneness to Shame Using a Multitrait-Multimethod Matrix. Major Adviser: Prof. A. R. Anderson.

1984. Dennis van Uitert. B.A.'74, Brigham Young University; M.A.Ed.'77, Arizona State University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Factors Related to the Adjustment of Wives Following Their Husbands' Strokes. Major Adviser: Prof. A. R. Anderson.

1984. Joseph Milton Volker. B.A.'76, University of California, Irvine; M.A.'80, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: Counseling Experience, Moral Judgement, Awareness of Consequences, and Moral Sensitivity in Counseling Practice. Major Adviser: Prof. J. R. Rest.

1984. Judy Kay Werder. B.A. with distinction '71, University of Minnesota; M.A.'78, Michigan State University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Perceptual-Motor Training Versus Skill-Specific Motor Training with Young Learning Disabled Children. Major Adviser: Prof. R. H. Bruininks.

1984. Norman Anthony Wieseler. B.A.'66, Saint Mary's College; M.A.'72, Mankato State College. Major: Educational Psychology. Minor: Supporting Program. Thesis: Environmental Conditions Regulating Stereotypic Behavior in Mentally Retarded People. Major Advisers: Profs. T. I. Thompson and S. L. Deno.

1985. Zayed O. Z. Al-Harethi. B.A. '76, M.A. '78, King Abdul Aziz University. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Attitudes and Attitude Change of Saudi Students in the United States Toward Some Social Issues. Major Adviser: Prof. G. M. Maruyama.

1985. Donald Leroy Allen. B.A. '73, St. Olaf College. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Experimental Bias Effect as a Factor in the Fade Out of Skills Following Preschool Intervention. Major Adviser: Prof. J. E. Ysseldyke.

1985. Robert Carl Barnett. B.A. '77, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: Dissimulation in Moral Reasoning. Major Advisers: Profs. M. L. Snoke and J. R. Rest.

Educational Psychology

1985. Colleen Sue Baumtrog. B.A. '75, M.A. '76, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: Effectiveness of Behavior Reduction Procedures Used with Individuals Who Are Severely Handicapped: A Meta-Analysis. Major Advisers: Profs. S. L. Deno and T. I. Thompson.

1985. Thomas Paul Carrillo. B.A. '75, Moorhead State University; M.A. '79, University of Northern Colorado. Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study of Men Who Batter: Demographic and Psychological Indicators for Prediction of Completion of Treatment. Major Adviser: Prof. A. R. Anderson.

1985. Lin-Lin Cherng. B.S. '74, M.S. '76, National Taiwan University; M.A. '82, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Chinese College Students' Help-Seeking and Receiving Processes. Major Adviser: Prof. T. J. Hummel.

1985. Norma Jean Dison. B.A. '52, Valparaiso University; M.A. '74, M.S. '79, University of Minnesota. Major: Educational Psychology. Minor: Supporting Program. Thesis: Dilemmas of Baccalaureate Nursing Students. Major Adviser: Prof. J. R. Rest.

1985. Dee Jay Donlin. B.A. magna cum laude '78, Augustana College. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Study of Satisfaction Received Through Sport/Physical Activity Participation. Major Adviser: Prof. Byron Egeland.

1985. Stephen Hudson Farra. A.B. with honors '73, A.M. with high honors '74, Wheaton College. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Four Different Methods of Counseling and Sex of Counselor on the G.P.A. Performance of Underachieving College Freshmen. Major Adviser: Prof. M. L. Snoke.

1985. Heshmat Farzanekia. B.A. '77, University of Minnesota; M.S. '79, Mankato State University. Major: Educational Psychology. Minor: Supporting Program. Thesis: The Impact of Retarded Children on Families in a Non-Western Society. Major Adviser: Prof. R. H. Bruininks.

1985. Irene Rose Getz. B.A. summa cum laude '59, Concordia College; M.A. '70, Princeton Theological Seminary. Major: Educational Psychology. Minor: Supporting Program. Thesis: Moral Reasoning, Religion, and Attitudes Toward Human Rights. Major Advisers: Profs. M. L. Snoke and J. R. Rest.

1985. Anne Heller Goodman. B.A. honors '72, University of Cincinnati. Major: Educational Psychology. Minor: Supporting Program. Thesis: Cotherapists' Status and Perception of Team's Expertness. Major Adviser: Prof. A. R. Anderson.

1985. Roger John Grusznski. B.A. with distinction '72, University of Wisconsin, Madison; M.S. '76, University of Wisconsin, Oshkosh. Major: Educational Psychology. Minor: Supporting Program. Thesis: Court-Ordered Treatment of Men Who Batter. Major Adviser: Prof. D. R. Loeffler.

1985. Frank L. Hassebrock. A.B. '75, University of Illinois; M.A. '77, California State University. Major: Educational Psychology. Minor: Supporting Program. Thesis: Problem Solving Expertise and Cognitive Efficiency in Medical Diagnosis. Major Adviser: Prof. P. E. Johnson.

Educational Psychology

1985. Elaine Marie Hauff. B.S. '73, M.S.Ed. '74, Moorhead State University.
Major: Educational Psychology. Minor: Child Psychology. Thesis: The Relationship Between Sex Role Orientation and Gender-Related Judgements.
Major Adviser: Prof. J. R. Rest.
1985. Amanda Hyatt. B.A. '76, St. Olaf College; M.Ed. '78, University of Illinois.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Effects of Relationship Tension on the Early Adjustment of Children.
Major Adviser: Prof. Byron Egeland.
1985. Pamala Wood Jacobel. B.S. '69, University of California, Irvine; M.S. '70, Iowa State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Child Sexual Abuse With and Without Other Physical Abuse: Are They Different Phenomena?
Major Adviser: Prof. D. R. Loeffler.
1985. Suzanne Day James. B.A. summa cum laude '78, College of St. Benedict; M.S. '81, St. Cloud State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Social Interdependence, Negative Life Stress, Psychological Adjustment, and Marital Satisfaction: Four Variables in the Role-Making Process of Remarried Partners.
Major Adviser: Prof. D. W. Johnson.
1985. Thomas Allen Kraack. B.S. '69, M.A. '72, Ball State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Influence of Involvement in Formal Campus Organizations on College Student Development.
Major Adviser: Prof. M. L. Snoke.
1985. Renee Eileen Lemieux. B.S. '72, University of Minnesota; M.A. '76, College of St. Thomas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Study in the Adaptation of Hmong First, Second and Third Graders to the Minneapolis Public Schools.
Major Advisers: Profs. R. A. Weinberg and J. E. Ysseldyke.
1985. Mary Anna Lundeborg. B.S. '75, University of Illinois, Champaign; M.S.Ed. '78, University of Wisconsin, La Crosse.
Major: Educational Psychology. Minor: Speech-Communication. Thesis: Studying Understanding in Legal Case Analysis.
Major Adviser: Prof. S. J. Samuels.
1985. Peggy Ellen O'Hare. B.A. summa cum laude '74, J.D. '77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Model of Congenial and Acrimonious Demise of Interdependence Among Divorcing Spouses.
Major Adviser: Prof. D. W. Johnson.
1985. Bonnie Jean Pechtcl. B.A. '71, University of Minnesota; M.A. '72, College of St. Thomas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Role of Experience and Specialization in Lawyer Problem Solving.
Major Adviser: Prof. P. E. Johnson.
1985. Renee Potts Petersen. A.B. '64, Wheaton College; M.A. '73, University of Southwestern Louisiana.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Cooperative Interdependence in Equalizing Female and Male Differences in Achievement, Verbal Interactions, and Change in Perceived Status.
Major Advisers: Profs. D. W. Johnson and R. T. Johnson.

Educational Psychology

1985. Kari Ann Sandven. B.A. '66, M.A. '75, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis:
Characteristics of Black Adolescent Mothers Who Choose Informal Adoption.
Major Adviser: Prof. Byron Egeland.

1985. Janette Marie Schaub. B.A. '74, M.A. '77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An
Investigation of Diagnostic Procedures for Identifying Attention Deficit
Disorders in Children.
Major Adviser: Prof. Byron Egeland.

1985. Rita Katharina Teusch.
Major: Educational Psychology. Minor: Supporting Program. Thesis:
Level of Ego Development and Bulimic's Conceptualizations of Their
Disorder.
Major Adviser: Prof. T. J. Hummel.

1985. Kathryn Ann Thomas. B.A. cum laude '63, Macalester College; M.A.
'74, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A
Comparison of Counseling Strategies Reflective of Cultural Value
Orientations on Perceptions of Counselors in Cross National Dyads.
Major Adviser: Prof. M. L. Snoke.

1985. David Alan Walsh. B.A. '69, Mount Carmel College; M.A. '77, College
of St. Thomas.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The
Effects of Family Treatment on the Psychological Functioning of Chemically
Dependent and Co-Dependent Adults.
Major Adviser: Prof. W. F. Shaffer.

1985. Carla Sue Weidman. B.A. '67, Goucher College; M.A. '70, University
of Chicago.
Major: Educational Psychology. Minor: Social Work. Thesis: Inventions
or Reflections: Getting Students to Tell Us What They Know.
Major Adviser: Prof. D. W. Johnson.

1985. Phillip Karl Wood. B.A. summa cum laude '77, Wartburg College;
M.A. '80, University of Iowa.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A
Statistical Examination of Necessary But Not Sufficient Antecedents of
Problem Solving Behavior.
Major Adviser: Prof. M. L. Davison.

1985. Linda Jean Zaruba. B.S.Ed. '75, Miami University; M.A. '76,
University of Colorado.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An
Exploratory Analysis of the Bulimic Family.
Major Adviser: Prof. D. R. Loeffler.

1985. Penny Lynn Zwecker. A.B. with honors '74, Grinnell College; M.S.
'75, Trinity University.
Major: Educational Psychology. Minor: Supporting Program. Thesis:
Assessment of Staff Attitudes Toward Sexual Behaviors of Mentally Retarded
and Non Retarded People: A Discrepancy Analysis.
Major Adviser: Prof. J. E. Rynders.

1986. Joyce Giegerich Anderson. B.S.N. with high distinction '74,
M.S. '76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The
Relationship of Sex-Valued Personality Characteristics to Self-Acceptance
and Acceptance of Loss in Adult-Onset Physical Disability.
Major Adviser: Prof. A. R. Anderson.

Educational Psychology

1986. Mary Catherine Breitenbucher. B.A. summa cum laude '77, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effects of Maternal Age Upon Quality of Child Care.
Major Adviser: Prof. Byron Egeland.
1986. Ann Marie Casey. B.S. '74, Iowa State University; M.A. '75, The Ohio State University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: A Comparison of LD and MMH Students Using Curriculum-Based Achievement Measures.
Major Adviser: Prof. J. E. Ysseldyke.
1986. Linda Ann Cohen. B.A. honors '58, Wellesley College; M.A. '80, Harvard University; M.A. '85, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Birth Order and Learning Styles: An Examination of the Relationship Between Birth Order and Middle School Students' Preferred Learning Style Profile.
Major Adviser: Prof. A. R. Anderson.
1986. Thomson Foster Davis. A.B. '66, Hamilton College; M.A. '70, Tufts University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Inservice Training, Professional Development, and School System Change.
Major Adviser: Prof. J. E. Ysseldyke.
1986. Mark Murray Goodman. B.A. '71, Emory University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Cotherapists' Status and Initial Perception of Team's Attractiveness.
Major Adviser: Prof. W. F. Shaffer.
1986. Charles Bruce Johnston. B.A. summa cum laude '73, St. Olaf College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: An Empirical Comparison of Size and Power for Seven Methods of Analyzing Multivariate Data in the Two-Sample Case.
Major Adviser: Prof. T. J. Hummel.
1986. Sue Lynn Keihn. B.A. '73, M.S. '75, University of Wisconsin. Major: Educational Psychology. Minor: Supporting Program. Thesis: College Choice as a Function of Predicted Success.
Major Adviser: Prof. T. J. Hummel.
1986. Lynn Elise Madsen. B.S. '79, University of California, Davis; M.A. '83, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Personal Power: The Concept of Power Within the Self Versus Power Over Others.
Major Adviser: Prof. L. S. Hansen.
1986. Hannah Arlene Ofsthun. B.S.Ed. '55, Minot State Teachers College; M.A. '81, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Developing Professional Responsibility in Counseling Psychology Students: A Teaching-Model Evaluation Study.
Major Adviser: Prof. W. W. Tennyson.
1986. Gail Elizabeth Richards. B.A. cum laude '61, Randolph-Macon Woman's College.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Selective and Sustained Attention in Learning Disabled and Non-Learning-Disabled Children.
Major Advisers: Profs. J. E. Ysseldyke and S. J. Samuels.

Educational Psychology

1986. Chizuko Saeki. B.A. '68, Tokyo University of Foreign Studies; M.A.Educ. '78, Keio University.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Psychological Adjustment of Japanese Students Studying at American Universities from the Perspective of Amae.
Major Adviser: Prof. Henry Borow.

1986. Stephen Joseph Thoma. B.A. cum laude '77, University of Massachusetts.
Major: Educational Psychology. Minor: Supporting Program. Thesis: On Improving the Relationship Between Moral Judgment and External Criteria: The Utilizer and Nonutilizer Dimension.
Major Advisers: Profs. J. R. Rest and M. L. Davison.

1986. David Otto Wendler. B.S. '70, Dr. Martin Luther College; M.S.E. '80, University of Wisconsin, Oshkosh.
Major: Educational Psychology. Minor: Supporting Program. Thesis: The Effect of Precuing on the Comprehension Instruction of Three Types of Teachers.
Major Adviser: Prof. S. J. Samuels.

1986. Paul H. Wiener. B.A. '76, University of Minnesota.
Major: Educational Psychology. Minor: Supporting Program. Thesis: Knowledge and Understanding: Two Level Educational Achievement Testing.
Major Adviser: Prof. J. S. Terwilliger.

Industrial Education

*1976. Michael Ray Bachler. B.S. '60, M.S. '61, Stout State University.
Major: Industrial Education. Minor: Education. Project: Updating and Revising the Drafting Program in Middle Tennessee State University.
Major Adviser: Prof. Jerome Moss.

*1977. Edward George Hill. M.Ed.'62, Chicago Teachers College.
Major: Industrial Education. Minor: Supporting Program. Project: Guidelines for Developing and Implementing a Vocational-Technical School Safety Program Within Current State and Federal Safety Regulations.
Major Adviser: Prof. B. B. Smith.

*1977. Sawat Udompoch. B.Ed.'65, The College of Education, Thailand; M.A.'72, Appalachian State University.
Major: Industrial Education. Minor: Supporting Program. Project: An Assessment of a Team Evaluation of the Undergraduate Industrial Education Program at the University of Minnesota.
Major Adviser: Prof. D. C. Bjorkquist.

*1978. Lowell Phillip Lerwick. B.A.'69, Western Washington State College; M.A.'71, East Tennessee State University.
Major: Industrial Education. Minor: Supporting Program. Project: An Analysis of Contemporary Industrial Education Leadership Models as Expressions of Educational Philosophies.
Major Adviser: Prof. D. B. Bjorkquist.

*1979. Franklin Esmond R. Moonsie. B.S.'75, M.S.'77, University of Wisconsin, Stout.
Major: Industrial Education. Minor: Supporting Program. Project: Professional Competency Identification for Industrial Teacher Education Program Planning in Trinidad and Tobago.
Major Adviser: Prof. D. C. Bjorkquist.

*1981. Suzanne Seiler. A.B. cum laude '52, University of Miami; M.A.'75, University of Minnesota.
Major: Industrial Education. Minor: Supporting Program. Project: Staff Development in the Private Postsecondary Schools of Minnesota.
Major Adviser: Prof. D. C. Bjorkquist.

* Doctor of Education Degree

Industrial Education

*1983. Aziz Ashrafzadeh-Kian. B.S.'73, Tennessee Technological University; M.S.'74, University of Wisconsin, Stout.
Major: Industrial Education. Minor: Business Administration. Project: Operations Analysis for Research and Evaluation of Vocational Programs: A Field Study at Suburban Hennepin Technical Centers. Major Adviser: Prof. D. C. Bjorkquist.

*1983. George Grover Gow. B.S.'70, M.S.'75, University of Wisconsin, Stout.
Major: Industrial Education. Minor: Supporting Program. Project: The Structure of Visual Design for Secondary Level Industrial Arts: A Critique and a Proposal.
Major Adviser: Prof. D. C. Bjorkquist.

Physical Education

1976. Terence John Roberts. B.P.H.E.'71, M.P.E.'73, University of Windsor.
Major: Physical Education. Minor: Philosophy. Thesis: Languages of Sport.
Major Adviser: Prof. R. G. Osterhoudt.

1978. Dean Francis Anderson. B.S.'68, M.A.'72, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: Professional Sport and Social Relations: A Study of Urban Identification.
Major Advisers: Profs. R. C. Serfass and G. B. Stone.

1978. Iau-hoei Chien. B.Ed.'63, National Taiwan Normal University; M.A.'76, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: The Effect of Training and Competition on Physiological and Psychological Measures in University Varsity Ice Hockey Players.
Major Advisers: Profs. J. F. Alexander and M. L. Krotee.

1978. Thomas Paul Jandris. B.S.'70, Eastern Illinois University; M.Ed.'74, Wayne State University.
Major: Physical Education. Minor: Supporting Program. Thesis: A Model for Evaluating Administrators of Physical Education in Colleges and Universities.
Major Adviser: Prof. E. M. Jaeger.

1980. David Ben-Sira. B.S.Ed.'75, University of Houston; M.A.'78, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: A Comparison of the Mechanical Characteristics of the Instep Kick Between Skilled Soccer Players and Novices.
Major Advisers: Profs. Jacqueline Shick and L. J. Stoner.

1980. Joan Marie Stevenson. B.P.H.E.'69, University of Toronto; M.A.'72, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: Timer and 35mm Camera Instrumentation to Investigate the Release of Baseball Pitchers' Fastballs and Curveballs.
Major Adviser: Prof. L. J. Stoner.

1980. Ann Louise Wagner. A.B.'58, Augustana College; M.A.'63, State University of Iowa.
Major: Physical Education. Minor: American Studies. Thesis: The Significance of Dance in Sixteenth Century Courtesy Literature.
Major Advisers: Profs. A. L. Bagley and Jeralyn Plack.

*1981. Bahman Salahshour. B.S.'70, Teacher Training College; M.A.'77, University of Northern Iowa.
Major: Physical Education. Minor: Supporting Program. Project: The Attitudes of University Soccer Participants Towards Intramural Soccer Programs at the University of Minnesota.
Major Adviser: Prof. F. M. Chapman.

* Doctor of Education Degree

Physical Education

1982. John Leroy Ewing, Jr. B.A.'74, Asbury College; M.S.'75, University of Kentucky.

Major: Physical Education. Minor: Supporting Program. Thesis: Effects of Varying Levels of Fatigue on the Rate of Force Development in Females.

Major Adviser: Prof. G. A. Stull.

*1982. Elizabeth Anne Griffin. B.S.'68, M.S.'73, Indiana University.

Major: Physical Education. Minor: Supporting Program. Project: A Study of Outdoor Education Programs Provided for Gifted Elementary and Secondary School Students by Selected Outdoor Education Centers and by Boards of Cooperative Educational Services in New York State.

Major Adviser: Prof. F. M. Chapman.

1982. Pamela Kaltenbronn Paulson. B.S.'71, University of Colorado; M.A.'74, University of Illinois.

Major: Physical Education. Minor: Supporting Program. Thesis: The Placement of the Dance Program Within the College and University in Relation to the Congruence of Goals Across Three Administrative Structures.

Major Adviser: Prof. E. M. Jaeger.

1983. John C. Conrad. B.S. with honors '73, University of Waterloo.

Major: Physical Education. Minor: Supporting Program. Thesis: The Effect of Varied Walking Exercise Prescriptions with Body Weight Held Constant on Body Composition, Physical Work Capacity and Carbohydrate and Lipid Metabolism in Type II Diabetic Men.

Major Adviser: Prof. R. C. Serfass.

1983. Bridget Ann Duos-Asche. B.A.'75, St. Olaf College; M.A.'80, University of Minnesota.

Major: Physical Education. Minor: Supporting Program. Thesis: Effects of Fatigue on the Biomechanical Characteristics of the Diagonal Stride in Cross-Country Skiing.

Major Adviser: Prof. L. J. Stoner.

1983. Constance Dee Foster. B.A.'72, California State University of Long Beach; M.A.'77, University of Southern California.

Major: Physical Education. Minor: Supporting Program. Thesis: Children's Attributions and Expectations for Perceived Outcomes, and their Perceptions of their Own and their Peers' Ability, Regarding a Motor Performance.

Major Advisers: Profs. J. J. Plack and R. W. Johnson.

1983. Philip Nelson Lundin. B.A. cum laude '74, Augsburg College; M.A.'76, University of Minnesota.

Major: Physical Education. Minor: Philosophy. Thesis: A Biomechanical Study in Comparison: Snow Skiing Versus Rollerskiing.

Major Adviser: Prof. L. J. Stoner.

1983. Heather Evelyn MacGowan. Diploma '73, Teachers' College, Wollongong.

Major: Physical Education. Minor: Supporting Program. Thesis: The Kinematic Analysis of the Walking Gait of Congenitally Blind and Sighted Children: Ages 6 to 9 Years.

Major Adviser: Prof. L. J. Stoner.

1983. Jeanette J. Marsh. B.S.'63, Mankato State University; M.S.'72, University of New Mexico.

Major: Physical Education. Minor: Supporting Program. Thesis: The Perceived Power of Faculty in Physical Education Departments in Major American colleges and Universities.

Major Adviser: Prof. E. M. Jaeger.

1983. Paul Edward Terry. B.A.'77, St. Cloud State University; M.S.'78, Mankato State University.

Major: Physical Education. Minor: Supporting Program. Thesis: The Relationship Between Multidimensional Health Locus of Control, Health Concerns, Life Events and Health Behavior.

Major Adviser: Prof. R. H. Needle.

* Doctor of Education Degree

Physical Education

1984. Larry Frederick Hamm. B.A.'70, Concordia Teachers College; M.A.'71, Michigan State University.
Major: Physical Education. Minor: Supporting Program. Thesis: Graded Exercise Testing at Three Time Intervals Soon After Myocardial Infarction.
Major Adviser: Prof. R. C. Serfass.
1984. Jean-Bernard Joseph Mallais. B.A.'67, L'Universite de Moncton; M.P.E.'69, Springfield College.
Major: Physical Education. Minor: Supporting Program. Thesis: The Effect of Color Preference on the Throwing Performance of Fourth-Grade Children.
Major Adviser: Prof. J. J. Plack.
1984. Marc Ashley Rogers. B.S.Ed.'76, State University of New York; M.Ed.'79, University of Nevada, Las Vegas.
Major: Physical Education. Minor: Supporting Program. Thesis: Creatine Kinase Isoenzymes in Serum and Skeletal Muscle of Trained Marathon Runners.
Major Adviser: Prof. G. A. Stull.
1984. Gary Alan Sables. B.A.'73, University of New York at Buffalo; M.A.'76, Mankato State University.
Major: Physical Education. Minor: Sociology. Thesis: Sport Socialization Comparisons Among Black and White Adult Male Athletes and Nonathletes.
Major Adviser: Prof. G. A. Stull.
1985. Shirley Joy Dawson. B.A. with honors '69, Wheaton College; M.A. '76, Mankato State University.
Major: Physical Education. Minor: Supporting Program. Thesis: Kinematic Analysis of the Stride Characteristics of Male and Female Cross Country Ski Racers.
Major Adviser: Prof. L. J. Stoner.
1985. Larry Dean Heinert. B.S.'77, M.A.'80, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: Effect of Stride Length Variation on Oxygen Uptake During Level and Positive Grade Treadmill Running.
Major Adviser: Prof. R. C. Serfass.
1985. Susan Kathleen Kovar. B.S. '67, University of Nebraska; M.S. '70, University of Illinois.
Major: Physical Education. Minor: Supporting Program. Thesis: Faculty Development in Physical Education in the Big Ten Universities.
Major Adviser: Prof. E. M. Jaeger.
1985. Jung-Charnng Lin. M.A. '75, National Taiwan Normal University.
Major: Physical Education. Minor: Supporting Program. Thesis: Serum Creatine Kinase Responses Following Prolonged Exercise Under Different Ambient Temperatures with Special Reference to Fitness Level.
Major Adviser: Prof. J. F. Alexander.
1985. Delmar Roy Wolfe. B.S. '72, University of Maryland; M.S. '75, University of Kentucky.
Major: Physical Education. Minor: Supporting Program. Thesis: Use of the Bioluminescence Technique for Determination of Exercise-Induced Creatine Kinase Elevation in Human Blood.
Major Adviser: Prof. G. A. Stull.
1986. Sung Cheol Lee. B.S. '81, Yonsei University; M.A. '83, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis: Biomechanical Comparison of Different Skill Levels in the Soccer Throw-In Using Computer Graphic Feedback.
Major Adviser: Prof. L. J. Stoner.

Physical Education

1986. Jean Jerome McCarthy. B.S. '56, University of Minnesota.
Major: Physical Education. Minor: Supporting Program. Thesis:
Construction of Tests in the Cognitive and Psychomotor Domains for Skin and
Scuba Diving.
Major Adviser: Prof. J. M. Shick.

Psychology

1976. Valentine John Arnold. B.A. cum laude '71, Baylor University.
Major: Psychology. Minor: Supporting Program. Thesis: Further
Explication of the Self-Monitoring Construct: Its Relationship to Coping
and Vocational Choice.
Major Adviser: Prof. R. V. Dawis.

1976. William Russell Balch. B.A. '68, Haverford College.
Major: Psychology. Minor: Child Psychology. Thesis: The Effects of
Task and Linguistic Context on Semantic and Formal Sentence Recognition
Memory.
Major Adviser: Prof. J. J. Jenkins.

1976. Jean Fay Barsaloux. B.A. '70, University of Minnesota.
Major: Psychology. Minor: Internal. Thesis: The Relationship Between
Personality and Performance on Perceptual Tasks.
Major Adviser: Prof. J. N. Butcher.

1976. Thomas Franklin Brothen. B.A. '67, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Gain/Loss
Concept and the Evaluator: First Some Good News Then Some Bad.
Major Adviser: Prof. E. S. Berscheid.

1976. Barbara Chester. B.A. magna cum laude '71, State University of New
York, Stony Brook.
Major: Psychology. Minor: Genetics. Thesis: Personality and Life
History of Female Offenders and Their Siblings: A Taxonomic and Genetic
Analysis.
Major Advisers: Profs. I. I. Gottesman and Auke Tellegen.

1976. William Gregory Graziano. B.A. with distinction '71, Franklin and
Marshall College.
Major: Psychology. Minor: Child Psychology. Thesis: Equity, Equality
and Distribution of Rewards in Same-Age and Mixed-Age Groups.
Major Adviser: Prof. E. S. Berscheid.

1976. Joel Hetler. A.B. '67, Brandeis University.
Major: Psychology. Minor: Psychiatry. Thesis: A Construct Validation
Study of Empirically Derived MMPI Types in Chemically Dependent
Populations.
Major Adviser: Prof. R. D. Wirt.

1976. Norman Gustav Hoffmann. B.S. with high honor '66, University of
Illinois.
Major: Psychology. Minor: Supporting Program. Thesis: Demographic
Variables and the MMPI.
Major Adviser: Prof. J. N. Butcher.

1976. Michael A. Hopp. B.A. with distinction '71, University of
Minnesota, Morris.
Major: Psychology. Minor: Industrial Relations. Thesis: The
Development of Rating Scales to Measure Behaviors Associated With Work
Alienation and Their Perceived Causes.
Major Adviser: Prof. J. P. Campbell.

1976. Philip Alden Jury. B.A. magna cum laude '69, Gustavus Adolphus
College.
Major: Psychology. Minor: Supporting Program. Thesis: The Concept and
Function of Importance in the Satisfaction-Importance Relationship.
Major Adviser: Prof. R. V. Dawis.

Psychology

1976. James Michael Kilkowski. A.B. cum laude '69, Harvard College.
Major: Psychology. Minor: Supporting Program. Thesis: Trait Attribution.
Major Adviser: Prof. P. E. Meehl.
1976. Barbara Jean Lovett Mauger. B.A. summa cum laude '70, B.S.N. with high distinction '70, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship Between Personality Variables, Subject Variables, and Situational Variables and Postoperative Emotional Distress.
Major Adviser: Prof. A. H. Roberts.
1976. Mark Gregory McGee. B.A. summa cum laude '73, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: A Family Study of Human Spatial Abilities.
Major Adviser: Prof. T. J. Bouchard, Jr.
1976. Mary Josephine Bradshaw Meadow. B.S. summa cum laude '57, St. Louis University; M.A. '67, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Structure of Religious Attitudes.
Major Adviser: Prof. Auke Tellegen.
1976. Claude Mitchell. B.A. cum laude '59, Southern University; M.S. '64, Howard University.
Major: Psychology. Minor: Supporting Program. Thesis: Perceiving the Gradients of Black and White Faces.
Major Adviser: Prof. J. J. Jenkins.
1976. Andrea N. Molberg. B.A. '71, Arizona State University.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Interpersonal Distance, Physical Attractiveness, and Sex on Impression Formation.
Major Adviser: Prof. M. D. Dunnette.
1976. Thomas Craig Monson. B.S. '71, University of Iowa.
Major: Psychology. Minor: Supporting Program. Thesis: Actor and Observer Differences: Sources of Divergence in Causal Attributions About Behavior.
Major Advisers: Profs. J. G. Darley and Mark Snyder.
1976. Richard Douglas Mooney. B.A. magna cum laude '69, Drew University.
Major: Psychology. Minor: Supporting Program. Thesis: Spatial and Temporal Regulation of Visual Responses in the Frog Retina by Amino Acids.
Major Adviser: Prof. D. A. Burkhardt.
1976. Philip John Pettman. B.A. cum laude '64, M.A. '66, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Consideration, Initiating Structure, Field Dependence and Student Evaluation of Teacher Behavior.
Major Adviser: Prof. R. V. Dawis.
1976. Elizabeth Decker Tanke. B.S. with high honor '71, Michigan State University.
Major: Psychology. Minor: Supporting Program. Thesis: Anticipated Future Interaction and the Self-Fulfilling Prophecy Effects of the Physical Attractiveness Stereotype.
Major Advisers: Profs. J. G. Darley and Mark Snyder.
1976. Patricia Lee Webber. B.A. '70, University of California.
Major: Psychology. Minor: Child Psychology. Thesis: The Relative Research Utility of Broad and Component Measures of Introversion-Extraversion.
Major Adviser: Prof. S. W. Scarr-Salapatek.

Psychology

1976. Alice McGaugh Young. B.S. with highest honors '71, University of Tennessee.

Major: Psychology. Minor: Pharmacology. Thesis: Effects of Morphine and Naloxone on Schedule-Controlled Behavior in the Rat and Pigeon.

Major Adviser: Prof. T. I. Thompson.

1977. Gordon Donald Armstrong. B.E.S.'72, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Displacement Behaviors in Pigeons During a Two-Choice Conditioned Discrimination Problem.

Major Adviser: Prof. R. D. Wirt.

1977. Ellen Barbara Barker. B.A.'67, Macalester College.

Major: Psychology. Minor: Genetics. Thesis: Intelligence, Education and Occupation in Families.

Major Adviser: Prof. S. W. Scarr.

1977. Thomas Edward Beniak. B.A. cum laude '69, Marquette University.

Major: Psychology. Minor: Internal Supporting Program. Thesis: The Assessment of Cognitive Deficit in Uremia.

Major Adviser: Prof. M. J. Meier.

1977. Robert McAllen Brackbill. B.A. with honor '70, Franklin and Marshall College.

Major: Psychology. Minor: Supporting Program. Thesis: A Systematic Analysis of Conditioned Fear Stimulus Control of Unsignalled Avoidance Responding: When Does a Conditioned Fear Stimulus Facilitate Avoidance Responding?

Major Adviser: Prof. J. B. Overmier.

1977. Steven Hugh Brown. B.A.'71, DePauw University.

Major: Psychology. Minor: Supporting Program. Thesis: A Comparison of the Accuracy of Conventional Tests Constructed and Scored Using the Rasch, Urry, and Classical Test Models.

Major Adviser: Prof. J. P. Campbell.

1977. Lee Stewart Brownston. A.B. with high distinction '71, University of Michigan.

Major: Psychology. Minor: Supporting Program. Thesis: Stimulus Structure and Perceptual Learning.

Major Adviser: Prof. D. L. LaBerge.

1977. Dante Cicchetti. B.S.'71, University of Pittsburgh.

Major: Psychology. Minor: Supporting Program. Thesis: Affective Development in Down's Syndrome Infants: An Organizational Perspective.

Major Adviser: Prof. P. E. Meehl.

1977. Michael Robert Cunningham. B.A. magna cum laude '72, Carleton College.

Major: Psychology. Minor: Supporting Program. Thesis: A Dual Process Interpretation of the Effects of Positive Mood and Guilt on Helping Behavior.

Major Adviser: Prof. P. C. Rosenblatt.

1977. Gordon Richard Dodge. B.A.'62, University of Minnesota; M.A.'68, University of North Dakota.

Major: Psychology. Minor: Supporting Program. Thesis: The Relationship of Ideology, Profession, Job Codification, and Location to Community Mental Health Program Development.

Major Adviser: Prof. R. D. Wirt.

1977. Barbara Dorset. B.A.'71, City University of New York.

Major: Psychology. Minor: Supporting Program. Thesis: Vocational Interest Similarity and Marital Satisfaction.

Major Adviser: Prof. S. R. Strong.

Psychology

1977. Louise Ann Douce. B.S.'71, The Ohio State University.
Major: Psychology. Minor: Supporting Program. Thesis: Career Aspirations and Career Development of Women in Relation to Adventure Scale Scores of the Strong-Campbell Interest Inventory.
Major Adviser: Prof. M. D. Dunnette.
1977. Carla Anne Hall. B.A. summa cum laude '72, St. Olaf College.
Major: Psychology. Minor: Supporting Program. Thesis: Differential Relationships of Pleasure and Distress with Depression and Anxiety Over a Past, Present, and Future Time Framework.
Major Adviser: Prof. Auke Tellegen.
1977. William Henry Hanton. B.S. with distinction '72, University of Michigan.
Major: Psychology. Minor: Supporting Program. Thesis: Prediction from Multiple Independent Variables: A Monte Carlo Comparison of Several Methods.
Major Adviser: Prof. J. P. Campbell.
1977. Luz-Mary Ramirez Harris. B.A.'68, University of Minnesota.
Major: Psychology. Minor: Psychiatry. Thesis: A Spanish Translation of the Personality Inventory for Children (PIC): Preliminary Validation.
Major Adviser: Prof. R. D. Wirt.
1977. Guido Hassin. B.S.'67, Arkansas State University; M.S.'71, University of California, Santa Barbara.
Major: Psychology. Minor: Supporting Program. Thesis: Horizontal Cells and Other Neurons of the Pikeperch Retina: Intracellular Recording and Staining with Procion Yellow Dye.
Major Adviser: Prof. D. A. Burkhardt.
1977. Gail M. Hegeman. B.A. with honors '68, Lake Forest College.
Major: Psychology. Minor: Child Psychology. Thesis: Parental Perceptions of the "Hyperactive" Child: A Hyperactivity Scale for the Personality Inventory for Children.
Major Adviser: Prof. A. J. Hafner.
1977. Jack Edward Henningfield. B.A. summa cum laude '74, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Drinking of Ethanol by Rhesus Monkeys: Characteristics of Ethanol as a Positive Reinforcer.
Major Adviser: Prof. T. I. Thompson.
1977. Anne Thibodeau Higgins. B.S. magna cum laude '72, University of Massachusetts.
Major: Psychology. Minor: Educational Psychology. Thesis: A Developmental Study of the Effects of Extraneous Stimulation on Task Performance.
Major Advisers: Profs. M. D. Hall and J. E. Turnure.
1977. John Francis House. A.B.'64, Wayne State University; M.A.'67, University of Detroit.
Major: Psychology. Minor: Supporting Program. Thesis: Lateral Frontal Slow Potential Shifts Preceding Language Acts in Deaf and Hearing Adults.
Major Adviser: Prof. M. J. Meier.
1977. John Thomas Janz. B.A. with honors '72, University of Winnipeg.
Major: Psychology. Minor: Educational Psychology. Thesis: Multivariate Prediction for Employment Selection Programs: Monte Carlo Comparisons of Configural and Combinatorial Techniques.
Major Adviser: Prof. M. D. Dunnette.

Psychology

1977. Marilyn Ann Jensen. B.A. summa cum laude '71, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Methadone and Pentobarbital on Schedule-Controlled Responding in the Pigeon.

Major Adviser: Prof. T. I. Thompson.

1977. Kenneth Michael Klein. A.B.'67, University of Pennsylvania; M.A.'69, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Death Education: An Appraisal.

Major Adviser: Prof. P. F. Briggs.

1977. Leah J. Albersheim Matas. B.A.Gen.'70, M.A.'72, University of Manitoba.

Major: Psychology. Minor: Supporting Program. Thesis: The Mother-Child Attachment Relationship and the Development of Competence in the Second Year of Life.

Major Adviser: Prof. J. N. Butcher.

1977. Robin Ladd McEntire. B.A.'66, Wellesley College.

Major: Psychology. Minor: Child Psychology. Thesis: Differential Effects of a Dozen Orienting Tasks on the Recall and Recognition of Unrelated Words.

Major Adviser: Prof. J. J. Jenkins.

1977. Diane Lillian McKinstry. B.S.'71, Fordham University.

Major: Psychology. Minor: Supporting Program. Thesis: Ego Strength, Perception of Health, and Defense Mechanisms: Relationships to Health Status.

Major Adviser: Prof. R. V. Dawis.

1977. Francis James Moynihan, Jr. B.A.'68, St. Lawrence University; M.A.'70, Cornell University.

Major: Psychology. Minor: Supporting Program. Thesis: Differential Acceptance of Trait and Habit Attributions and Their Effects upon Behavior Change in a Psychotherapy Analogue.

Major Adviser: Prof. S. R. Strong.

1977. E. Phillip Nuernberger. B.A.'67, Southern Illinois University.

Major: Psychology. Minor: Educational Psychology. Thesis: The Use of Meditation in the Treatment of Alcoholism.

Major Adviser: Prof. V. M. Schletzer

1977. Donald Earl Pannen. B.A.'67, University of Texas.

Major: Psychology. Minor: Supporting Program. Thesis: Anticipation of Future Interaction and the Estimation of Current Rewards.

Major Adviser: Prof. E. S. Berscheid.

1977. David Michael Penetar. B.A. cum laude '72, Canisius College.

Major: Psychology. Minor: Supporting Program. Thesis: Adjunctive Self-Administration of Thiopental and Ethanol During Multiple Fixed Ratio Schedules.

Major Adviser: Prof. T. I. Thompson.

1977. Baird David Peterson. B.A. cum laude '65, University of Minnesota.

Major: Psychology. Minor: Child Psychology. Thesis: The Relationship Between Proband First Admission Age and MZ and DZ Co-Twin Risk of Schizophrenia.

Major Adviser: Prof. I. I. Gottesman.

1977. Alan Dale Poling. B.A. magna cum laude '72, Alderson-Broadbent College; A.M.'74, West Virginia University.

Major: Psychology. Minor: Supporting Program. Thesis: Suppression of Ethanol-Maintained Lever Pressing by Contingently Delaying Food Availability.

Major Adviser: Prof. T. I. Thompson.

Psychology

1977. Dennis Lee Rosen. B.A. magna cum laude '70, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Development and Effect of Psychological Reactance in a Personal Sales Simulation.
Major Adviser: Prof. Ivan Ross.
1977. Kenneth Allen Schulz. B.A.'70, University of Missouri, St. Louis.
Major: Psychology. Minor: Supporting Program. Thesis: Broad and Focused Attention in Vision.
Major Adviser: Prof. D. L. LaBerge.
1977. Karl Herman Schwarzkopf. B.A. magna cum laude '67, University of Minnesota.
Major: Psychology. Minor: Internal. Thesis: Choice in Concurrent-Chain Schedules as a Function of Rate of Primary Reinforcement.
Major Adviser: Prof. Kenneth MacCorquodale.
1977. Deborah Ann Slechta. B.A. cum laude '71, M.A.'72, Western Michigan University.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Chronic Lead Acetate Administration on Fixed Interval Performance in the Rat.
Major Adviser: Prof. T. I. Thompson.
1977. Susan Lee Thornburg. B.A.'68, American University.
Major: Psychology. Minor: Educational Psychology. Thesis: An Examination of the Single Versus Dual Treatment Controversy in Chemical Dependency: Differences Between Alcoholics and Drug Addicts.
Major Adviser: Prof. M. D. Dunnette.
1977. John Charles Vaughn. B.A.'68, Eastern Washington State College.
Major: Psychology. Minor: Supporting Program. Thesis: Conditioned Reinforcement in Brief Stimulus Second-Order Schedules.
Major Adviser: Prof. Kenneth MacCorquodale.
1977. Ruth Louise Wheeler. B.A.'60, Grove City College; M.A.'62, The Ohio State University.
Major: Psychology. Minor: Supporting Program. Thesis: A Test of the Rescorla-Wagner Model: Reinforcement-Produced Conditioned Inhibitors.
Major Adviser: Prof. M. A. Trapold.
1977. Christine Johnson Wilbur. B.A. magna cum laude '70, St. Olaf College.
Major: Psychology. Minor: Supporting Program. Thesis: An Investigation of the Personality Traits, Behavioral Characteristics, and Degree of Maladjustment Exhibited by a Sample of Hospitalized Anorexia Nervosa Patients.
Major Adviser: Prof. A. J. Hafner.
1977. Leslie Jane Yonce. B.A.'64, Westhampton College.
Major: Psychology. Minor: Educational Psychology. Thesis: Availability of Human Services in Urban and Rural Areas.
Major Adviser: Prof. Kenneth MacCorquodale.
1978. F. Gregory Carey. B.A.'71, Duquesne University; M.A.'73, New School for Social Research.
Major: Psychology. Minor: Genetics. Thesis: A Clinical-Genetic Twin Study of Obsessional and Phobic States.
Major Adviser: Prof. I. I. Gottesman.
1978. Judith Ann Clementson-Mohr. B.A. magna cum laude '71, St. Olaf College.
Major: Psychology. Minor: Supporting Program. Thesis: Academic Women: Well-Being, Personality Variables and Attitudes Toward Women.
Major Adviser: Prof. R. V. Dawis.

Psychology

1978. Charles Geoffrey Dahl. B.A.'62, University of Minnesota.
Major: Psychology. Minor: Educational Psychology. Thesis: Activities and Satisfaction in Elderly People.
Major Adviser: Prof. L. H. Lofquist.
1978. Stephen Allen Daniel. B.A.'70, City University of New York; M.A.'71, Western Michigan University.
Major: Psychology. Minor: Supporting Program. Thesis: Effects of Chronic Methadone and Tetrahydrocannabinol (THC) on Temporal Discrimination Performance in the Pigeon.
Major Adviser: Prof. T. I. Thompson.
1978. William Walter Duffy. B.S.'68, M.S.'70, University of Scranton.
Major: Psychology. Minor: Supporting Program. Thesis: Frontalis Muscle Relaxation Acquisition as a Function of Differential Biofeedback Signals.
Major Adviser: Prof. Robert Warnken.
1978. John William Engel. B.S.'68, St. John's University.
Major: Psychology. Minor: Educational Psychology. Thesis: Changing Attitudes Toward the Dual Work/Home Roles of Women: University of Minnesota Freshmen, 1959-1974.
Major Adviser: Prof. Gerhard Neubeck.
1978. Laura Eleanor Puckett Evans. B.S.'52, Wayne State University; Ph.D.'68, University of Minnesota.
Major: Psychology. Minor: Internal Supporting Program. Thesis: Psychological Characteristics Related to Low and High Levels of Group Participation and Adjustment in the Residential Aged.
Major Adviser: Prof. J. N. Butcher.
1978. Lara Cyndeyrn Ferguson. A.B.'66, A.M.'67, Stanford University.
Major: Psychology. Minor: Supporting Program. Thesis: Social Competence and Prognosis in Alcoholism: A One-Year, Multivariate Follow-Up Study.
Major Adviser: Prof. R. V. Dawis.
1978. Stephen Flamer. B.A. with great distinction '69, McGill University; M.A.'71, University of Minnesota.
Major: Psychology. Minor: Educational Psychology. Thesis: The Effects of Number of Scale Alternatives and Number of Items on the Multitrait-Multimethod Matrix Validity of Likert Scales.
Major Adviser: Prof. R. V. Dawis.
1978. Wyndol Carroll Furman. B.A.'70, Duke University; M.A.'73, George Peabody College.
Major: Psychology. Minor: Supporting Program. Thesis: The Rehabilitation of Socially Isolated Preschool Children by Peer Intervention.
Major Adviser: Prof. W. W. Hartup.
1978. Rebecca Glasscock. B.A. with high honors '70, University of Texas.
Major: Psychology. Minor: Internal. Thesis: A Neuropsychological Investigation of Spina Bifida Cystica.
Major Adviser: Prof. J. N. Butcher.
1978. Harold Hill Goldsmith. B.A. with honors '72, University of Texas.
Major: Psychology. Minor: Genetics. Thesis: Behavior-Genetic Analyses of Early Personality (Temperament): Developmental Perspectives from the Longitudinal Study of Twins During Infancy and Early Childhood.
Major Adviser: Prof. I. I. Gottesman.

Psychology

1978. John Chester Gonsiorek. B.A.'73, State University of New York, Binghamton.
Major: Psychology. Minor: Supporting Program. Thesis: Use of a Battery of Cognitive Tests to Differentiate Schizophrenic from Nonschizophrenic Psychiatric Patients.
Major Adviser: Prof. R. D. Wirt.

1978. Louisa Bronson Hasen. A.B. with high distinction '71, University of Michigan.
Major: Psychology. Minor: Supporting Program. Thesis: The Apollonian-Dionysian Dichotomy: Its Cognitive and Personality Correlates.
Major Adviser: Prof. Auke Tellegen.

1978. William George Iacono. B.S.'72, Carnegie-Mellon University.
Major: Psychology. Minor: Supporting Program. Thesis: Individual Differences in Smooth Pursuit and Saccadic Eye Movements and Manual Tracking Performance in Monozygotic Twins: Some Implications for Schizophrenia.
Major Adviser: Prof. D. F. Lykken.

1978. James William Kochevar. B.A.'69, Southern Colorado State College; M.A.'70, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Transformation of an Appetitive CS into an Aversive CS and Its Implications for Mediation of Instrumental Behavior.
Major Adviser: Prof. J. B. Overmier.

1978. Richard Alan Kolotkin. B.A. magna cum laude '72, Wesleyan University.
Major: Psychology. Minor: Supporting Program. Thesis: An Experimental Investigation of the Efficacy of Programmed Generalization in a Structured Intervention for Increasing Assertiveness.
Major Adviser: Prof. R. D. Wirt.

1978. Ronette Loganzo Kolotkin. B.A.'72, Trinity College.
Major: Psychology. Minor: Supporting Program. Thesis: Assertion Training, Spouse Involvement, and Individual Differences in a Cognitive-Behavioral Treatment of Obesity.
Major Adviser: Prof. J. N. Butcher.

1978. Arthur Alfred Kuhne, Jr. B.S.'60, Hofstra College; M.S.'63, New York University.
Major: Psychology. Minor: Supporting Program. Thesis: A Multiple Choice Object Sorting Test for Research on Schizophrenic Thought Disorder.
Major Adviser: Prof. Auke Tellegen.

1978. Lawrence Alan Kutner. A.B.'74, Oberlin College.
Major: Psychology. Minor: Supporting Program. Thesis: Psychological Factors Influencing Pain in Recovery from Surgery.
Major Adviser: Prof. J. P. Brantner.

1978. Linda J. Lee. B.A.'69, Swarthmore College.
Major: Psychology. Minor: Supporting Program. Thesis: The Rokeach Dogmatism Scale and Its Relationship to College of Liberal Arts Students: Their Entering Characteristics, Progress, Majors, Degrees and Strong Vocational Interest Blank Patterns.
Major Adviser: Prof. J. G. Darley.

1978. Ann Eliza Lumry. B.A. summa cum laude '71, University of Minnesota.
Major: Psychology. Minor: Genetics. Thesis: Bipolar Affective Disorder: A Clinical-Genetic Study.
Major Adviser: Prof. I. I. Gottesman.

1978. Ross Earl Moen. B.A. magna cum laude '69, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Toward the Measurement of Academic Motivation.
Major Adviser: Prof. S. R. Strong.

Psychology

1978. Keith Herbert Nuechterlein. B.A. summa cum laude '70, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Dysfunctions of Sustained Attention and Personality Attributes of Children Vulnerable to Schizophrenia and Other Adult Psychopathology.
Major Adviser: Prof. Norman Garnezy.
1978. Ronald Clifford Page. B.A.'69, University of Minnesota.
Major: Psychology. Minor: Educational Psychology. Thesis: Similarity of Occupational Interests Among Friends: A Test of the Similarity Hypothesis and Holland's Theory.
Major Adviser: Prof. R. V. Dawis.
1978. Susan Revelle Phipps-Yonas. A.B. magna cum laude '71, Cornell University.
Major: Psychology. Minor: Supporting Program. Thesis: Visual and Auditory Reaction Time in Children Vulnerable to Psychopathology.
Major Adviser: Prof. Norman Garnezy.
1978. Richard Wilson Pohl. B.S.'70, Iowa State University.
Major: Psychology. Minor: Supporting Program. Thesis: Adventitious Taste Aversion Conditioning: Contaminant of Psychopharmacological Research.
Major Adviser: Prof. G. T. Heistad.
1978. Jane Stewart Rozsnafszky. A.B.'61, Grinnell College; M.A.'65, Drake University; M.A.'73, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship of Level of Ego Development to Q-Sort Personality Ratings in Male Alcoholics and Medical Patients.
Major Adviser: Prof. M. D. Dunnette.
1978. Sigfrid Daniel Soli. B.A. cum laude '68, St. Olaf College; B.A. summa cum laude '74, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Perceptual Segmentation of Speech.
Major Adviser: Prof. J. J. Jenkins.
1978. Marjorie Ann Sullivan. B.A. summa cum laude '72, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Role of Muscular Mediation in the Voluntary Control of Autonomic Processes.
Major Adviser: Prof. A. H. Roberts.
1978. William Bernard Swann, Jr. B.A. magna cum laude '74, Gettysburg College.
Major: Psychology. Minor: Child Psychology. Thesis: The Interpersonal Nature of Self-Conceptions.
Major Adviser: Prof. Mark Snyder.
1978. Bonnie Joy Taraldson. B.A. summa cum laude '71, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Infant Temperament: Psychometric and Theoretical Considerations.
Major Advisers: Profs. Byron Egeland and R. D. Wirt.
1978. John Ward Townsend. B.A. magna cum laude '70, Marquette University.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Food Supplementation on the Cognitive Development of Rural Guatemalan Children.
Major Adviser: Prof. E. S. Berscheid.
1978. Orville Weiszhaar. A.B.'59, South Dakota State University; M.S.'64, University of Minnesota.
Major: Psychology. Minor: Internal. Thesis: Sex Drive, Accentuation of Physical Attraction, and Marital Satisfaction.
Major Adviser: Prof. V. M. Schletzer.

Psychology

1979. Stephanie Alice Adler. A.B. cum laude '71, Brandeis University.
Major: Psychology. Minor: Supporting Program. Thesis: Platelet
Monoamine Oxidase Activity in Psychiatric Patients: Clinical, Psychometric,
and Genetic Correlates.

Major Adviser: Prof. I. I. Gottesman.

1979. Cristina Lalor Goggio Banks. A.B. with highest honors '74,
University of California, Berkeley.

Major: Psychology. Minor: Supporting Program. Thesis: A Laboratory
Study of the Decision-Making Processes in Performance Evaluation.

Major Adviser: Prof. M. D. Dunnette.

1979. Mary Jean Cichon. B.S. with highest honor '69, De Paul University.

Major: Psychology. Minor: Supporting Program. Thesis: Personality
Characteristics of Young Children as Measured by the Personality Inventory
for Children (PIC).

Major Adviser: Prof. R. D. Wirt.

1979. Mary Louise Marsh Dahl. B.A. '70, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Childrearing and
Vocational Interests: A Test of Holland's Theory.

Major Adviser: Prof. T. R. Bouchard, Jr.

1979. Romualdo Sergio Guglielmi. Laurea '72, Universita' Degli Studi Di
Roma.

Major: Psychology. Minor: Supporting Program. Thesis: A Double-Blind
Study of the Effectiveness of Skin Temperature Self-Regulation as a
Treatment for Raynaud's Disease.

Major Adviser: Prof. A. H. Roberts.

1979. Harriett Louise Copher Haynes. B.S. '63, University of Missouri;
M.S. '66, University of Minnesota.

Major: Psychology. Minor: Sociology. Thesis: The Effect of Positively
Reinforcing Directed Activity on College Freshmen's Feelings of Low
Self-Esteem.

Major Adviser: Prof. J. G. Darley.

1979. Karen Lee Hollis. B.A. '69, Slippery Rock State College.

Major: Psychology. Minor: Supporting Program. Thesis: The Effect of
Telencephalon Ablation upon the Reinforcing and Eliciting Properties of
Species-Specific Events in Betta Splendens.

Major Adviser: Prof. J. B. Overmier.

1979. Gayla Jeanne Kaibel. B.A. '67, University of Minnesota.

Major: Psychology. Minor: Educational Psychology. Thesis: Counseling
Psychology: Toward an Operational Definition.

Major Adviser: Prof. L. H. Lofquist.

1979. John Lowe. A.B. '59, George Washington University; B.D. '62,
Protestant Episcopal Theological Seminary in Virginia.

Major: Psychology. Minor: Supporting Program. Thesis: The
Psychological Characteristics of Professional Marital Family Therapists.

Major Advisers: Profs. N. M. Crewe and R. V. Dawis.

1979. David Douglas McKenna. B.A. cum laude '73, Seattle Pacific College.

Major: Psychology. Minor: Supporting Program. Thesis: Comparative
Reliabilities and Validities of an Ipsative vs. a Normative Version of
Rokeach's Value Survey.

Major Adviser: Prof. T. J. Bouchard, Jr.

1979. John David McSwigan. B.A. cum laude '74, University of Cincinnati.

Major: Psychology. Minor: Genetics. Thesis: Effects of Dopamine and
Anti-Schizophrenic Drugs on Enzymatic Parameters of Adenylate Cyclase from
Rat Striatum.

Major Adviser: Prof. I. I. Gottesman.

Psychology

1979. Eileen Lucille Quickel Monson. B.A. magna cum laude '72, Gettysburg College; M.A.'75, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Relation Recognition and Relation Preference in Verbal Analogy Items.
Major Adviser: Prof. R. V. Dawis.

1979. Sarah Gardiner Murray. B.A.'70, Wellesley College; M.A.'72, University of Arizona.
Major: Psychology. Minor: Supporting Program. Thesis: Work Personality Characteristics of Adult Women with Low and High Profiles on the SCII or SVIB Occupational Scales.
Major Adviser: Prof. R. V. Dawis.

1979. Frankie Mae Nicholson Paulson. B.A. summa cum laude '68, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Surgery and Acute Periods of Starvation in Infancy on Information Processing and Personality Development at School Age.
Major Adviser: Prof. M. D. Hall.

1979. Rohn Jay Petersen. B.S.'71, Montana State University.
Major: Psychology. Minor: Supporting Program. Thesis: The Role of Letter Identification in Word Recognition.
Major Adviser: Prof. D. L. LaBerge.

1979. Charles Mayer Rader. A.B.'72, Hamilton College.
Major: Psychology. Minor: Supporting Program. Thesis: Explorations in Synesthesia.
Major Adviser: Prof. Auke Tellegen.

1979. Laurel Ann Reinhardt. B.A. summa cum laude '72, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: A Long-Term Follow-Up Study of Chronic Pain Patients Treated with a Behaviorally-Oriented Inpatient Pain Treatment Program.
Major Adviser: Prof. A. H. Roberts.

1979. Lance W. Seberhagen. B.A.'66, Brown University; M.A.'68, Southern Methodist University.
Major: Psychology. Minor: Industrial Relations. Thesis: Sex Discrimination in Salaries Within a State Government.
Major Adviser: Prof. T. J. Bouchard, Jr.

1979. Elaine Bernadette Sloan. A.B.'66, College of Mount St. Vincent; M.A.'68, The Johns Hopkins University.
Major: Psychology. Minor: Supporting Program. Thesis: An Investigation of Relationships Between Vocational Needs and Personality.
Major Adviser: Prof. R. V. Dawis.

1979. Eugene Sanborn Urbain. A.B. with distinction '73, Stanford University.
Major: Psychology. Minor: Supporting Program. Thesis: Interpersonal Problem-Solving Training and Social Perspective-Taking Training with Impulsive Children Via Modeling, Role-Play, and Self-Instruction.
Major Advisers: Profs. J. N. Butcher and P. C. Kendall.

1979. Gregory Peter Widin. B.A. summa cum laude '74, Kenyon College.
Major: Psychology. Minor: Supporting Program. Thesis: Temporal Aspects of Hearing: Characteristics and Mechanisms.
Major Adviser: Prof. N. F. Viemeister.

1979. Robert Joseph Williams. B.A.'70, University of Colorado.
Major: Psychology. Minor: Supporting Program. Thesis: The Prediction of Job Tenure Using Selected Client, Counselor, and Counseling Process Variables.
Major Adviser: Prof. R. V. Dawis.

Psychology

1979. Michael Alan Zevon. A.B. magna cum laude '72, University of Miami.
Major: Psychology. Minor: Supporting Program. Thesis: Patterns of
Intraindividual Mood Change Over Time.
Major Adviser: Prof. R. D. Wirt.
1980. Herdie Eldred Baisden. B.G.S.'70, Rollins College.
Major: Psychology. Minor: Supporting Program. Thesis: Irrational
Beliefs: A Construct Validation Study.
Major Adviser: Prof. R. D. Wirt.
1980. Gail Michele Drauden. B.A.'68, University of Iowa.
Major: Psychology. Minor: Supporting Program. Thesis: Training in
Spatial Ability.
Major Adviser: Prof. T. J. Bouchard, Jr.
1980. Regina Marie Driscoll. A.B. magna cum laude '71, University of
Miami.
Major: Psychology. Minor: Supporting Program. Thesis: Incidental and
Intentional Learning as Measures of Selective Attention in Children
Vulnerable to Psychopathology.
Major Adviser: Prof. Norman Garnezy.
1980. Raina Elaine Eberly. B.S. summa cum laude '73, University of
Pittsburgh.
Major: Psychology. Minor: Supporting Program. Thesis: Biographical
Determinants of Vocational Values.
Major Adviser: Prof. R. V. Dawis.
1980. Thomas Robert Edman. B.A. cum laude '70, University of Notre Dame.
Major: Psychology. Minor: Supporting Program. Thesis: Learning of
Intra-phonemic Discrimination for Several Synthetic Speech Continua.
Major Adviser: Prof. J. J. Jenkins.
1980. Brian Edward Engdahl. B.A.'75, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Structure of
Biographical Data and Its Relationships to Vocational Needs and Values.
Major Adviser: Prof. L. H. Lofquist.
1980. Peter Lee Flint. B.A.'73, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Sex Differences
in the Perception of Occupational Reinforcers.
Major Adviser: Prof. L. H. Lofquist.
1980. Allan Herbert Frank. B.A. summa cum laude '71, University of
Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of
Contingency Contract Variables Upon Contract Compliance.
Major Adviser: Prof. R. W. Pickens.
1980. Celia Wolk Gershenson. A.B.'57, Barnard College.
Major: Psychology. Minor: Supporting Program. Thesis: An Investigation
of Response Duration as a Function of Duration Requirement for
Reinforcement: Some Results for Rats and Cynomolgus Monkeys.
Major Adviser: Prof. T. I. Thompson.
1980. Dorothy Kazuko Hatsukami. A.B. with distinction '73, University of
California.
Major: Psychology. Minor: Supporting Program. Thesis: Depression and
Relapse to Chemical Use in Individuals Treated for Alcohol and Drug Abuse.
Major Advisers: Profs. J. N. Butcher and R. W. Pickens.
1980. Charles Clifford Humphrey. A.B. magna cum laude '64, St. Benedict's
College.
Major: Psychology. Minor: Educational Psychology. Thesis: A
Multitrait-Multimethod Assessment of Personality Styles in Work Adjustment.
Major Adviser: Prof. L. H. Lofquist.

Psychology

1980. Jenna Rae Kohles Hutchinson. B.A.'75, Hampshire College.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship of Life Changes and Academic Success and School Adjustment in Kindergarten Children.

Major Adviser: Prof. Byron Egeland.

1980. Roger Stanley Jackson. B.A. cum laude '70, LaSalle College.
Major: Psychology. Minor: Supporting Program. Thesis: A Level of Processing Approach to Prose Learning.

Major Adviser: Prof. P. W. Fox.

1980. Louis Joseph Labeck. A.B. magna cum laude '68, Temple University.
Major: Psychology. Minor: Supporting Program. Thesis: A Comparison of Three Models of Criminal Behavior: Deterrence, Social Control, and a Utility-Based Social Decision Model.

Major Adviser: Prof. R. D. Wirt.

1980. Gary Richard Langer. B.A.'68, St. Johns University; M.A.'72, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Relation of Test-Taking Strategy and Selected Factors to Outcome on Objective Tests.
Major Adviser: Prof. R. V. Dawis.

1980. Leah Sue Larkey. B.A.'74, Hampshire College.
Major: Psychology. Minor: Supporting Program. Thesis: The Role of Prosodic Information in Speech Perception.
Major Advisers: Profs. J. J. Jenkins and H. L. Pick, Jr.

1980. Janice Anne Lawry. B.S. summa cum laude '74, University of Pittsburgh.
Major: Psychology. Minor: Child Psychology. Thesis: The Effects of Letter, Letter Order, and Whole Word Transformations on Word Processing.
Major Adviser: Prof. D. L. LaBerge.

1980. Robert S. Lichtenstein. A.B. with distinction '73, University of California, Berkeley; M.A.'75, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Identifying Children with Special Educational Needs Via Preschool Screening: Binet Revisited.
Major Adviser: Prof. Byron Egeland.

1980. Denis Joseph Lichter. B.A.'74, M.S.'76, Marquette University.
Major: Psychology. Minor: Supporting Program. Thesis: The Prediction of Job Satisfaction as an Outcome of Career Counseling.
Major Adviser: Prof. R. V. Dawis.

1980. Frederick Gregory Lopez. B.A. maxima cum laude '69, St. Edward's University; M.A.'76, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Effects of Direct and Paradoxical Instructions on Client and Relationship Variables in Brief Counseling.
Major Adviser: Prof. R. G. Loper.

1980. Joseph Anthony Micucci. A.B. magna cum laude and with distinction '74, Cornell University.
Major: Psychology. Minor: Supporting Program. Thesis: An Investigation of Linear and Configural Prediction with the MMPI.
Major Adviser: Prof. I. I. Gottesman.

1980. David Stephen Pellegrini. B.A. cum laude '74, Tufts University.
Major: Psychology. Minor: Supporting Program. Thesis: The Social-Cognitive Qualities of Stress-Resistant Children.
Major Adviser: Prof. Norman Garnezy.

Psychology

1980. Gay Helen Perkins. B.S.'71, Cornell University.

Major: Psychology. Minor: Supporting Program. Thesis: The Relationship Between Sex Differences in Measured Interests and in Job and Leisure Activities.

Major Adviser: Prof. M. D. Dunnnette.

1980. Norman Gene Peterson. B.A.'69, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: The Development of a Generalizability Model of Job Analysis and Its Application to a Study of the State Patrol Officer Job Using a Self-Administered Checklist.

Major Adviser: Prof. J. P. Campbell.

1980. Robert Andrew Prosser. B.S. summa cum laude '75, University of Wisconsin, Milwaukee.

Major: Psychology. Minor: Supporting Program. Thesis: Reinforcement and Hypohedonia in Schizophrenia.

Major Advisers: Profs. G. R. Leon and R. W. Pickens.

1980. Daniel Edward Rohe. B.A. cum laude '73, The Ohio State University; M.A.'80, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Change in Vocational Interests After Disability.

Major Adviser: Prof. G. T. Athelstan.

1980. Paul Richard Sanders. A.B.'69, Cornell University.

Major: Psychology. Minor: Supporting Program. Thesis: The Suspension of Perceptual Closure: Theory and Phenomenology.

Major Adviser: Prof. Auke Tellegen.

1980. Matthew Ullman. B.A. with distinction '74, Swarthmore College.

Major: Psychology. Minor: Supporting Program. Thesis: An MMPI Study of the Relationship Between Personality and Criminal Sexual Behavior.

Major Adviser: Prof. J. N. Butcher.

1980. Cathleen Marie Urbain. B.A. magna cum laude '69, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Differing Effects of Intermittent Food Delivery on Schedule Related Behavior in Guinea Pigs and Rats.

Major Adviser: Prof. T. I. Thompson.

1980. Charles David Vale. B.A.'72, Boise State College.

Major: Psychology. Minor: Supporting Program. Thesis: Development and Evaluation of an Adaptive Testing Strategy for Use in Multidimensional Interest Assessment.

Major Adviser: Prof. D. J. Weiss.

1980. Jerry Wald. A.B.'72, Princeton University.

Major: Psychology. Minor: Child Psychology. Thesis: Perceiving Everyday Activities: A Characterization of the Visual Information for "Who Does What to 'Whom'".

Major Adviser: Prof. J. J. Jenkins.

1981. Joseph P. Blount. B.A. cum laude '70, Vanderbilt University.

Major: Psychology. Minor: Child Psychology. Thesis: The Role of Depth Cues, Pictorial and Distal Size Ratios, and Practice in "Sameness" Judgements.

Major Adviser: Prof. J. J. Jenkins.

1981. Donald Joseph Brunnquell. B.A. summa cum laude '74, Lawrence University.

Major: Psychology. Minor: Supporting Program. Thesis: Magical Thinking as a Developmental and Clinical Phenomenon.

Major Adviser: Prof. Auke Tellegen.

Psychology

1981. Monika Christianson. B.A. with distinction '69, Wayne State University.

Major: Psychology. Minor: Supporting Program. Thesis: Personality and Need Correlates of Stress.

Major Adviser: Prof. R. V. Dawis.

1981. Leslie I. Crichton. B.S. with honors '71, University of Illinois.

Major: Psychology. Minor: Supporting Program. Thesis: Effect of Error in Item Parameter Estimates on Adaptive Testing.

Major Adviser: Prof. D. J. Weiss.

1981. Peter Mark Eisenberg. B.A.'76, Carnegie-Mellon University.

Major: Psychology. Minor: Supporting Program. Thesis: The Effect of Text-Constraints on Error Detection and Eye Movements During Real-Time Reading.

Major Advisers: Profs. D. L. LaBerge and Albert Jonas.

1981. Carl Cornelius Epp. B.S.'65, University of Nebraska, Omaha;

M.Div.'69, Bethel Theological Seminary.

Major: Psychology. Minor: Supporting Program. Thesis: Self Esteem and Other Self-Concept Dimensions.

Major Adviser: Prof. R. V. Dawis.

1981. Michael James Ferrarese. B.A. summa cum laude '75, University of California, Los Angeles.

Major: Psychology. Minor: Supporting Program. Thesis: Reflectiveness-Impulsivity and Competence in Children Under Stress.

Major Adviser: Prof. Norman Garnezy.

1981. Nancy Lynne Hammond. B.A.'74, New College; M.A.'79, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: The Legal Implications of the Disease Model of Alcoholism.

Major Adviser: Prof. Auke Tellegen.

1981. James van Loan Haxby. B.A. magna cum laude '73, Carleton College.

Major: Psychology. Minor: Supporting Program. Thesis: Comprehension and Retention of Prose in Alcoholic Korsakoff's Syndrome.

Major Adviser: Prof. Auke Tellegen.

1981. Leaetta Marie Hough. B.A. summa cum laude '70, M.A.'73, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Development and Evaluation of an Accomplishment Based Method of Selecting and Promoting Professionals.

Major Adviser: Prof. Auke Tellegen.

1981. Susan Kaiser. A.B.'66, University of California, Berkeley.

Major: Psychology. Minor: Supporting Program. Thesis: Relationships of Therapist and Patient Variables with Disposition at a Crisis Intervention Center.

Major Adviser: Prof. M. J. Meier.

1981. Dennis Lee Keierleber. A.B. with high distinction '69, University of Michigan.

Major: Psychology. Minor: Supporting Program. Thesis: The Relationship Between Measured Vocational Abilities and Interests: A Reassessment.

Major Adviser: Prof. R. V. Dawis.

1981. Rodger Clark Kollmorgen. B.A.'59, M.A.'61, Michigan State University; M.D.'64, Wayne State University.

Major: Psychology. Minor: Psychiatry. Thesis: Deleterious Effects of Neuroleptic Persons.

Major Adviser: Prof. R. D. Wirt.

Psychology

1981. Gregory Paul Korgeski. B.S. magna cum laude '76, University of Scranton.
Major: Psychology. Minor: Supporting Program. Thesis: Psychological, Neuropsychological and Medical Correlates of Self-Reported and Objective Ratings of Herbicide Exposure Among Vietnam Veterans.
Major Adviser: Prof. G. R. Leon.
1981. Robert N. Kraft. A.B. with honors '75, Grinnell College.
Major: Psychology. Minor: Supporting Program. Thesis: The Psychological Reality of Cinematographic Principles: Camera Angle and Cutting.
Major Adviser: Prof. J. J. Jenkins.
1981. Cynthia E. Marsh. B.A.'70, with highest honor, Hamline University.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship of Values, Abilities, and Selected Demographic Characteristics to Career Orientation in Adult Women: A Multidimensional Contingency Analysis.
Major Adviser: Prof. R. V. Dawis.
1981. Katharine Ann Wiesner McGovern. B.A.'69, Carleton College; B.A.'73, University of Minnesota.
Major: Psychology. Minor: Internal. Thesis: Approximant Consonants in Word-Initial Clusters: Experiments in Speech Synthesis and Perception.
Major Adviser: Prof. J. J. Jenkins.
1981. Matthew Kerry McGue. B.A. with high honors '75, University of California, Berkeley.
Major: Psychology. Minor: Supporting Program. Thesis: Ridge Regression: Estimation and Prediction.
Major Adviser: Prof. T. J. Bouchard, Jr.
1981. James Stephen Moran. B.A., M.A.'74, The Johns Hopkins University.
Major: Psychology. Minor: Supporting Program. Thesis: Assessment of Stressful Life Events in Women with Anorexia Nervosa.
Major Adviser: Prof. G. R. Leon.
1981. Margaret Mary O'Dougherty. B.S. summa cum laude '73, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship Between Early Risk Status and Later Competence and Adaptation in Children Who Survive Severe Heart Attacks.
Major Adviser: Prof. Norman Garnezy.
1981. Jeff M. Patterson. B.S.'75, University of Illinois.
Major: Psychology. Minor: Supporting Program. Thesis: The Dynamics of Motivation: An Assessment of the Opponent-Process Model.
Major Adviser: Prof. J. B. Overmier.
1981. Cathy Anne Redd. B.A.'75, Oberlin College.
Major: Psychology. Minor: Supporting Program. Thesis: Assessment of Situational Determinants in Reported Assertiveness.
Major Adviser: Prof. V. M. Schletzer.
1981. James Barry Rounds, Jr. B.A. magna cum laude '70, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Comparative and Combined Utility of Need and Interest Data in the Prediction of Job Satisfaction.
Major Advisers: Profs. R. V. Dawis and L. H. Lofquist.
1981. James Cameron Rush. B.A.'68, University of Western Ontario; M.A.'71, University of Detroit.
Major: Psychology. Minor: Supporting Program. Thesis: Antecedents and Consequences of Work Related Attitudes.
Major Adviser: Prof. J. P. Campbell.

Psychology

1981. Rose Marie Salazar. B.A., B.S. cum laude '70, St. Scholastica's College; M.S.'72, De La Salle University.

Major: Psychology. Minor: Supporting Program. Thesis: The Prediction of Satisfaction and Satisfactoriness for Counselor Training Graduates.

Major Adviser: Prof. R. V. Dawis.

1981. Glenna Margaret Schroeder. B.A. cum laude '68, University of Texas.

Major: Psychology. Minor: Supporting Program. Thesis: Development of an Objective Personality Scale for Research on Disposition to Episodes of Self and Reality Disturbance.

Major Adviser: Prof. Auke Tellegen.

1981. Berna Joyce Skrypnik. B.A. with first class honors '74, University of Alberta.

Major: Psychology. Minor: Supporting Program. Thesis: Blaming the Victim: A Self-Protective Attributional Analysis.

Major Adviser: Prof. Mark Snyder.

1981. Cathrine Ann Wambach. B.A.'71, University of Minnesota.

Major: Psychology. Minor: Educational Psychology. Thesis: The Effects of Counselor Interpretations and Attributions on Client's Perceptions of Problem Behavior, Self Esteem and Ratings of Counselor Characteristics.

Major Adviser: Prof. S. R. Strong.

1982. Haya Ascher-Svanum. B.A.'73, Tel-Aviv University; M.A.'77, University of Minnesota.

Major: Psychology. Minor: Psychiatry. Thesis: Alcohol Use and Psychological Distress During the Menstrual Cycle.

Major Advisers: Profs. R. W. Pickens and Auke Tellegen.

1982. Norma Huth Banks. B.A.'72, University of California, Berkeley.

Major: Psychology. Minor: Supporting Program. Thesis: Description and Classification of Work Personalities of Incarcerated Criminal Offenders.

Major Adviser: Prof. R. G. Loper.

1982. Robert Christopher Barden. B.A. summa cum laude '76, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Induction and Remediation Effects of Different Modes of Affective Experience on Cognitive, Social, and Expressive Behavior.

Major Adviser: Prof. J. C. Masters.

1982. Patrick Michael Beardsley. B.A. summa cum laude '74, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Effects of Minimum-Interdrink Interval, Response Requirement, and Ethanol Concentration on Ethanol-Maintained Performance of Rats.

Major Adviser: Prof. T. I. Thompson.

1982. David Alan Bownas. B.A. magna cum laude '71, Case Western Reserve University.

Major: Psychology. Minor: Supporting Program. Thesis: Comparison of Construct-Based and Empirical Predictor Weighting Models.

Major Adviser: Prof. J. P. Campbell.

1982. Philip Marshall Catchings, Jr. B.A.'72, Millsaps College.

Major: Psychology. Minor: Supporting Program. Thesis: Studies of Smoking Topography.

Major Adviser: Prof. R. W. Pickens.

1982. Lee Anna Clark. B.A. with distinction '72, M.A.'77, Cornell University.

Major: Psychology. Minor: Supporting Program. Thesis: A Consolidated Version of the MMPI in Japan: Development of the Translation and Evaluation of Equivalence.

Major Adviser: Prof. J. N. Butcher.

Psychology

1982. Sheila Jane Cox. B.A. magna cum laude '66, California State College, Long Beach; M.A.'71, University of California, Berkeley.
Major: Psychology. Minor: Genetics. Thesis: Cerebral Plasticity and Epilepsy: A Neuropsychologic Study.
Major Adviser: Prof. M. J. Meier.
1982. Brian Lee Davis. B.S.'74, Iowa State University.
Major: Psychology. Minor: Supporting Program. Thesis: The Effectiveness of Computer Assisted Instruction and Behavior Modeling for Performance Appraisal Training.
Major Adviser: Prof. P. R. Pinto.
1982. Ronald Neal Ehrman. B.A.'70, Washington University.
Major: Psychology. Minor: Supporting Program. Thesis: Factors Mediating the Advance Response Strategy.
Major Adviser: Prof. J. B. Overmier.
1982. Michele Elaine Fraser. B.A. with first class honors '74, University of Alberta.
Major: Psychology. Minor: Supporting Program. Thesis: The Early Life Experiences Questionnaire: A Test of Its Validity in Measuring Differential Antecedents of Specific Mental Abilities.
Major Adviser: Prof. T. J. Bouchard, Jr.
1982. Kay Lynn Gendron. B.A. summa cum laude '75, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: An Investigation of Relationships Between Empathy Test Measures and Selected Personality Traits.
Major Adviser: Prof. Ellen Betz.
1982. Terry Gottfried. B.A. summa cum laude '76, University of Minnesota.
Major: Psychology. Minor: Linguistics. Thesis: Perception of French and American English Vowels: A Cross-Language Study.
Major Adviser: Prof. J. J. Jenkins.
1982. Steven William Gust. B.A.'72, Indiana University.
Major: Psychology. Minor: Supporting Program. Thesis: Relationship of Puff Volume to Other Topographical Measures in Smoking Behavior.
Major Adviser: Prof. R. W. Pickens.
1982. Zsuzsanna Klara Gyorky. B.A. cum laude '75, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationships Among Selected Individual and Situational Variables and the Career Patterns of Women.
Major Adviser: Prof. R. V. Dawis.
1982. Betsy Anne Hirsch. B.S.'76, Jackson College of Tufts University.
Major: Psychology. Minor: Genetics. Thesis: A Cytogenetic Investigation of DNA Repair Mechanism in Alzheimer Disease.
Major Adviser: Prof. I. I. Gottesman.
1982. Deborah Ann Kendzierski. B.A.'77, Vassar College.
Major: Psychology. Minor: Supporting Program. Thesis: Acting on Attitudes: The Effects of Feedback About Past Behavior.
Major Adviser: Prof. Mark Snyder.
1982. John Michael Kruse. B.A. with high honors '77, Rutgers College.
Major: Psychology. Minor: Supporting Program. Thesis: Feedback Stimuli in Discriminative Choice Acquisition in Rats.
Major Adviser: Prof. J. B. Overmier.
1982. Thomas John Lacki. B.A. cum laude '77, Carleton College.
Major: Psychology. Minor: Supporting Program. Thesis: The Spatial Distribution of Attention.
Major Adviser: Prof. D. L. LaBerge.

Psychology

1982. Ann S. Masten. B.A. cum laude '73, Smith College.
Major: Psychology. Minor: Supporting Program. Thesis: Humor and Creative Thinking in Stress-Resistant Children.
Major Adviser: Prof. Norman Garnezy.

1982. Andrew Pakstis. B.A. cum laude '71, University of Pennsylvania.
Major: Psychology. Minor: Genetics. Thesis: Shared Common Descent Analyses and the Chromosomal Mapping of Polygenic Loci Underlying Physical and Behavioral Phenotypes.
Major Adviser: Prof. S. W. Scarr.

1982. Joseph Conrad Stankus. B.A. '69, College of the Holy Cross; M.A. '72, University of Minnesota.
Major: Psychology. Minor: Educational Psychology. Thesis: Effect of Supervisor Technical Competence on Subordinate Job Satisfaction.
Major Advisers: Profs. R. V. Dawis and S. R. Strong.

1982. Donald Starzinski. B.A. summa cum laude '73, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Ethanol on Food Reinforced Key Pecking and Schedule-Induced Attack in Pigeons.
Major Adviser: Prof. T. I. Thompson.

1982. Anne Wilder Suessbrick. B.A. magna cum laude '57, Mount Holyoke College; M.A. '58, Columbia University.
Major: Psychology. Minor: Supporting Program. Thesis: A Procedure for Studying Repeated Learning by Mentally Retarded Individuals.
Major Adviser: Prof. T. I. Thompson.

1982. Jeffrey Cleman Teal. B.A. '71, M.A. '74, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: A Multitrait-Multimethod Construct Validation Study of the Affective Sensitivity Scale Form D.
Major Adviser: Prof. G. T. Athelstan.

1982. David Bruce Watson. B.A. summa cum laude '75, Santa Clara University.
Major: Psychology. Minor: Supporting Program. Thesis: A Cross-Cultural Study of the Structure of Mood.
Major Adviser: Prof. Auke Tellegen.

1983. Moshe Tickotzky Almagor. B.A. '75, Tel-Aviv University.
Major: Psychology. Minor: Supporting Program. Thesis: The Interaction Between General Traits, Situationally Specific Traits and Situation Type in Predicting Behavior in Public Speaking Situations.
Major Adviser: Prof. Auke Tellegen.

1983. Nicki L. Davidson. B.A. magna cum laude '71, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Relationship Between Self-Esteem and Vocational Needs, Job Satisfaction and Counseling Outcome.
Major Adviser: Prof. R. V. Dawis.

1983. Robert John DeRubeis. B.A. '75, University of Wisconsin.
Major: Psychology. Minor: Supporting Program. Thesis: The Effect of Task Order on Performance and Mood in Depression.
Major Adviser: Prof. S. D. Hollon.

1983. Ellen Amy Farber. B.S. magna cum laude '78, Newcomb College of Tulane University.
Major: Psychology. Minor: Supporting Program. Thesis: Individual Differences in Emotional Responsivity Among Pre-School Children.
Major Adviser: Prof. Byron Egeland.

Psychology

1983. David Gary Finkelman. B.A. magna cum laude '72, State University of New York at Buffalo.

Major: Psychology. Minor: Internal. Thesis: The Relationships of Children's Attributes to Levels of Competence and Familial Stress.

Major Adviser: Prof. Norman Garnezy.

1983. William Merrill Grove. B.A. with special honors/high distinction '74, M.A.'77, University of Iowa.

Major: Psychology. Minor: Supporting Program. Thesis: Numerical Taxonomy of Endogenous Depression.

Major Adviser: Prof. P. E. Meehl.

1983. William Verdine Hall. B.A. magna cum laude '70, St. John's University.

Major: Psychology. Minor: Supporting Program. Thesis: A Study of the Relationship Between Vocational Needs and Job Satisfaction Among University of Minnesota Graduates.

Major Adviser: Prof. R. V. Dawis.

1983. Thomas Harold Kelly. B.A. magna cum laude '78, College of St. Thomas.

Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Methadone on the Behavioral Mechanisms of Conditioned Reinforcement and Motivation in the Pigeon.

Major Adviser: Prof. T. I. Thompson.

1983. Daniel John Kersten. B.S.Math.'76, Massachusetts Institute of Technology; M.S.'78, University of Minnesota.

Major: Psychology. Minor: Mathematics. Thesis: A Comparison of Human and Ideal Performance for the Detection of Visual Pattern.

Major Adviser: Prof. G. E. Legge.

1983. John Henry Krumberger. B.A. with distinction '75, University of Wisconsin; M.A.'79, University of Minnesota.

Major: Psychology. Minor: Educational Psychology. Thesis: The Relationship Between Interest and Adjustment to Spinal Cord Injury for Spinal Cord Injured Men.

Major Advisers: Profs. R. G. Loper and N. M. Crewe.

1983. Joyce Dann Mattson. B.S. cum laude '66, St. Lawrence University; M.A.'68, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Effects of Item Parameter Error and Other Factors on Trait Estimation in Latent Trait-Based Adaptive Testing.

Major Adviser: Prof. L. H. Lofquist.

1983. Raye Marie McPhillips. B.S. with distinction '77, Iowa State University.

Major: Psychology. Minor: Supporting Program. Thesis: A Comparison of Reinforcer Preferences in Three Modalities.

Major Adviser: Prof. R. V. Dawis.

1983. Susan Merul Resnick. B.S. magna cum laude '76, Tufts University.

Major: Psychology. Minor: Genetics. Thesis: Psychological Functioning in Individuals with Congenital Adrenal Hyperplasia: Early Hormonal Influences on Cognition and Personality.

Major Advisers: Profs. T. J. Bouchard, Jr. and I. I. Gottesman.

1983. Gary S. Rubin. B.A. summa cum laude '74, Macalester College; B.A.'76, Oxford University.

Major: Psychology. Minor: Supporting Program. Thesis: Suppression and Summation in Binocular Pattern Vision.

Major Adviser: Prof. G. E. Legge.

Psychology

1983. Deborah Jean Seaburg. B.A. summa cum laude '73, Concordia College.
Major: Psychology. Minor: Supporting Program. Thesis: Gender, Ability Level and Work Experiences as Factors in the Self-Assessment of Work Abilities.
Major Adviser: Prof. R. V. Dawis.
1983. Bruce Aaron Sevy. B.S.'76, University of Illinois.
Major: Psychology. Minor: Supporting Program. Thesis: Sex-Related Differences in Spatial Ability: The Effects of Practice.
Major Adviser: Prof. T. J. Bouchard, Jr.
1983. Mitchell Brian Sherman. B.S.'68, Brooklyn College; M.A.'70, University of Illinois.
Major: Psychology. Minor: Supporting Program. Thesis: A Social Psychological Model of the Performance Rating Process.
Major Adviser: Prof. M. D. Dunnette.
1983. David Davenport Tukey. B.A.'76, B.A. with honors '76, B.A. with highest distinction '77, Pennsylvania State University.
Major: Psychology. Minor: Supporting Program. Thesis: Inquiry Through Experimentation: A Psychological Study of Subjects' Methods of Conducting Experiments in a Rule-Learning Task.
Major Advisers: Profs. J. J. Jenkins and Eugene Borgida.
1984. Lauren Braswell. B.A. magna cum laude '78, Rice University.
Major: Psychology. Minor: Supporting Program. Thesis: Cognitive-Behavioral Therapy with an Inner City Sample of Non-Self-Controlled Children.
Major Adviser: Prof. P. C. Kendall.
1984. Joel Michael Brown. B.S.'65, M.A.'66, University of Alabama.
Major: Psychology. Minor: Supporting Program. Thesis: Similarity of Strong-Campbell Interest Inventory Scores and Profiles from Computerized Versus Paper-and-Pencil Administrations.
Major Adviser: Prof. David Weiss.
1984. Julia Davis. A.B. with high honors '74, Oberlin College.
Major: Psychology. Minor: Supporting Program. Thesis: The Early Work Adjustment of Women Engineers.
Major Adviser: Prof. R. V. Dawis.
1984. Nancy Kimberly Dess-Beech. B.A. magna cum laude '78, University of California, Los Angeles.
Major: Psychology. Minor: Supporting Program. Thesis: Changes in Controllability and Predictability: Immediate Physiological and Proactive Behavioral Effects Upon Responses to Shocks in Dogs.
Major Adviser: Prof. J. B. Overmier.
1984. Stephen Edward Finn. B.A. with high honors '78, Haverford College.
Major: Psychology. Minor: Supporting Program. Thesis: A Partial Cross-Sequential Analysis of Personality Ratings on 400 Men.
Major Adviser: Prof. Auke Tellegen.
1984. Gary L. Fischler. B.A. cum laude '77, University of Rochester.
Major: Psychology. Minor: Supporting Program. Thesis: Qualitative and Process Measures of Social-Cognitive Problem-Solving Skills in Elementary School Children: Relationships with Social and Emotional Adjustment.
Major Adviser: Prof. P. C. Kendall.
1984. Nadya A. Fouad. B.S. with distinction '77, Iowa State University.
Major: Psychology. Minor: Supporting Program. Thesis: Comparison of Interests Across Cultures.
Major Advisers: Profs. J. C. Hansen and R. V. Dawis.

Psychology

1984. Sally Ann Frutiger. B.S.'77, University of Wisconsin, River Falls; M.A.'80, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Changes in Self-Stimulation at Stimulation-Bound Eating and Drinking Sites in the Lateral Hypothalamus During Food or Water Deprivation, Glucoprivation, and Intracellular or Extracellular Dehydration.
Major Adviser: Prof. W. W. Roberts.

1984. Timothy Corbally Gartland. B.A. cum laude '73, College of the Holy Cross.

Major: Psychology. Minor: Supporting Program. Thesis: Individual Differences and Historical Trends in Work Values of Employed Adults.
Major Adviser: Prof. M. D. Dunnette.

1984. Kathleen Ann Gialluca. B.S. magna cum laude '76, Bowling Green State University.

Major: Psychology. Minor: Supporting Program. Thesis: Robustness of Univariate Change Measures Applied to Multidimensional Variables: A Monte Carlo Simulation.
Major Adviser: Prof. D. J. Weiss.

1984. Peter Samuel Glick. B.A.'79, Oberlin College.

Major: Psychology. Minor: Supporting Program. Thesis: Orientations Toward Relationships: Choosing a Situation in Which to Begin a Relationship.
Major Adviser: Prof. Mark Snyder.

1984. Jon Gottesman. B.A. with highest distinction '74, Oberlin College.

Major: Psychology. Minor: Supporting Program. Thesis: Color-Opponent Horizontal Cells in the Retina of the Bowfin, Amia calva: Intracellular Recordings and Models of Cone Inputs.
Major Adviser: Prof. D. A. Burkhardt.

1984. James Leroy Haynes. B.S. with distinction '58, Tennessee A. and I. State College; M.S.'64, University of Minnesota.

Major: Psychology. Minor: Educational Psychology. Thesis: The Influence of Selected Item Characteristics and Group Differences in Analogy Test Performance.
Major Adviser: Prof. R. V. Dawis.

1984. George Arthur Henly. B.S. with distinction '72, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: The Prediction of Vocational Preference, Inventoried Interests, and Expectation of Satisfactory Performance: A Test of an Individual-Occupational Correspondence Model Based Upon the Theory of Work Adjustment.
Major Adviser: Prof. R. V. Dawis.

1984. Jeanne Goodman Herzog. B.A. summa cum laude, with highest distinction '76, University of Rochester.

Major: Psychology. Minor: Supporting Program. Thesis: Life Events as Indices of Family Stress: Relationships With Children's Current Levels of Competence.
Major Adviser: Prof. Norman Garnezy.

1984. Mary Dee Hicks. B.A. magna cum laude '75, Gustavus Adolphus College; M.A.'83, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: The Relationship of Life Changes, Causal Attributions, and Self-Efficacy to Adjustment Following Marital Separation and Divorce.
Major Advisers: Profs. S. D. Brown and R. V. Dawis.

1984. Nancy Carol Holt. B.A.'74, Gustavus Adolphus College.

Major: Psychology. Minor: Supporting Program. Thesis: The Relation Between Individual Vocational Needs and Work Environment Reinforces in Sample of Food Service Workers.
Major Adviser: Prof. L. H. Lofquist.

Psychology

1984. Thomas Lee Johnson. B.A. magna cum laude '74, St. Olaf College.
Major: Psychology. Minor: Supporting Program. Thesis: Expertise in
Cardiac Auscultation: Perception of Relative Intensities and Timing of
Second Heart Sound Components.
Major Adviser: Prof. P. E. Johnson.

1984. John David Kamp. B.S. with high honors '74, B.A. with highest
honors '74, University of Texas.
Major: Psychology. Minor: Supporting Program. Thesis: An Individual
Differences Study of the Contributions of Imaginative Ability and
Compliance Motivation to Hypnotic Responsiveness.
Major Adviser: Prof. Auke Tellegen.

1984. Guilford Gage Kingsbury. B.S.'74, The Ohio State University.
Major: Psychology. Minor: Educational Psychology. Thesis: Adaptive
Self-Referenced Testing as a Procedure for the Measurement of Individual
Change Due to Instruction: A Comparison of the Reliabilities of Change
Estimates Obtained From Conventional and Adaptive Testing Procedure.
Major Adviser: Prof. D. J. Weiss.

1984. Dale Joseph Kliner. B.A. summa cum laude '76, University of
Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Effects of
Food Deprivation, FR Size and Drug Concentration on Oral Pentobarbital
Self-Administration Behavior in Rhesus Monkeys.
Major Adviser: Prof. T. I. Thompson.

1984. Claire Ann Kolmodin. B.A. summa cum laude '74, Bethel College.
Major: Psychology. Minor: Supporting Program. Thesis: A Study of the
Factors Relating to Employee Movement Within and Between Organizations.
Major Adviser: Prof. J. P. Campbell.

1984. Patricia Lynn Layton. B.A.'72, University of Iowa.
Major: Psychology. Minor: Supporting Program. Thesis: Self-Efficacy,
Locus of Control, Career Salience and Women's Career Choice.
Major Adviser: Prof. Ellen Betz.

1984. Linda E. Ledray. B.S.N.'69, M.A.'71, University of Washington;
M.A.'84, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Impact of
Rape and the Relative Efficacy of Guide to Goals and Supportive Counseling
as Treatment Models for Rape Victims.
Major Adviser: Prof. S. D. Hollon.

1984. Michelle Marie Mitchell. B.A.'75, University of California,
Berkeley.
Major: Psychology. Minor: Supporting Program. Thesis: Perceptions of
Intraorganizational Mobility Requirements.
Major Adviser: Prof. J. P. Campbell.

1984. Teena Moy. B.A. magna cum laude '75, University of Utah.
Major: Psychology. Minor: Supporting Program. Thesis: An Exploration
of the Vocational Values and Needs of Chinese Students.
Major Adviser: Prof. Ellen Betz.

1984. Patricia Lynn Owen. B.A. summa cum laude '74, University of
Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: The Measurement
of the Concept of Denial Among Alcoholics.
Major Advisers: Profs. Auke Tellegen and A. J. Hafner.

1984. Phyllis White Phelan. B.A. honors '73, M.A.'77, College of William
and Mary in Virginia.
Major: Psychology. Minor: Supporting Program. Thesis: Toward a
Social-Cognitive Model of Bulimia: Role of Salient Beliefs, Self-Efficacy,
and Self-Schema.
Major Advisers: Profs. Eugene Borgida and G. R. Leon.

Psychology

1984. Stephen Fairfield Poland. A.B. '64, University of California, Berkeley; M.S. '67, The Pennsylvania State University.
Major: Psychology. Minor: Supporting Program. Thesis: Views of Parents and Professionals Regarding Parental Participation in Assessment and Decision Making Using Delphi Methods.
Major Adviser: Prof. R. A. Weinberg.

1984. Jeffrey Powers Prince. A.B. '76, Cornell University.
Major: Psychology. Minor: Supporting Program. Thesis: Investigating College Student Attrition: An Application of Holland's Theory of Vocational Choice.
Major Adviser: Prof. J. C. Hansen.

1984. Lorian Roberson. B.A. '77, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Development and Validation of the Work Concerns Inventory, a Measure of Employee Work Goals.
Major Adviser: Prof. J. P. Campbell.

1984. Deborah Meg Rosenberg. B.A. summa cum laude '75, University of Colorado at Boulder.
Major: Psychology. Minor: Supporting program. Thesis: The Quality and Content of Preschool Fantasy Play: Correlates in Concurrent Social-Personality Function and Early Mother-Child Attachment Relationships.
Major Adviser: Prof. L. A. Sroufe.

1984. Robert Frank Silzer. B.A. '72, Southern Illinois University; M.S. '74, Florida State University.
Major: Psychology. Minor: Supporting Program. Thesis: Clinical and Statistical Prediction in a Management Assessment Center.
Major Adviser: Prof. M. D. Dunnette.

1984. Gloria Blanche Wood. B.A. with honors '71, Hamline University.
Major: Psychology. Minor: Supporting Program. Thesis: The Accuracy of Counselors' First Impressions Using Methods Based On The Interpersonal Tracking Task and The Theory of Signal Detection.
Major Adviser: Prof. R. V. Dawis.

1984. Debby Ruth Zweig. B.S. '79, University of Toronto; M.A. '81, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: A Comparison of Attitude Change Techniques Within a Cognitive-Therapy Context.
Major Adviser: Prof. S. D. Brown.

1985. Sidney Paul Bacon. B.G.S. with distinction '77, University of Kansas.
Major: Psychology. Minor: Supporting Program. Thesis: Temporal Factors in Simultaneous Pure-Tone Masking.
Major Adviser: Prof. N. F. Viemeister.

1985. Clayton Merl Bawden. B.A. '49, Macalester College.
Major: Psychology. Minor: Supporting Program. Thesis: Combat Stress and Cognitive Styles in Vietnam Combat Veterans.
Major Adviser: Prof. R. G. Loper.

1985. Nancy Carol Brekke. B.A. summa cum laude '79, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Expert Scientific Testimony in Rape Trials.
Major Adviser: Prof. Eugene Borgida.

1985. David Martin Brings. B.A. '72, M.A. '74, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Loneliness, Perception of Control, and Health.
Major Adviser: Prof. R. G. Loper.

Psychology

1985. Austin Timothy Church. B.S. magna cum laude '70, Lafayette College.
Major: Psychology. Minor: Supporting Program. Thesis: Toward Culture-Relevant Conceptions and Assessment of Healthy Filipino Personality: An Investigation, Based on Filipino College Students, of the Semantic and Correlational Structure of Healthy Personality.
Major Adviser: Prof. Auke Tellegen.
1985. Kenneth George DeBono. A.B. with honors, '80, Grinnell College.
Major: Psychology. Minor: Supporting Program. Thesis: Attitudes and Persuasion: Functional Theories Revisited.
Major Adviser: Prof. Eugene Borgida.
1985. Pamela Joan Kneisel. B.A. cum laude '76, Dartmouth College; M.A. '78, University of Maryland at College Park.
Major: Psychology. Minor: Supporting Program. Thesis: A Developmental Study of Social Support and Interpersonal Stress in Female Adolescents.
Major Adviser: Prof. Auke Tellegen.
1985. Michael Aboud Nader. B.S. with distinction, honors '82, Wayne State University.
Major: Psychology. Minor: Supporting Program. Thesis: The Interaction of Different Reinforcement Schedule Histories with the Behavioral Effects of Methadone.
Major Adviser: Prof. T. I. Thompson.
1985. Glenn Scott Pickering. B.E.E. with distinction '76, University of Minnesota; M.Div. '80, United Theological Seminary.
Major: Psychology. Minor: Supporting Program. Thesis: An Empirical Study of a Sample of Reentry Women.
Major Adviser: Prof. R. V. Dawis.
1985. David Bradley Sanders. A.B. with honors '79, Princeton University.
Major: Psychology. Minor: Supporting Program. Thesis: Psychological Characteristics of Patients Suffering from Erectile Failure.
Major Adviser: Prof. G. R. Leon.
1985. Randle Clark Schmalz. B.A. summa cum laude '79, Gustavus Adolphus College.
Major: Psychology. Minor: Supporting Program. Thesis: The Psychosocial Adjustment of Adolescents with Myelomeningocele.
Major Adviser: Prof. G. R. Leon.
1985. Ellen Bauer Snoxell. B.A. magna cum laude '78, Carleton College.
Major: Psychology. Minor: Supporting Program. Thesis: Vocational Need Satisfaction and Retirement Adjustment.
Major Adviser: Prof. R. V. Dawis.
1985. Frank Anthony Zelko. B.A. summa cum laude '77, Case Western Reserve University.
Major: Psychology. Minor: Supporting Program. Thesis: Strategies of Visual Search in Attention Deficit Disorder.
Major Adviser: Prof. M. J. Meier.
1986. Robin Gayle Cooper. B.S. '73, University of Illinois.
Major: Psychology. Minor: Supporting Program. Thesis: Occupational Stress in Police Work.
Major Adviser: Prof. V. M. Schletzer.
1986. Lucinda Cummings. B.A. summa cum laude '79, University of Minnesota.
Major: Psychology. Minor: Supporting Program. Thesis: Developmental Treatment of Childhood Social Isolation.
Major Advisers: Profs. P. C. Kendall and J. N. Butcher.

Psychology

1986. Steven Warren Gangestad. A.B. with distinction '78, Stanford University.

Major: Psychology. Minor: Supporting Program. Thesis: On the Etiology of Individual Differences in Self-Monitoring and Expressive Self-Control: Testing the Case of Strong Genetic Influence.

Major Adviser: Prof. Mark Snyder.

1986. Rosa Esther Garcia-Peltoniemi. B.A. with highest honors '76, University of Texas.

Major: Psychology. Minor: Supporting Program. Thesis: Intermorbid Personality Functioning in the Affective Disorders: A Study of Unipolar and Bipolar Depressive Women.

Major Advisers: Profs. J. N. Butcher and S. D. Hollon.

1986. Beth Alayne Howard-Pitney. B.A. '78, Stephens College.

Major: Psychology. Minor: Supporting Program. Thesis: Protection Motivation Theory and Self-Persuasion: Assessing the Effects of Health Threat Communications on Intentions and Behavior.

Major Adviser: Prof. Ellen Berscheid.

1986. Steven Eugene Lammlein. A.B. with honors '78, University of Missouri.

Major: Psychology. Minor: Supporting Program. Thesis: Proposal and Evaluation of a Model for Job Knowledge Testing.

Major Adviser: Prof. M. D. Dunnette.

1986. Luanne Parker Laurents. B.A. '71, Beloit College; M.A. '72, Mankato State College.

Major: Psychology. Minor: Supporting Program. Thesis: The Effects of Comparable Worth Adjustments on Employee Attitudes and Behavior.

Major Adviser: Prof. R. V. Dawis.

1986. Gregory Allan Lemaire. B.A. '78, University of Minnesota.

Major: Psychology. Minor: Supporting Program. Thesis: Oral Drug Self-Administration in Rhesus Monkeys: Interactions Between Drug Amount and Fixed-Ratio Size.

Major Adviser: Prof. T. I. Thompson.

1986. Harvey David Linder. B.A. cum laude '72, Duke University.

Major: Psychology. Minor: Supporting Program. Thesis: A Contextual Life Events Interview as a Measure of Stress: A Comparison of Questionnaire-Based Versus Interview-Based Stress Indices.

Major Adviser: Prof. Norman Garnezy.

1986. Carol Ann Paradise. B.A. '77, Wright State University.

Major: Psychology. Minor: Supporting Program. Thesis: Description and Analysis of the Performance Rating Process in an Organizational Context with Implications for Present Approaches to the Study of Performance Rating.

Major Adviser: Prof. J. P. Campbell.

1986. Robert C. Pianta. B.S. summa cum laude '78, M.A. '78, University of Connecticut.

Major: Psychology. Minor: Supporting Program. Thesis: The Longitudinal Effects of Maternal Life Stress on the Developmental Outcomes of First Grade Children in a High Risk Sample.

Major Adviser: Prof. Byron Egeland.

1986. Kara Felicia Witt. B.A. '79, University of Washington.

Major: Psychology. Minor: Supporting Program. Thesis: A New Perspective on Clinical Judgement: The Application of Empirical Findings to Treatment Decisions.

Major Advisers: Profs. S. D. Hollon and Eugene Borgida.

Speech Science, Pathology and Audiology

1977. Arlene Earley Carney. B.S.Ed. magna cum laude '69, St. John's University; M.A.'73, University of Massachusetts.
Major: Speech Science, Pathology and Audiology. Minor: Psychology.
Thesis: An Analysis of Psychophysical Tuning Curves in Normal and Pathological Ears.
Major Adviser: Prof. W. D. Ward.

1977. Edward James Carney. B.A.'71, St. John's University; M.A.'73, University of Massachusetts.
Major: Speech Science, Pathology and Audiology. Minor: Psychology.
Thesis: The Effect of Acoustic Variation in Stimuli on Response Patterns in Dichotic Listening.
Major Adviser: Prof. C. E. Speaks.

1977. William Francis McLellan. A.B.'69, M.S.'71, University of Rhode Island.
Major: Speech Science, Pathology and Audiology. Minor: Psychology.
Thesis: Effects of Communication Failure on Speaker Vocal Intensity in Noise.
Major Adviser: Prof. G. M. Siegel.

1979. Christine Anne Fehst. B.S.Ed. summa cum laude '73, The Ohio State University; M.A.'76, University of Minnesota.
Major: Speech Science, Pathology and Audiology. Minor: Supporting Program. Thesis: Aphasic Subjects' Use of Within-Sentence Pause Time in a Sentence Comprehension Task.
Major Adviser: Prof. R. H. Brookshire.

Vocational Education

*1976. Herbert Edward Murphy. B.A.'58, North Central Bible College; B.A.'61, Bethel College; M.S.'67, St. Cloud State College.
Major: Vocational Education. Minor: Supporting Program. Project: An Investigation of the Effectiveness of Mainstreaming Handicapped With Non-Handicapped Students in Minnesota Area Vocational-Technical Institutes.
Major Adviser: Prof. D. J. Pucel.

1976. Rodger Edward Palmer. B.S.'64, M.A.'74, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Benefit-Cost Study of an Education Investment in Small Business.
Major Adviser: Prof. E. A. Persons.

1976. Paul Obert Renshaw, Jr. A.B.'58, A.M.'69, University of Michigan.
Major: Vocational Education. Minor: Supporting Program. Thesis: Basic Marketing Knowledge Needs of Secondary School Distributive Education Instructional Personnel.
Major Adviser: Prof. W. G. Meyer.

1976. John VanAst. B.S.'67, M.A.'70, Western Michigan University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Cognitive Style Mapping: Its Use in Vocational Instructor Selection and Guidance.
Major Adviser: Prof. D. J. Pucel.

1977. Marilyn Ruth Cheney-Stern. B.S. with honor '69, M.A.'70, Michigan State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Effects of Prevocational Education on Self-Estimates and Test-Estimates of Vocational Needs and Capacities of Selected Male Inmates.
Major Adviser: Prof. Jerome Moss, Jr.

*1977. Clement Edward Stapleton. B.S.'68, University of Wisconsin, Whitewater; M.S.'74, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Educational Administration.
Project: A Computer-Assisted, Competency-Based Informational System Designed to Describe Student Occupational Proficiency Levels.
Major Adviser: Prof. R. D. Ashmun.

* Doctor of Education Degree

Vocational Education

1977. Richard Eric Zackrison. B.A.'71, Seattle University; M.S.'73, Utah State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Adult Distributive Education Instructor Behavior and Effectiveness as Perceived by Students.
Major Adviser: Prof. W. G. Meyer.

1978. Deena Bay Allen. B.S.'71, M.Ed.'73, Virginia Commonwealth University.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Systematic Approach for Assessing the Teaching Performance of Vocational and Technical Instructors.
Major Adviser: Prof. M. K. Klaurens.

1978. Almond Adolph Clark. B.S.'64, Bemidji State College; M.A.'68, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Thesis: An Analysis of Leadership and Self-Confidence and/or Self-Acceptance Outcomes From Student Participation in Distributive Education Clubs of America.
Major Adviser: Prof. M. K. Klaurens.

*1978. William Edward Field. B.S.'72, State University of New York, Buffalo; M.A.'76, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Project: A Review of the Undergraduate Program in Agricultural Education at the University of Minnesota - 1977.
Major Adviser: Prof. G. H. Copa.

1978. Katy Lee Brown Greenwood. B.S.'54, M.Ed.'58, West Texas State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Philosophic Rationale for Vocational Education: Contributions of Charles A. Prosser and His Contemporaries from 1900 to 1917.
Major Adviser: Prof. G. I. Swanson.

1978. Brian Colin Jacobs. B.B.A. cum laude '72, M.B.A.'75, North Texas State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Study to Identify a Competency Pattern for the Manufacturer's Salesperson.
Major Adviser: Prof. R. D. Ashmun.

1978. John David Skinkle. B.S.'70, M.S.'71, Purdue University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Certification Standards for Vocational Educators: The Implications for Professional Development Policy.
Major Adviser: Prof. G. I. Swanson.

1979. Stanley Allen Edin. B.S.B.'61, University of Minnesota; M.Ed.'68, Colorado State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Attributes of Minnesota Secondary Vocational Center Training--Relationships Relevant to Student and Instructor Characteristics, Perceptions, Opinions and Plans.
Major Advisers: Profs. B. B. Smith and G. I. Swanson.

*1979. Elmer John Gainok. M.B.A.'66, University of Dayton.
Major: Vocational Education. Minor: Supporting Program. Project: Development of a Continuing Education Program in Business at Northern State College, Aberdeen, South Dakota.
Major Adviser: Prof. R. D. Ashmun.

1979. Grace Ann Brekke Guemple. B.S. with distinction '70, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Thesis: Design and Feasibility Test of Evaluation Standards and Criteria for Post-Secondary Distributive Education Programs.
Major Adviser: Prof. R. D. Ashmun.

* Doctor of Education Degree

Vocational Education

1979. Clyde Fernal Maurice. B.S.'73, M.S.'74, University of Wisconsin, Stout.

Major: Vocational Education. Minor: Supporting Program. Thesis: Toward an Understanding of Self-Perceived Need for Work-Related Education.

Major Adviser: Prof. B. B. Smith.

1979. Thomas Eugene Norman. B.B.A.'58, University of Georgia; M.B.A.'70, M.Ed.'71, West Texas State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: Measuring Adaptive Behavior: A Comparative Study Between Trained and Untrained Parent and Teacher Ratings of a Select Group of Exceptional Children Using the AAMD Adaptive Behavior Scale--Public School Version.

Major Adviser: Prof. E. A. Persons.

*1979. Blaine Ricks Wilson. B.S.'66, Brigham Young University; M.S.'70, Utah State University.

Major: Vocational Education. Minor: Supporting Program. Project: A Distributive Teacher Education Curriculum and Curriculum Management Systems for the University of Minnesota's Department of Business and Distributive Education.

Major Adviser: Prof. M. K. Klaurens.

*1980. Stephen Alan Benson. B.S.'64, M.A.'70, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Project: The Feasibility of a High School Sponsored Community Exploration Program.

Major Adviser: Prof. B. B. Smith.

1980. Rosemary Theres Leoni Fruehling. B.S.'54, M.A.'67, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Cross-Sectional Study of the Origins and Development of Vocational Needs of High School Students.

Major Advisers: Profs. R. V. Dawis and M. K. Klaurens.

1980. James P. Greenan. B.S.Ed.'73, State University of New York, Buffalo; M.Ed.'74, Bowling Green State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: The Reliability and Validity of Student Self-Rating and Teacher Rating Generalizable Skills Instruments for Post-Secondary Vocational Education Programs.

Major Adviser: Prof. B. B. Smith.

*1980. Roy DeWayne Henderson. A.B.'75, Belmont Abbey College.

Major: Vocational Education. Minor: Supporting Program. Project: A Study to Identify In-Service Educational Needs of Selected Minnesota Retail Business Trainers.

Major Adviser: Prof. M. K. Klaurens.

1980. Gerald Robert Schneek. B.S.'70, M.S.'72, Stout State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Study of the Variability in Diagnostic Data Usage and Educational Prescription for Vocational Special Needs Students with Handicaps.

Major Adviser: Prof. D. J. Pucel.

*1980. Dennis Ray Wubben. B.B.A.'71, University of Iowa; M.A.'78, University of Northern Iowa.

Major: Vocational Education. Minor: Supporting Program. Project: Importance and Fulfillment Ratings of Secondary Distributive Education Program Evaluative Criteria.

Major Advisers: Profs. R. D. Ashmun and G. N. McLean.

*1981. James Russell Carlson. B.A.'64, St. Cloud State College; B.S. with distinction '68, M.A.'69, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Project: An Analysis of the Content and Delivery System Needs for Small Retail Business Manager/Owners in a Four County Area in the State of Florida.

Major Adviser: Prof. R. D. Ashmun.

Vocational Education

1981. Barbara M. Gutheil. B.S.'61, Cornell University; M.A.'64, Columbia University.
Major: Vocational Education. Minor: Supporting Program. Thesis: The Migration of Rural Post-Secondary Vocational-Technical Education Graduates.
Major Adviser: Prof. G. H. Copa.
1981. Wayne Alan Nero. B.S.'68, University of Wisconsin, Stout; M.B.A.'69, University of Wisconsin; Ed.S.'77, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Study to Identify the Importance and Knowledge/Skill of Tasks Performed by Market Research Analysts for Consumer and Industrial Goods Manufacturers in the State of Wisconsin.
Major Adviser: Prof. R. D. Ashmun.
1981. Bankole Oluwafemi Ogunbameru. B.S.'76, Western Illinois University; M.S.'78, Virginia Polytechnic Institute and State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Model for Determining the Utility of Self-Assessed Competencies in Predicting Economic Success in Dairy Enterprise Management.
Major Advisers: Profs. R. P. Marvin and G. W. Leske.
1981. Rocco Pasquale Russo. B.S.'72, Concord College; M.S.'75, Rochester Institute of Technology.
Major: Vocational Education. Minor: Supporting Program. Thesis: The Validity and Reliability of a Process Evaluation Instrument for Assessing the Type and Amount of Instruction Provided to Secondary Special Needs Learners.
Major Adviser: Prof. B. B. Smith.
1981. Luther Everett Saunders. B.S.'62, Michigan State University; M.Ed.'68, Wayne State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Overall Job-Satisfaction and Its Relationship to Specific Job-related Needs, as a Basis for Occupational Grouping.
Major Adviser: Prof. Jerome Moss, Jr.
- *1981. William LaPine Warner. B.S.'65, M.A.'68, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Project: Development of Competency Based, Self-Paced Learning Modules for In-Servicing Instructors to Implement Cognitive Style Mapping Concepts with Students.
Major Adviser: Prof. R. D. Ashmun.
1982. Tony Munchi Au. B.Ed.'75, National Taiwan Normal University; M.S.'76, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Supporting Program. Thesis: Vocational Outcomes of Indochinese Refugee Graduates of the Minnesota Area Vocational Technical Institutes.
Major Adviser: Prof. D. C. Bjorkquist.
1982. Steven M. Fey. B.S.'71, M.Ed.'79, Bowling Green State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: Identification of Factors Predicting Staying Behavior Among Employees in a Traditionally High Turnover Environment.
Major Adviser: Prof. R. A. Swanson.
1982. Patrick Chefu Fusi. B.S.'73, M.S.'74, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Supporting Program. Thesis: Validation of the Minnesota Research and Development Center Instrument for Assessing Industrial Arts and Home Economics Teacher Effectiveness.
Major Adviser: Prof. B. B. Smith.

* Doctor of Education Degree

Vocational Education

1982. Brian I. Ingvalson. B.S. with distinction, M.A.'71, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Thesis: An Experimental Evaluation of an Instructional Packet on Supervised Occupational Experience Programs for Beginning Vocational Agriculture Students in Minnesota.

Major Advisers: Profs. Gary Leske and R. P. Marvin.

1982. Terry Alan Jensen. B.S.'69, M.S.'74, University of Arizona.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Study of the Influence of Secondary Vocational Education on the Ability of Some of Minnesota's Physically Handicapped High School Graduates to Participate in Post-Secondary Education and Employment.

Major Adviser: Prof. D. J. Pucel.

*1982. David Kingsbury. B.S.'69, M.S.'72, Wisconsin State University, River Falls.

Major: Vocational Education. Minor: Supporting Program. Project: The Readiness of Minnesota's Area Vocational Technical Institutes for Evaluation of Support Services Serving the Handicapped.

Major Adviser: Prof. M. K. Klaurens.

*1982. Kenneth Herbert Mills. B.S.'62, M.A.'66, University of Minnesota; Ed.Sp.'78, University of Wisconsin.

Major: Vocational Education. Minor: Supporting Program. Project: Development of a Behaviorally Based Rating Scale to Measure the Performance and Assist in the Staff Development of First-Line Supervisors in Selected Wisconsin Post-Secondary Technical Institutes.

Major Adviser: Prof. R. D. Ashmun.

1982. John Howard Olson. B.S.'64, University of Wisconsin, Platteville; M.S.'74, Stout State College.

Major: Vocational Education. Minor: Supporting Program. Thesis: Administrative Costs Associated with Tuition Charges in Minnesota Area Vocational - Technical Institutes.

Major Adviser: Prof. D. C. Bjorkquist.

1982. William Schoonmaker. B.S. magna cum laude '74, State University of New York at Oswego; M.A.'76, Ball State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: The Relationship Between Selected Factors and the Enrollment of College-Bound Students in High School Industrial Arts Courses.

Major Advisers: Profs. Jerome Moss, Jr. and R. A. Swanson.

*1982. John Talbert Sheeks. B.A.'60, B.S.'67, M.A.'68, Cert.Spec.'74, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Project: The Utilization and Adequacy of Audiovisual and Computer Assisted Instructional Materials in Marketing and Distributive Education.

Major Adviser: Prof. R. D. Ashmun.

*1982. Bruce Siebold. B.S.'70, Wisconsin State University, River Falls; M.S.'71, University of Illinois; Ed.S.'78, University of Wisconsin, Stout.

Major: Vocational Education. Minor: Supporting Program. Project: A Study to Determine the Image of Post-Secondary Vocational Education in Wisconsin's Vocational Technical Adult Education District One.

Major Adviser: Prof. M. K. Klaurens.

*1982. Terry J. Squier. B.S.'74, M.S.'78, University of Wisconsin, Stout.

Major: Vocational Education. Minor: Supporting Program. Project: The Development and Evaluation of an Industrial Service Unit of Study of Junior High School Industrial Education.

Major Adviser: Prof. R.A. Swanson.

* Doctor of Education Degree

Vocational Education

1982. Roland Stoodley, Jr. B.Ed.'56, Keene State College; M.S.'64, University of Connecticut.
Major: Vocational Education. Minor: Supporting Program. Thesis: The Development and Evaluation of a Single Self-Study Method for Use in Two Year Postsecondary Institutional and Multi-Program Accreditation.
Major Adviser: Prof. R. A. Swanson.
1983. Marvin Allen Franson. B.S.'71, M.S.'73, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Supporting Program. Thesis: A Study of Relationship Between Vocational Teacher Characteristics and Perceptions of Merit Pay.
Major Adviser: Prof. D. J. Pucel.
- *1983. Jimmy George Gregar. B.S.E.'71, Wisconsin State University; M.S.'78, Winona State University.
Major: Vocational Education. Minor: Supporting Program. Project: Role Expectations of Marketing and Distributive Education Teacher Educators as Perceived by State Supervisors, College Administrators, and Teacher Educators.
Major Adviser: Prof. M. K. Klaurens.
1983. Jean Lois Hanson. B.S.'63, M.S.'70, North Dakota State University.
Major: Vocational Education. Minor: Supporting Program. Thesis: An Analysis of Selected Factors Affecting the Satisfaction with Secondary Cooperative Centers in Minnesota by Local Education Policymakers.
Major Adviser: Prof. G. I. Swanson.
- *1983. Mary K. Nelson. B.S. with high distinction '75, M.A.'78, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Project: An Analysis of the Educational Needs of Male and Female Owner/Managers of Small Businesses in the Greater St. Paul, Minnesota Area.
Major Adviser: Prof. M. K. Klaurens.
1983. Claudia Cole Satterwhite. B.S.'74, University of Texas.
Major: Vocational Education. Minor: Supporting Program. Thesis: The Development and Validation of an Evaluation Instrument for Evaluating Baccalaureate Marketing and Distributive Teacher Education Programs.
Major Adviser: Prof. R. D. Ashmun.
- *1983. Anthony J. Urbaniak. B.A.'69, St. Cloud State University; M.Ed.'76, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Project: An Appraisal and Comparison of the 2 Year and 4 Year Business Administration Program at Northern State College Based on a Follow Up of the Graduates from 1978-1981.
Major Adviser: Prof. R. D. Ashmun.
1984. Tesfahun Berhe. B.S.'77, M.S.'77, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Supporting Program. Thesis: African Refugees' Educational and Occupational Backgrounds, Present Employment and Need for Vocational Education, and Guidance in Minnesota.
Major Adviser: Prof. D. C. Bjorkquist.
1984. Everard Elias Cornwall. B.S. magna cum laude '79, M.S.'80, University of Wisconsin, Stout.
Major: Vocational Education. Minor: Industrial Relations. Thesis: Completion Rate at Minnesota Area Vocational Technical Institutes.
Major Adviser: Prof. D. C. Bjorkquist.
- *1984. Gerald Allen Davis. B.S.'63, University of Northern Iowa; M.A.'76, University of Minnesota.
Major: Vocational Education. Minor: Supporting Program. Project: Developing a Model for Needs Assessment in Marketing and Distributive Education for Use at National, State, and Local Levels.
Major Advisers: Profs. R. D. Ashmun and M. K. Klaurens.

* Doctor of Education Degree

Vocational Education

*1984. George Douglas Halonen. B.S. high honors '75, M.S.'77, St. Cloud State College.

Major: Vocational Education. Minor: Supporting Program. Project: The Feasibility of Delivering Instruction Via Telecommunications in and Around Hutchinson, Minnesota. Major Adviser: Prof. D. C. Bjorkquist.

1984. Terrence Frederick Kayser. B.F.A.'72, University of Wisconsin, Milwaukee; M.S.'76, University of Wisconsin, Stout.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Causal-Comparative Study to Test the Construct of Educational Adjustment for Postsecondary Vocational Students.

Major Advisers: Profs. B. B. Smith and J. M. Brown.

1984. Bonaventure Wanjala Kerre. B.S.'79, M.S.'81, Oregon State University.

Major: Vocational Education. Minor: Industrial Relations. Thesis: The Development of Scientific and Technological Personnel in Modern Society: An Analytical Study of Perceptions and Attitudes of Education and Industry Personnel in the State of Minnesota.

Major Adviser: Prof. G. I. Swanson.

1984. Marna Lee Mellberg. B.S.'67. B.S.'69, M.A.'70, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Thesis: Factors Affecting Private Sector Employers' Decisions to Hire Individuals Who Are Mentally Retarded.

Major Adviser: Prof. D. C. Bjorkquist.

1984. Charles Edward Yost. B.S.'66, M.S.'67, Ed.S.'76, Stout State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Study to Identify the Importance of Tasks Performed by Manufacturing Engineers for Manufacturers in the State of Wisconsin.

Major Adviser: Prof. Jerome Moss, Jr.

1985. Clint Bucher. B.S.Ed. '71, Black Hills State College; M.Ed. '73, South Dakota State University; M.A. '79, University of South Dakota. Major: Vocational Education. Minor: Supporting Program. Thesis: A Study of Perceptions of Vocational Education Purposes Associated With Vocational Service Areas in Minnesota Area Vocational Technical Institutes.

Major Adviser: Prof. D. J. Pucel.

1985. Harry Benson Burcalow. B.S. '61, University of Wisconsin; M.S. '65, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Thesis: Forecasting the Structure of Minnesota Agriculture and the Changes Needed Within the Minnesota Agricultural Extension Service by the Year 2000--A Delphi Study.

Major Adviser: Prof. G. I. Swanson.

1985. Robert John Svare. B.E.E. '69, University of Minnesota; M.S. '74, St. Cloud State University.

Major: Vocational Education. Minor: Supporting Program. Thesis: Performance in a Vocational Electronics Computer Aided Instruction Exercise as a Function of Psychological Differentiation and Lesson Structure.

Major Adviser: Prof. D. C. Bjorkquist.

*1986. Gary Donald Geroy. B.S.Ag. '73, The Ohio State University; M.Ed. '84, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Project: Education for Work: An Integration of Vocational Education and Employer Sponsored Training in Minnesota.

Major Adviser: Prof. R. A. Swanson.

* Doctor of Education Degree

Vocational Education

*1986. Janet Rose Grochowski. B.S. '71, University of Wisconsin, Madison; M.Ed. '76, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Project: Stressors, Strains, Coping, and Social Supports of the Young Adult During the Initial Adaptation to College.

Major Adviser: Prof. R. G. Thomas.

*1986. Daniel Glen Malenke. B.S. magna cum laude '76, M.S. '80, University of Wisconsin, Stout.

Major: Vocational Education. Minor: Education. Project: A Comprehensive Analysis of Interactive Video as an Instructional Delivery System in the Learning Environment.

Major Adviser: Prof. D. C. Bjorkquist.

1986. Gary Leonard Wilkes. B.S. with high distinction '76, University of Minnesota.

Major: Vocational Education. Minor: Supporting Program. Thesis: A Comparison of the Impacts of Individualized and Traditional Teaching Methods on Post-Secondary Vocational Education.

Major Adviser: Prof. D. J. Pucel.

* Doctor of Education Degree

LANGUAGE, LITERATURE AND ARTS POLICY AND REVIEW COUNCIL

American Studies

1976. Douglas Charles Balz. B.S.'66, M.S.'68, University of Illinois.
Major: American Studies. Thesis: The Interaction of the Fiction and Journalism of Norman Mailer.
Major Advisers: Profs. G. S. Hage and D. W. Noble.
1976. Abraham Krakauer Farkas. B.A.'69, M.A.'71, Purdue University.
Major: American Studies. Thesis: Prophetic Consciousness in the Socio-Political Thought of William E. Hocking: A Response to the Revolt Against Formalism.
Major Adviser: Prof. M. Q. Sibley.
1976. Margot Fortunato Kriel. A.B. magna cum laude '63, Goucher College; A.M.'65, Columbia University.
Major: American Studies. Thesis: Effluvia: An Ecological Romance.
Major Adviser: Prof. M. Q. Sibley.
1976. Robert Allan Lerfald. B.S.'63, M.A.'68, University of Minnesota.
Major: American Studies. Thesis: Hemingway's Search for the Sacred: A Study of the Primitive Religious Rituals of a Twentieth-Century American Adam.
Major Advisers: Profs. D. W. Noble and C. G. Anderson.
1976. Richard Patrick Norris. B.A.'66, Ohio State University; M.A.'68, State University of New York.
Major: American Studies. Thesis: Back-to-the-Land: The Post-Industrial Agrarianism of Ralph Borsod and Austin Tappan Wright.
Major Adviser: Prof. M. Q. Sibley.
1976. Charles Francis Owen. A.B.'74, Heidelberg College; M.A.'66, University of Nevada.
Major: American Studies. Thesis: Consumerism and Neocapitalism: The Politics of Producing Consumption.
Major Adviser: Prof. M. Q. Sibley.
1976. Francis Robert Shor. B.A. cum laude '67, University of Pittsburgh; M.A.'68, University of Minnesota.
Major: American Studies. Thesis: Toward a Dialectical Critique of Consciousness: Ideology, Class, and Culture in America.
Major Adviser: Prof. M. Q. Sibley.
1977. Bradford Clark Brayton, Jr. B.A.'65, University of Massachusetts.
Major: American Studies. Thesis: Richard Wright's Quest for Identity.
Major Adviser: Prof. D. W. Noble.
1977. Carol Ann Christensen. B.S. with high distinction '68, M.A.'71, University of Minnesota.
Major: American Studies. Thesis: Ideal Cities: Concepts and Assumptions, a Comparative Analysis of Selected Model Communities.
Major Adviser: Prof. M. Q. Sibley.
1977. Alan John Davies. B.A.'63, M.A.'66, Los Angeles State College.
Major: American Studies. Thesis: The Broken Cross.
Major Adviser: Prof. D. W. Noble.
1977. Daniel Frank Detzner. B.A.'67, University of Notre Dame; M.A.'69, Georgetown University.
Major: American Studies. Thesis: Growing Old Together: A Social History of Aging in America, 1930-1976.
Major Advisers: Profs. M. Q. Sibley and D. W. Noble.

American Studies

1977. Richard Whitt Ferguson. B.S.'58, M.A.'63, North Dakota State University.
Major: American Studies. Thesis: Herbert Quick and the Search for a New American Frontier: A Biography.
Major Adviser: Prof. M. C. Turpie.

1977. David Charles Fields. B.A.'66, University of Washington; M.A.'68, University of Minnesota.
Major: American Studies. Thesis: American Absurd: Essays on Threatened Arts.
Major Adviser: Prof. D. W. Noble.

1977. Gusti Wiesenfeld Frankel. B.A.'67, University of California; M.A.'69, San Francisco State College.
Major: American Studies. Thesis: Between Parent and Child in Colonial New England: An Analysis of the Religious Child-Oriented Literature and Selected Children's Works.
Major Adviser: Prof. Chadwick Hanson.

1977. Paul Heffron. B.A. magna cum laude '59, Yankton College; B.D.'63, Andover Newton; M.A.'70, University of Minnesota.
Major: American Studies. Thesis: The Antimilitarist Tradition of the Founding Fathers and Its Continuation in the Writings of Carl Schurz, Charles A. Beard and Walter Millis.
Major Adviser: Prof. M. Q. Sibley.

1977. Lawrence Paul Litecky. B.A.'68, College of St. Thomas; M.A.'70, University of Minnesota.
Major: American Studies. Thesis: Marcuse: Messiah and/or Monster?
Major Adviser: Prof. M. Q. Sibley.

1977. Kristin Serum McGrath. B.A. magna cum laude '64, Carleton College; A.M.'65, Stanford University.
Major: American Studies. Thesis: American Values and the Slums: A Chicago Case Study.
Major Adviser: Prof. M. Q. Sibley.

1977. Joy Lynne Wood Wetzel. B.A.'65, M.A.'67, University of Utah.
Major: American Studies. Thesis: Mormonism and the Progressive Paradigm.
Major Advisers: Profs. M. Q. Sibley and D. W. Noble.

1977. John Samuel Wright. B.E.E.'68, M.A.'71, University of Minnesota.
Major: American Studies. Thesis: Ethiopia in Babylon: Antebellum American Romanticism and the Emergence of Black Literary Nationalism.
Major Adviser: Prof. M. C. Turpie.

1978. Richard Michael Abel. B.A. cum laude '72, Miami University; M.A.'74, University of Minnesota.
Major: American Studies. Thesis: Scientific Imagination and the American Novel.
Major Adviser: Prof. B. R. Bowron, Jr.

1978. Howard Blair Christenson. B.S.'48, University of Wisconsin; M.Ed.'51, Marquette University.
Major: American Studies. Thesis: Predominant Attitudes and Their Historical Bases Which Influenced Metropolitan Planning in the Twin Cities Metropolitan Area and in Oslo, Norway.
Major Adviser: Prof. D. W. Noble.

1978. Sandra Joy Moss Holstein. B.A.'65, University of California; M.A.'71, University of Minnesota.
Major: American Studies. Thesis: "The Windless Perpetual Morning": Archetypal Primitive Symbolism in the Poetry of Theodore Roethke.
Major Advisers: Profs. M. C. Turpie and G. T. Wright.

American Studies

1978. William Edward Huntzicker. B.A.'68, Montana State University; M.A.'71, University of Minnesota.
Major: American Studies. Thesis: The University of Minnesota: The Political Ecology of an Academic Institution.
Major Adviser: Prof. M. Q. Sibley.

1978. Leonard A. Lang. B.A. with honors '70, University of Rochester; M.A.'73, University of Minnesota.
Major: American Studies. Thesis: The Impact of Classical Science on American Literature: The Creation of an Epic American Hero in Science Fiction.
Major Adviser: Prof. M. Q. Sibley.

1978. Rhoda Greene Lewin. B.A.'49, M.A.'61, University of Minnesota.
Major: American Studies. Thesis: Some New Perspectives on the Jewish Immigrant Experience in Minneapolis: An Experiment in Oral History.
Major Adviser: Prof. David Cooperman.

1978. Richard Robert Malmsheimer. A.B.'64, Colgate University; M.A.'66, Pennsylvania State University.
Major: American Studies. Thesis: From Rappaccini to Marcus Welby: The Evolution of an Image.
Major Adviser: Prof. C. A. Chambers.

1978. Jean Carwile Masteller. B.A. magna cum laude '67, Lynchburg College; M.A.'69, University of Virginia.
Major: American Studies. Thesis: Marriage or Career, 1880-1914: A Dilemma for American Women Writers and Their Culture.
Major Adviser: Prof. M. C. Turpie.

1978. Richard Nevin Masteller. A.B. with high distinction '67, The University of Rochester; M.A.'68, University of Virginia.
Major: American Studies. Thesis: Romanticisms in a Modern Mode: The Photography of Alfred Stieglitz and Edward Weston.
Major Adviser: Prof. M. C. Turpie.

1978. Ole O. Moen. Candidatus Philologiae '71, Universitet I Oslo; M.A.'74, University of Minnesota.
Major: American Studies. Thesis: The Voice of Siouxlant: Man and Nature in Frederick Manfred's Writing.
Major Adviser: Prof. D. W. Noble.

1978. Michael Paul Nessel. B.A.'65, Luther College; A.M.'67, Washington University.
Major: American Studies. Thesis: John Updike and Andrew Wyeth: The Nostalgic Mode in Contemporary American Art.
Major Adviser: Prof. D. W. Noble.

1978. John Paul Perhonis. B.A. cum laude '68, Amherst College; M.A. '72, University of Minnesota.
Major: American Studies. Thesis: The Acceptance of Early Jazz: A Study in the Interaction of Black and White in American Culture.
Major Advisers: Profs. M. Q. Sibley and Johannes Riedel.

1978. Larry Richard Peterson. B.A. summa cum laude '70, Moorhead State College; M.A.'75, University of Minnesota.
Major: American Studies. Thesis: Ignatius Donnelly: A Psychohistorical Study in Moral Developmental Psychology.
Major Advisers: Profs. M. Q. Sibley and D. W. Noble.

1978. John Robert Printz. A.B. with honors '65, Rutgers University; M.A.'68, American University.
Major: American Studies. Thesis: Through a Glass Darkly: Value Presuppositions in the Work of Robert S. Lynd.
Major Adviser: Prof. David Cooperman.

American Studies

1978. Norene Ann Davis Roberts. B.A. cum laude '68, University of Massachusetts, Amherst; M.A.'72, University of Minnesota.
Major: American Studies. Thesis: The Early Political and Administrative History of the University of Minnesota, 1851-83.
Major Adviser: Prof. M. C. Turpie.
1978. Michael Clark Steiner. B.A. magna cum laude '69, Carleton College; M.A.'71, University of Minnesota.
Major: American Studies. Thesis: The Regional Impulse in the United States, 1923-1941.
Major Adviser: Prof. M. C. Turpie.
1978. Alan Morris Struthers, Jr. B.A. with departmental honors '69, Northwestern University; M.A.'72, University of Minnesota.
Major: American Studies. Thesis: Wood and Steel: A Novel About a Rock Musician.
Major Advisers: Profs. B. R. Bowron, Jr. and Johannes Riedel.
1978. Harry Loomis Woodward. B.S.'67, M.A.'68, M.A.'73, University of Minnesota.
Major: American Studies. Thesis: In Bold and Fearless Connection: A Study of the Fiction of Flannery O'Connor and the Photography of Diane Arbus.
Major Adviser: Prof. E. M. Griffin.
1978. Neala Janis Schleuning Yount. B.A. summa cum laude '73, University of Minnesota.
Major: American Studies. Thesis: America: Song We Sang Without Knowing--Meridel LeSueur's America.
Major Adviser: Prof. M. Q. Sibley.
1979. Bennett Dean Carriere. B.A.'63, University of Southwestern Louisiana; M.A.'64, Purdue University.
Major: American Studies. Thesis: Landscape of Zeros.
Major Adviser: Prof. C. G. Anderson.
1979. Ronald Fred Dorr. A.B. with honors '62, Grinnell College; M.A.'67, Columbia University.
Major: American Studies. Thesis: Death Education in McGuffey's Readers, 1836-1896.
Major Adviser: Prof. C. A. Chambers.
1979. Karen Sue Elliott. B.S.'62, Purdue University; M.A.'75, University of Minnesota.
Major: American Studies. Thesis: The Portrayal of the American Indian Woman in a Select Group of American Novels.
Major Adviser: Prof. M. Q. Sibley.
1979. James Lamb Garity. B.S.'65, Le Moyne College; M.A.'68, Marquette University; M.A.'73, Fordham University.
Major: American Studies. Thesis: The First Brain Trust: Academics, Reform, and the Wisconsin Idea.
Major Adviser: Prof. R. A. Delattre.
1979. Gail Aileen Koch. B.A.'66, Lock Haven State College; M.A.'70, University of Minnesota.
Major: American Studies. Thesis: The General Education Movement in American Higher Education: An Account and Appraisal of Its Principles and Practices and Their Relation to Democratic Thought in Modern American Society.
Major Adviser: Prof. M. Q. Sibley.
1979. Valerie Sue Neal. B.A. summa cum laude '71, Texas Christian University; M.A.'73, University of Southern California.
Major: American Studies. Thesis: Transcendental Optics: Science, Vision, and Imagination in the Works of Emerson and Thoreau.
Major Adviser: Prof. M. C. Turpie.

American Studies

1979. Ralph Joseph Neubeck. B.A.'64, M.A.'70, University of Minnesota.
Major: American Studies. Thesis: The Art and Humor of Saul Steinberg.
Major Adviser: Prof. M. Q. Sibley.
1979. James Russell Rogers. B.A. cum laude '55, Muskingham College;
M.A.'69, University of Minnesota.
Major: American Studies. Thesis: From Class to Mass: Changing Images of
American Tennis, 1874-1979.
Major Adviser: Prof. C. S. Hage.
1980. Robert Murray Frame, III. B.A.'68, Shippensburg State College;
M.A.'70, University of Minnesota.
Major: American Studies. Thesis: The Progressive Millers: A Cultural and
Intellectual Portrait of the Flour Milling Industry, 1870-1930, Focusing on
Minneapolis, Minnesota.
Major Adviser: Prof. D. W. Noble.
1980. John Osbon Gunter. B.A.'63; M.A.'68, North Texas State University.
Major: American Studies. Thesis: Good Players.
Major Adviser: Prof. Johannes Riedel.
1980. Kathy Jean Karlson. A.B.'69, Grinnell College. M.A.'74, University
of Minnesota.
Major: American Studies. Thesis: Jamaicas of Remembrance: Emily
Dickinson and the Female Experience in America.
Major Adviser: Prof. M. Q. Sibley.
1980. Carol Elizabeth Fryand Lacey. B.A.'66, Concordia College. M.A.'69,
University of Minnesota.
Major: American Studies. Thesis: Justice for Children: Visions and
Realities in Twentieth Century America.
Major Adviser: Prof. M. Q. Sibley.
1980. Michael Paul Murphy. B.A.'69, St. John Fisher College; M.A.'73,
University of Minnesota.
Major: American Studies. Thesis: J.F. Powers: The Burden of an American
Catholic Writer.
Major Adviser: Prof. D. W. Noble.
1980. Richard Anthony Nigro. B.A.'70, St. John Fisher College; M.A.'72,
Duquesne University.
Major: American Studies. Thesis: The Limits of Vision: I.F. Stone,
Reluctant Progressive.
Major Adviser: Prof. M. Q. Sibley.
1980. John Clendenin Townsend. A.B.'63, Wayne State University; M.A.'66,
University of Pittsburgh.
Major: American Studies. Thesis: Running the Gauntlet: Cultural Sources
of Violence Against the I.W.W.
Major Adviser: Prof. Paul Murphy.
1981. William Ching-Chi Chen. B.A.'67, M.A.'70, National Taiwan Normal
University.
Major: American Studies. Thesis: Clifford Odets and TS'AO YU: American
and Chinese Dramatists of Social Protest.
Major Adviser: Prof. M. Q. Sibley.
1981. Patricia Ann Fletcher Dean. B.A.'58, Carleton College; M.A.'60,
Wellesley College.
Major: American Studies. Thesis: The Meek Get in Their Licks: Temperance
Literature of the Early Nineteenth Century as an Expression of Private
Feminism.
Major Adviser: Prof. M. Q. Sibley.

American Studies

1981. Gary Paul Henrickson. B.A. cum laude '70, M.A.'76, University of Minnesota.

Major: American Studies. Thesis: Minnesota in the "McCarthy" Period: 1946-1954.

Major Adviser: Prof. Hyman Berman.

1981. Gary Otto Larson. A.B.'73, University of California, Berkeley; M.A.'75, University of Minnesota.

Major: American Studies. Thesis: The Reluctant Patron: The United States Government and the Arts, 1945 - 1965.

Major Adviser: Prof. K.A. Marling.

1981. Donald Edward Winters, Jr. B.A. cum laude '67, California State College, Long Beach; A.M.'71, University of Michigan.

Major: American Studies. Thesis: The Soul of Solidarity: The Relationship Between the I.W.W. and American Religion in the Progressive Era.

Major Adviser: Prof. M. Q. Sibley.

1982. Carol Louise Fairbanks. B.S. with distinction '78, University of Michigan, Flint College; M.A.'71, University of Wisconsin-Eau Claire.

Major: American Studies. Thesis: Garmented with Space: American and Canadian Prairie Women's Fiction.

Major Adviser: Prof. C. G. Anderson.

1982. Robert Bruce Gremore. B.A.'69, M.A.'75, University of Minnesota.

Major: American Studies. Thesis: Fortune Magazine and the Symbolism of Government Regulation in the 1970s.

Major Adviser: Prof. M. Q. Sibley.

1982. David S. Miller. B.A.'66, Grinnell College; M.A.'71, University of Minnesota.

Major: American Studies. Thesis: An Unfinished Pilgrimage: Edwin Way Teale and American Nature Writing.

Major Adviser: Prof. M. C. Turple.

1982. Brian James Nerney. B.A.'71, Holy Cross College; M.A.'74, University of Minnesota.

Major: American Studies. Thesis: Katharine S. White, New Yorker Editor: Her Influence on the New Yorker and on American Literature.

Major Adviser: Prof. G. S. Hage.

1983. Richard Allen Chase. B.E.S. magna cum laude '75, M.A.'78, University of Minnesota.

Major: American Studies. Thesis: A Choice, A Voice, and a Piece of Property: The Culture of Neighborhood Renovation and Displacement.

Major Adviser: Prof. D. W. Noble.

1983. Karin Irene McGinnis. B.A.'62, Beloit College; M.A.'65, Northwestern University.

Major: American Studies. Thesis: The Grand Moving Panorama and American Space.

Major Adviser: Prof. M. Q. Sibley.

1983. Anedith J. Nash. B.A. cum laude '64, Baylor University; M.A.'70, Washington State State University.

Major: American Studies. Thesis: Death on the Highway: The Automobile Wreck in American Culture, 1920-1940.

Major Adviser: Prof. K. A. Marling.

1983. Mary Ellen Schmider. B.A. magna cum laude '60, St. Olaf College.

Major: American Studies. Thesis: Jane Addams' Aesthetic of Social Reform.

Major Adviser: Prof. C. A. Chambers.

American Studies

1983. Frederick W. Smith. B.A.'63, Wesleyan University; M.Div.'67, Yale Divinity School.
Major: American Studies. Thesis: THE AMAZING STORM: Business Answers to the Labor Question, 1900-1920.
Major Adviser: Prof. G. D. Green.
1984. Sue Bridwell Beckham. B.A.'60, Georgetown College; M.A.'67, The University of Mississippi.
Major: American Studies. Thesis: A Gentle Reconstruction: Depression Post Office Murals and Southern Culture.
Major Adviser: Prof. K. A. R. Marling.
1984. Susan Jean Everson. B.A. summa cum laude '61, St. Olaf College; M.A.'64, University of Minnesota.
Major: American Studies. Thesis: Bodyself: Women's Bodily Experience in Recent Feminist Theology and Women's Literature.
Major Adviser: Prof. G. G. Yates.
1984. Roy Arvid Glover. B.A. cum laude '70, St. John's University; M.A.'72, University of Minnesota.
Major: American Studies. Thesis: Josiah Royce and William James: Philosophers of the Community and the Individual.
Major Adviser: Prof. R. A. Delattre.
1984. Darryl Clyde Hattenhauer. B.A.'71, M.A.'77, Sacramento State College.
Major: American Studies. Thesis: Space and Place in Melville's The Piazza Tales.
Major Advisers: Profs. D. W. Noble and E.M. Griffin.
1984. Sung Gyung Kim. B.S.'68, Korea Military Academy; B.A.'72, M.S.'75, Seoul National University.
Major: American Studies. Thesis: Chaplains in Two Armies: United States and Korea--A Study in Comparative Ideology.
Major Adviser: Prof. R. F. Spencer.
1984. Bruce Wayne Stuart. B.A. summa cum laude '69, University of North Dakota.
Major: American Studies. Thesis: American Religious Historiography: William Warren Sweet, Perry Miller, and Sidney E. Mead.
Major Adviser: Prof. M. Q. Sibley.
1984. Wayne Malcolm Studer. B.A.'77, M.A.'78, College of William and Mary in Virginia.
Major: American Studies. Thesis: The Frustrated Muse: The Life and Works of Daniel Bryan, c.1790-1866.
Major Adviser: Prof. Martin Roth.
1984. Colette T. Wanless. B.A. cum laude '76, Macalester College; M.A.'80, University of Minnesota.
Major: American Studies. Thesis: Soil and Soul: The Experience of Southern Rural Womanhood in Selected Novels by Edith Summers Kelley, Ellen Glasgow and Elizabeth Madox Roberts.
Major Advisers: Profs. D. W. Noble and T. A. McNaron.
1985. Jeanne Beverly Barker-Nunn. B.S. with distinction '68, University of Minnesota; M.A. '77, East Carolina University.
Major: American Studies. Thesis: A More Adequate Conception: American Women Writers' Quest for a Female Ethic.
Major Advisers: Profs. T. A. McNaron and G. G. Yates.
1986. Endesha IdaMae Holland. M.A. '84, University of Minnesota.
Major: American Studies. Thesis: The Autobiography of a Parader Without a Permit.
Major Adviser: Prof. E. T. May.

American Studies

1986. Deane Myron Lundell. B.A. '52, Gustavus Adolphus College; M.A. '73, University of Minnesota.
Major: American Studies. Thesis: The Character of Historical Experience as Cyclical Flux and Teleological Irony: With a Contemporary Focus on the Political and Theological Writings of Reinhold Niebuhr.
Major Advisers: Profs. D. W. Noble and M. Q. Sibley.

1986. Keith W. Morton. B.A. '79, University of Massachusetts; M.A. '82, University of Minnesota.
Major: American Studies. Thesis: Community as Metaphor: Anarchy and Structure in American Culture, 1830-1920.
Major Adviser: Prof. G. G. Yates.

Art History

1976. Timothy Trent Blade. B.A. '62, St. Cloud State College; M.A. '69, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Paintings and Drawings of Dirk van Delen.
Major Adviser: Prof. N. W. Canedy.

1976. Joseph George Rushton. A.B. cum laude '63, Harvard College.
Major: Art History. Minor: Supporting Program. Thesis: Italian Renaissance Figurative Sketchbooks 1450-1520.
Major Adviser: Prof. N. W. Canedy.

1978. Linnea Holmer Wren. A.B. summa cum laude '70, Radcliffe College; A.M. '72, Harvard University.
Major: Art History. Minor: Supporting Program. Thesis: The Animated Prism: A Study of John La Farge as Author, Critic and Aesthetician.
Major Adviser: Prof. D. R. Torbert.

1979. Barbara Sue Brauer. A.B. '58, University of Rochester.
Major: Art History. Minor: Supporting Program. Thesis: Pre-Egyptian Painting in the Mosan Vabley 1380-1430.
Major Adviser: Prof. N. W. Canedy.

1979. Marilyn Joyce Segal Chiat. B.A. cum laude '69, M.A. '72, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: A Corpus of Synagogue Art and Architecture in Roman and Byzantine Palestine.
Major Adviser: Prof. C. D. Sheppard.

1979. Mary Rachel Jorgenson DeMaine. B.A. '64, M.A. '70, University of Minnesota.
Major: Art History. Minor: Classics. Thesis: Roman Glass Fragments Recovered in Diocletian's Palace at Split.
Major Adviser: Prof. S. J. McNally.

1979. Bernard Louis Derr. Lic. '65, University of Strasbourg; M.A. '69, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Landscapes of Delacroix.
Major Adviser: Prof. Melvin Waldfogel.

1979. Robert Allen Jay. A.B. '69, University of Nebraska; M.A. '75, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: Art and Nationalism in France, 1870-1914.
Major Adviser: Prof. Melvin Waldfogel.

1979. Claire Elaine Selkurt. B.A. magna cum laude '69, St. Olaf College.
Major: Art History. Minor: Home Economics. Thesis: The Classical Influence in Early Twentieth Century Danish Furniture Design.
Major Adviser: Prof. M. J. Nelson.

Art History

1979. George Manning Tapley, Jr. B.A.'63, Wesleyan University; M.A.'65, University of California, Berkeley.

Major: Art History. Minor: Supporting Program. Thesis: The Mural Paintings of Puvis de Chavannes.

Major Adviser: Prof. Melvin Waldfoegel.

1980. Timothy Joseph Garvey. B.A.'73, M.A.'76, University of Minnesota.

Major: Art History. Minor: American Studies. Thesis: Lee O. Lawrie: Classicism and American Culture, 1919-1954.

Major Adviser: Prof. K. A. Marling.

1980. Ruth Krueger Meyer. B.F.A.'63, University of Cincinnati; M.A.'68, Brown University.

Major: Art History. Minor: Supporting Program. Thesis: Fernand Leger's Mural Paintings: 1922-1955.

Major Adviser: Prof. Sidney Simon.

1980. Ellen Schiferl. A.B.'71, Grinnell College; M.A.'74, University of Minnesota.

Major: Art History. Minor: Supporting Program. Thesis: The Romanesque Painted Altar Frontals of Spain: A New Methodology for Dating.

Major Adviser: Prof. M. A. Stones.

1981. Suzanne Elaine Peterson. B.A. magna cum laude '72, M.A.'75, University of Minnesota.

Major: Art History. Minor: Supporting Program. Thesis: Wall Painting in the Aegean Bronze Age: The Procession Frescoes.

Major Adviser: Prof. F. A. Cooper.

1982. Kyle Robert Crocker. B.A. '70, M.A. '73, University of Oregon.

Major: Art History. Minor: Supporting Program. Thesis: Fotr Risti: A Runographer's Style in the Context of Eleventh Century Upplandic Memorial Art.

Major Adviser: Prof. M. J. Nelson.

1982. Carol Louise Janson. B.A.'76, B.F.A.'76, M.A.'78, University of Minnesota.

Major: Art History. Minor: Supporting Program. Thesis: The Birth of Dutch Liberty: Origins of the Pictorial Imagery.

Major Adviser: Prof. N. W. Canedy.

1982. Lyndel Irene King. B.A.'65, University of Kansas; M.A.'71, University of Minnesota.

Major: Art History. Minor: Supporting Program. Thesis: The Art Union of London: 1837-1912.

Major Adviser: Prof. K. A. Marling.

1982. Brian Christopher Madigan. B.A.'71, M.A.'75, Rutgers State University; M.A.'73, University of Brunswick.

Major: Art History. Minor: Supporting Program. Thesis: The Sculpted Metopes from the Temple of Apollo at Bassai.

Major Adviser: Prof. F. A. Cooper.

1982. Mary Kirsten Swanson. B.A. cum laude '61, M.F.A.'64, M.A.'76, University of Minnesota.

Major: Art History. Minor: Supporting Program. Thesis: The Role of Ethnicity in the Careers of Four Swedish-American Painters: John F. Carlson, Henry Mattson, B.J.O. Nordfeldt, and Carl Sprinchorn.

Major Adviser: Prof. M. J. Nelson.

1983. Erika Lee Doss. B.A. magna cum laude '78, Ripon College; M.A.'81, University of Minnesota.

Major: Art History. Minor: American Studies. Thesis: Regionalists in Hollywood: Painting, Film, and Patronage, 1925-1945.

Major Adviser: Prof. K. A. Marling.

Art History

1983. Nancy Elizabeth Edwards. B.A.'72, Oberlin College; M.A.'77, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Renaissance Stufetta in Rome: The Circle of Raphael and the Recreation of the Antique.
Major Adviser: Prof. N. W. Canedy.

1983. Lori Elaine Eshleman. B.A. summa cum laude '75, Rockford College; M.A.'77, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Monumental Stones of Gotland: A Study in Style and Motif.
Major Adviser: Prof. M. J. Nelson.

1983. M. Sue Kendall. B.S. magna cum laude '73, Old Dominion University; M.A.'80, University of Minnesota.
Major: Art History. Minor: American Studies. Thesis: Rethinking Regionalism: John Stueart Curry and the Kansas Murals Controversy.
Major Adviser: Prof. K. A. Marling.

1983. Barry C. Rosenman. B.A.'73, State University of New York at Binghamton; M.A.'77, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Royal Tombs in the Monastery of Santes Creus.
Major Adviser: Prof. C. D. Sheppard.

1983. Rosemary Argent Svoboda. B.A.'68, Manhattanville College of the Sacred Heart; M.A.'70, Columbia University in the City of New York.
Major: Art History. Minor: Supporting Program. Thesis: The Illustrations of the Life of St. Omer (Saint-Omer Bibliotheque Municipale, MS.698).
Major Adviser: Prof. M. A. Stones.

1984. Robert Dale Jacobsen. B.A.'69, M.A.'71, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: Inlaid Bronzes of Pre-Imperial China: A Classic Tradition and Its Later Revivals.
Major Adviser: Prof. R. J. Poor.

1985. Robert Louis Gambone. A.B. magna cum laude '71, Boston College; M.A. '82, University of Minnesota.
Major: Art History. Minor: American Studies. Thesis: That Old Time Religion Painting, Drawing and The Culture of Revivalism in America, 1915-1940.
Major Adviser: Prof. K. A. Marling.

1985. Moira Ellen Harris. B.A. magna cum laude '56, M.A. '77, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: The Royal Cloth of Cameroon.
Major Advisers: Profs. M. J. Nelson and J. B. Eicher.

1985. Jonathan Fletcher Scott. B.A.'62, Amherst College; M.A.'67, The University of Kansas.
Major: Art History. Minor: Supporting Program. Thesis: The Early Colonial Houses of Martha's Vineyard.
Major Advisers: Profs. Carl Sheppard and Melvin Waldfogel.

1985. Claudia Gwen Smith. B.A. '68, M.A. '72, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: Black and White Mosaic Pavements of Utica.
Major Adviser: Prof. S. J. McNally.

1985. Ann Marie Stout. B.A. '65, University of Alaska; M.A. '81, University of Minnesota.
Major: Art History. Minor: Supporting Program. Thesis: Mosaic Glass Face Beads: Their Significance in Northern Europe During the Later Roman Empire.
Major Advisers: Profs. S. J. McNally and M. J. Nelson.

Chinese

1976. Un Chol Shin. B.A.'58, Seoul National University; M.A.'66, M.A.'72, University of Minnesota.
Major: Chinese. Minor: Supporting Program. Thesis: Kuo Hsiang, a Rational Taoist.
Major Adviser: Prof. R. B. Mather.

Classical Area Studies

1977. Henrietta Holm Warwick. B.A. cum laude '51, St. Olaf College.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: A Vergil Concordance.
Major Adviser: Prof. R. P. Sonkowsky.

1980. Sara Louise Bisel. B.S. with honors '54, Carnegie Institute of Technology; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: A Pilot Study in Aspects of Human Nutrition in the Ancient Eastern Mediterranean, with Particular Attention to Trace Minerals in Several Populations from Different Time Periods.
Major Adviser: Prof. W. A. McDonald.

1980. Thomas Leo Brauch. B.A.'68, St. John's University; M.A.'71, University of Minnesota.
Major: Classical Area Studies. Minor: History. Thesis: The Political Philosophy of the Emperor Julian as Found in His Writings, Administration and Propaganda.
Major Adviser: Prof. J. P. Herschbell.

1980. Julie M. Hansen. B.A.'72, University of Wisconsin; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: The Palaeoethnobotany of Franchthi Cave, Greece.
Major Adviser: Prof. W. A. McDonald.

1980. Vicky Ann Walsh. B.S.'70, Iowa State University; M.A.'76, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: A Computer Simulation of the House Construction Activity System at Nichoria in S.W. Greece.
Major Adviser: Prof. W. A. McDonald.

1980. David Norval Wigtil. B.A. summa cum laude '72, Concordia College; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: The Translation of Religious Texts in the Greco-Roman World.
Major Adviser: Prof. A. T. Kraabel.

1983. Nancy Kelly Cooper. B.A.'73, M.A.'77, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: The Development of Roof Revetment of Ancient Greek Temples.
Major Adviser: Prof. W. D. Coulson.

1983. Harriet Burlingame Lewis. B.A.'73, Wellesley College; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: The Manufacture of Early Mycenaean Pottery.
Major Adviser: Prof. W. A. McDonald.

1984. Steven Lee Derfler. A.B.'73, Indiana University; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: The Hellenistic Temple at Beersheva, Israel.
Major Adviser: Prof. W. D. Coulson.

Classical Area Studies

1984. Ivancica Dvorzak Schrunck. B.A.'73, M.A.'73, University of Zagreb, Yugoslavia; M.A.'75, University of Minnesota.
Major: Classical Area Studies. Minor: Supporting Program. Thesis: Late Roman Red Slipped Wares From Diocletian's Palace at Split, Yugoslavia.
Major Advisers: Profs. Sheila McNally and W. A. McDonald.

Classics

1977. George Nicholas Hoffman. B.A. with honors '65, Loyola University; M.A.'66, University of Wisconsin.
Major: Classics. Minor: Supporting Program. Thesis: Diogenes of Oenoanda: A Commentary.
Major Adviser: Prof. J. P. Hershbell.

1977. Cornelia Willemina Ooms. Doctorandus '64, Leiden University.
Major: Classics. Minor: Supporting Program. Thesis: Studies in the Language of Caecilius Statius.
Major Adviser: Prof. G. M. Erickson.

1979. Carol Jean Andreini. A.B. cum laude '70, College of New Rochelle; M.A.'72, University of Minnesota.
Major: Classics. Minor: Supporting Program. Thesis: The Persona of Tibullus.
Major Adviser: Prof. R. P. Sonkowsky.

1981. Steven Michael Oberhelman. B.S.'75, University of Minnesota.
Major: Classics. Minor: Supporting Program. Thesis: The Oneirocritic Literature of the Late Roman and Byzantine Eras of Greece. Manuscript Studies, Translations and Commentaries to the Dream-Books of Greece During the First Millennium A.D., with Greek and English Catalogues of the Dream-Symbols and with a Discussion of Greek Oneiromancy From Homer to Manuel the Palaeologian.
Major Adviser: Prof. G. M. Erickson.

1983. Madeleine Mary Henry. B.A. magna cum laude '71, M.A.'74, University of Minnesota.
Major: Classics. Minor: Supporting Program. Thesis: With Hearts of Gold: Menander's Courtesans and the Greek Comic Tradition.
Major Advisers: Profs. W. D. Coulson and R. P. Sonkowsky.

1983. Elmer Carl Nelson. B.S.'68, M.A.'74, Iowa State University.
Major: Classics. Minor: History. Thesis: Clytemnestra in Euripides' Telephus.
Major Adviser: Prof. E. C. Keuls.

1983. Joyce Kendall Penniston. B.A. magna cum laude '61, Radcliffe College; M.A.T.'62, Harvard University; M.A.'76, University of North Carolina, Chapel Hill.
Major: Classics. Minor: Supporting Program. Thesis: Aspects of Death in Classical Comedy.
Major Adviser: Prof. R. P. Sonkowsky.

1983. Mary Catherine Preus. B.A. summa cum laude '63, Luther College; M.A.'64, Harvard University.
Major: Classics. Minor: Supporting Program. Thesis: Eloquence and Ignorance in Augustine's De Natura Et Origine Animae.
Major Adviser: Prof. R. P. Sonkowsky.

1984. Chantal Marguerite Melis. Licence '73, Universite Catholique de Louvain.
Major: Classics. Minor: Supporting Program. Thesis: Naturae Species Ratioque: Myth and Meaning in Lucretius.
Major Adviser: Prof. R. P. Sonkowsky.

Comparative Literature

1977. Edward Joseph Chute. A.B.'64, St. Vincent College; M.A.'70, University of Minnesota.
Major: Comparative Literature. Thesis: Comic Wrestling: A Comparative Analysis of the Comic Agon and Its Dramatic Idea and Form in Selected Comedies of Aristophanes, Shakespeare, Jonson, Shaw and Calderon.
Major Adviser: Prof. J. D. Hurrell.
1977. Farouk Abdel-Wahab Mustafa. B.A.'62, M.A.'69, Cairo University.
Major: Comparative Literature. Minor: Supporting Program. Thesis: Drama as Metaphor: Varieties of Theatrical Experience.
Major Adviser: Prof. J. D. Hurrell.
1977. David Ronald Sauvageau. B.A. summa cum laude '63, University of Minnesota.
Major: Comparative Literature. Thesis: Shaw, Brecht, and Evolution: The Early Plays.
Major Adviser: Prof. J. D. Hurrell.
1979. Shyh-jong Ren. B.A.'64, Taiwan Cheng Kung University; M.A.'69, Nanzan University.
Major: Comparative Literature. Minor: Supporting Program. Thesis: Some English Influences on Natsume Soseki's Criticism and Novels.
Major Adviser: Prof. P. E. Firchow.
1981. Stephen Albert Nimis. B.A. summa cum laude '73, M.A.'75, University of Minnesota.
Major: Comparative Literature. Thesis: The Epic Simile from Homer to Milton.
Major Adviser: Prof. W. B. Godzich.
1983. Lawrence Allen Crawford. B.A. summa cum laude '73, M.A.'82, University of Minnesota.
Major: Comparative Literature. Thesis: Economics and Figurations of Action and Object in the Text and Discourse of Narrative Film.
Major Adviser: Prof. L. L. Duroche.
1984. Sara Matson Drake. B.A.'65, Carleton College; M.A.'68, University of Minnesota.
Major: Comparative Literature. Thesis: SpaceTime Aspects of the Literary Work Theory, Method, Application.
Major Adviser: Prof. L. L. Duroche.
1984. Nancy Lynn Kobrin. B.A. with distinction '69, Indiana University; B.J.S.'75, Spertus College of Judaica; M.A.'71, Roosevelt University.
Major: Comparative Literature. Thesis: A Critical Transcription and Semiotic Analysis of Eight Aljamiado Legends of the Morisco Figura of Muucaa.
Major Advisers: Profs. W.B. Godzich and R. W. Sousa.
1984. Katherine Margaret Leary. A.B. with honors '74, Stonehill College; M.A.'78, Purdue University.
Major: Comparative Literature. Thesis: The Poetics of Mimesis.
Major Adviser: Prof. W.B. Godzich.
1985. Claudia Frances Tysdal-Crawford. B.A. '77, M.A. '81, University of Minnesota.
Major: Comparative Literature. Thesis: The Beginnings of Nietzsche's Theory of Language.
Major Adviser: Prof. L. L. Duroche.
1986. Fair Caldwell Meeks. A.B. '50, The Woman's College of the University of North Carolina. B.S. summa cum laude '66, M.S.Ed. '67, Moorhead State College. M.A. '70, University of London.
Major: Comparative Literature. Minor: Supporting Program. Thesis: Translating "Ideas": Problems in Translating Schelling's Ideen Zu Einer Philosophie Der Natur.
Major Advisers: Profs. W.B. Godzich and G. H. Weiss.

Design, Housing, and Apparel

1985. Elsie Idstrom. B.A. '71, M.A. '75, University of Minnesota.
Major: Design, Housing, and Apparel. Minor: Supporting Program. Thesis:
Public Improvements and Private Housing Rehabilitation.
Major Advisers: Profs. M. J. Hogan and E. M. Franklin.

1985. Wanda Kay Sieben. B.S. '67, East Carolina College; M.S. '69,
University of Minnesota.
Major: Design, Housing, and Apparel. Minor: Supporting Program. Thesis:
Economic Analysis of the Impact of Imperfect Consumer Information Regarding
Performance of Textile Products.
Major Adviser: Prof. R. F. Johnson.

English

1976. David Kalman Farkas. A.B. with high honors '68, University of
Rochester; M.A. '69, University of Chicago.
Major: English. Minor: Supporting Program. Thesis: Interpretive
Problems in Marlowe's Hero and Leander.
Major Advisers: Profs. T. S. Clayton and G. W. O'Brien.

1976. Barton Winfield Galle, Jr. A.B. '68, Columbia University.
Major: English. Minor: Supporting Program. Thesis: Led by Choice:
Moral Perception in Selected Victorian Works.
Major Adviser: Prof. W. A. Madden.

1976. Russell Joseph Meyer. B.A. '67, M.A. '69, Ohio State University.
Major: English. Minor: Supporting Program. Thesis: Tudor Laughter: A
Preliminary Study of Humor.
Major Adviser: Prof. G. W. O'Brien.

1976. Alan William Powers. B.A. cum laude '66, Amherst College; M.A. '70,
University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: This Critical Age:
Deliberate Departures From Literary Conventions in Seventeenth Century
English Poetry.
Major Adviser: Prof. L. H. Unger.

1977. William DeLancey Adamson. A.B. '67, Hamilton College.
Major: English. Minor: Supporting Program. Thesis: Shakespeare's Drama
of Calumny; Sexual Innocence Against Infected Knowledge.
Major Adviser: Prof. G. W. O'Brien.

1977. Charles Alfred Bergman. B.A. '69, University of Washington; M.A. '73,
University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Paradoxical Vision:
The Style and Stylistics of Fulke Greville, Lord Brooke.
Major Adviser: Prof. G. W. O'Brien.

1977. Nicholas Peter Carlucci. A.B. '66, Georgetown University.
Major: English. Minor: Latin. Thesis: The Architrenius of Johannes de
Hauvilla. A Translation with Introduction and Notes.
Major Adviser: Prof. J. W. Clark.

1977. Roger Alan Drewicke. B.A. with high distinction '66, University of
Minnesota, Morris; M.A. '69, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: A Study of Form and
Emotion in the Poetry of William Collins.
Major Adviser: Prof. R. E. Moore.

1977. Christine Gallant. B.A. cum laude '62, M.A. '66, University of
Minnesota.
Major: English. Minor: Supporting Program. Thesis: Regeneration
Through Archetype: William Blake's Changing Myth in The Four Zoas.
Major Adviser: Prof. J. L. Scoggins.

English

1977. James Alexander Houlding. B.A. cum laude '64, Bowdoin College.
Major: English. Minor: Latin. Thesis: A Sense of the Past: The
Evolution of Moral Standards in Four Nineteenth Century English Novels.
Major Adviser: Prof. W. A. Madden.

1977. Joel Francis Jackson. B.A.'66, College of St. Thomas; M.A.'68,
Marquette University.
Major: English. Minor: Supporting Program. Thesis: Speech Acts and
Reader Responses.
Major Adviser: Prof. Martin Steinmann, Jr.

1977. James Harry McCormick. B.A. maxima cum laude '63, LaSalle College;
A.M.'64, University of Pennsylvania.
Major: English. Minor: Philosophy. Thesis: The Distinctive Literary
Property: A Study of a Theme in Twentieth-Century Contemporary Criticism.
Major Adviser: Prof. Martin Steinmann, Jr.

1977. Dan Morgan. A.B. with great distinction '71, Stanford University;
M.A.'73, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: World War I and Its
Consequences in Selected European and American Novels and Memoirs.
Major Adviser: Prof. P. E. Firchow.

1977. Mary Beth Pringle. B.A.'64, M.A.'67, University of Denver.
Major: English. Minor: Supporting Program. Thesis: A Stylistic
Analysis of Dialogue and Narrative Modes in James Joyce's Ulysses.
Major Adviser: Prof. C. G. Anderson.

1977. Mary Stewart Swanson. B.A.'54, M.A.'70, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Themes of Time
and Morality in the Dramas of Eugene O'Neill.
Major Adviser: Prof. J. J. Kwiat.

1977. Sister Marilyn Thomas. B.A.'66, Marion College of Fond du Lac;
M.A.'73, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Church, City, and
Labyrinth in Bronte, Dickens, Hardy and Butor.
Major Adviser: Prof. K. R. Bales.

1977. Ruth Fosness Thompson. B.S. with honor '48, Mankato State College;
M.S.Ed.'64, St. Cloud State College.
Major: English. Minor: Supporting Program. Thesis: The Quest for
Harmony: A Thematic Analysis of the Poetry of W.S. Merwin.
Major Adviser: Prof. G. T. Wright.

1977. Robert Bowen Wellisch. B.A. summa cum laude '62, College of St.
Thomas; M.A.'63, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Literary Forms
of Walter Pater.
Major Adviser: Prof. W. A. Madden.

1978. Audrey S. Eyler. B.A.'64, Houghton College; M.A.'68, Alfred
University.
Major: English. Minor: Supporting Program. Thesis: William Butler
Yeats, Folklorist to Dramatist: The Gaelic Heritage of His Dramatic Fool.
Major Adviser: Prof. C. G. Anderson.

1978. Carol Ann Irish. A.B.'62, William Jewell College; M.A.'68,
University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: "A Glorious Title":
Elizabeth I's Manipulation of Her Public Image, 1588-1603.
Major Advisers: Profs. T. A. H. McNaron and M. Q. Sibley.

1978. Doris Grieser Marquit. B.A.'50, Carleton College; M.A.'51,
University of Chicago.
Major: English. Minor: Supporting Program. Thesis: Thomas Shepard:
The Formation of a Puritan Identity.
Major Adviser: Prof. E. M. Griffin.

English

1978. Frank Grady McCormick. B.A. with high honors '68, University of Texas.
Major: English. Minor: Supporting Program. Thesis: The Embattled Career of Sir John Vanbrugh.
Major Adviser: Prof. R. E. Moore.

1978. Mark Z. Muggli. B.A. magna cum laude '70, St. John's University, Collegeville; M.A.'73, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Philip Massinger Tragedies and Their Dramaturgical Context.
Major Adviser: Prof. T. S. Clayton.

1979. Stephen James Adams. B.A.'70, M.A.'74, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: "To Set All Well Afloat": Romantic Structures and Thoreau's A Week on the Concord and Merrimack Rivers.
Major Adviser: Prof. K. R. Bales.

1979. Ruth Amelia Berman. B.A. magna cum laude '64, University of Minnesota; M.A.'66, University of California, Berkeley.
Major: English. Minor: Classics. Thesis: Suspending Disbelief: The Development of Fantasy as a Literary Genre in Nineteenth-Century British Fiction as Represented by Four Leading Periodicals: Edinburgh Review, Blackwood's, Fraser's, and Cornhill.
Major Adviser: Prof. C. G. Anderson.

1979. Michael J. Bliss. B.A. cum laude '70, Long Island University.
Major: English. Minor: Supporting Program. Thesis: The Orchestration of Chaos: Verbal Technique in William S. Burroughs' Naked Lunch.
Major Adviser: Prof. R. D. Solotaroff.

1979. Robin Riley Fast. A.B.'70, University of California, Berkeley; M.A.'74, City University of New York.
Major: English. Minor: Supporting Program. Thesis: Emily Dickinson's Art of Evanescence.
Major Adviser: Prof. Martin Roth.

1979. Carol Ann Gilbertson. B.A. summa cum laude '66, Augustana College; M.A.'67, University of North Carolina.
Major: English. Minor: Supporting Program. Thesis: The Mower as a Type of Adam: Andrew Marvell's Mower Poems and Paradise Lost.
Major Adviser: Prof. G. T. Wright.

1979. Kevin Patrick Reilly. B.A. with high honors '71, University of Notre Dame; M.A.'74, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Irish Literary Autobiography: The Goddesses That Poets Dream Of.
Major Adviser: Prof. C. G. Anderson.

1979. Jonathan Borden Sisson. A.B.'63, Harvard College; M.A.'66, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Cosmic Synchronization and Other Worlds in the Work of Vladimir Nabokov.
Major Adviser: Prof. Martin Roth.

1979. Marilyn Rae Nelson Waniek. B.A.'68, University of California, Davis; A.M.'70, University of Pennsylvania.
Major: English. Minor: Supporting Program. Thesis: The Schizoid Nature of the Implied Author in Twentieth Century American Ethnic Novels.
Major Adviser: Prof. C. G. Anderson.

1980. Michael Edward Birdsall. B.A. summa cum laude '69, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Art, Beauty and Morality in the Novels of Iris Murdoch.
Major Adviser: Prof. P. J. Reed.

English

1980. Terry Jacqueline Castle. B.A. summa cum laude '75, University of Puget Sound; M.A.'78, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Insistence of the Letter: Fiction and Experience in the Novels of Samuel Richardson.
Major Adviser: Prof. P. K. Alkon.

1980. Marilyn Marie Cooper. B.A. with high distinction '67, Pennsylvania State University; A.M.'68, University of Michigan.
Major: English. Minor: Supporting Program. Thesis: Implicatures in Dramatic Conversations.
Major Adviser: Prof. Martin Steinmann, Jr.

1980. Thomas Allen Greenfield. A.B.'70, Grinnell College; M.A.'73, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Standing Before Kings: Work and the Work Ethic in American Drama, 1920-1970.
Major Adviser: Prof. J. D. Hurrell.

1980. Karen Louise Olson Murray. B.A. cum laude '69, Macalester College; M.A.'76, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Speakers in Lyric Poetry.
Major Advisers: Profs. C. M. Hancher and Martin Steinmann, Jr.

1980. Philip Jay Snyder. B.A. cum laude '73, Wisconsin State University, Eau Claire; M.A.'76, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Stories and Storytellers in Dickens.
Major Adviser: Prof. W. A. Madden.

1980. Betty Lou Spitzmiller. A.B. with honors '66, A.M.'67, University of Missouri.
Major: English. Minor: Supporting Program. Thesis: Ben Jonson's Nondramatic Poetry: A Study of Matter and Manner.
Major Adviser: Prof. Leonard Unger.

1980. Richard Albert Stenberg. B.A. summa cum laude '70, St. Olaf College; M.A.'74, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Novels of Anne Bronte.
Major Adviser: Prof. T. A. H. McNaron.

1981. Dennis Winslow Allen. B.A. with highest distinction '73, University of Kansas; M.A.'75, University of New Mexico.
Major: English. Minor: Supporting Program. Thesis: The Unsteady Uses of Words: Semiotics and the Novel.
Major Adviser: Prof. Martin Roth.

1981. Timothy Charles Blackburn. B.A. summa cum laude '70, St. John's University; M.A.'72, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Thomas Carew and the Occasional Mode.
Major Adviser: Prof. Leonard Unger.

1981. Maryann Zillotti Corbett. B.A. with honors '72, College of William and Mary in Virginia.
Major: English. Minor: Supporting Program. Thesis: A Manuscript Study and Edition of Selections from the Northern Homilies.
Major Adviser: Prof. J. L. Mitchell.

1981. Margaret Ellen Powers. B.A. magna cum laude '71, Hofstra University.
Major: English. Minor: Supporting Program. Thesis: "The Unstrung Balloon": A Study of the Use of Narrative Devices in the Nineteenth-Century American Tale.
Major Adviser: Prof. Martin Roth.

English

1981. Laura Louis Potter Quinn. B.A. cum laude '69, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Parallel Narratives and Multiple Narratives in the Novels of Anthony Trollope.
Major Adviser: Prof. W. A. Madden.

1981. Sandra Dianne Sandell. B.A. with honor '66, M.A.'68, Michigan State University.
Major: English. Minor: Supporting Program. Thesis: "A Very Poetic Circumstance": Incest and the English Literary Imagination 1770 - 1830.
Major Adviser: Prof. C. M. Hancher.

1981. John Michael Sullivan, Jr. B.A. summa cum laude '70, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Women, Wine and Song: Three Minor Genres of Seventeenth-Century British Poetry.
Major Adviser: Prof. T. S. Clayton.

1981. John Edgar Tidwell. B.A.'68, Washburn University; M.A.'71, Creighton University.
Major: English. Minor: Supporting Program. Thesis: Cultural Collaboration and Iconoclasm: The Literary and Cultural Criticism of Alain Locke and Sterling Brown.
Major Adviser: Prof. C. G. Anderson.

1982. Linda Kay Johnson. B.Math. with high distinction '75, M.A.'77, M.A.'79, University of Minnesota.
Major: English. Minor: Latin. Thesis: Apocalyptic Recycling in Cotton Mather and Edward Taylor.
Major Adviser: Prof. E. M. Griffin.

1982. Miles Edward Krogfus. B.A.'63, M.A.'76, San Diego State University.
Major: English. Minor: Supporting Program. Thesis: Knowledge and Sweeter Ignorance: The Strategies of Yeats' Poetic Structures.
Major Adviser: Prof. G. T. Wright.

1982. Michael Marc Levy. A.B.'72, University of Illinois; M.A.'74, Ohio State University.
Major: English. Minor: Supporting Program. Thesis: The Transformations of Oberon: The Use of Fairies in Seventeenth-Century Literature.
Major Adviser: Prof. T. S. Clayton.

1982. Janice Adelle Rossen. B.A. magna cum laude '76, University of Redlands; M.A.'78, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Early Novels of Elizabeth Bowen: An Existential Reading.
Major Adviser: Prof. P. E. Firchow.

1982. Evelyn Hawthorne Vanouse. B.A.'60, Notre Dame College; M.A.'72, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Roger Mais: The Romantic Voice and the Nationalist Image.
Major Adviser: Prof. Martin Roth.

1983. Sr. Madonna Egan, CSJ. B.A.'62, College of St. Catherine; M.A.'72, University of Notre Dame.
Major: English. Minor: Supporting Program. Thesis: Telling "The Blessing History": Charles Dickens' The Life of Our Lord.
Major Adviser: Prof. W. A. Madden.

1983. Frieda Helen Gardner. B.S.'63, Columbia University.
Major: English. Minor: Supporting Program. Thesis: H.D.'s Palimpsests.
Major Adviser: Prof. G. T. Wright.

English

1983. John Henry Hagge. B.A. magna cum laude '74, St. Olaf College; M.A.'77, University of Minnesota.
Major: English. Minor: Latin. Thesis: The Logic of Business Writing.
Major Adviser: Prof. R. L. Brown, Jr.

1983. William Michael Kleine, Jr. B.A.'70, University of Northern Colorado; M.A.'75, University of Maine.
Major: English. Minor: Supporting Program. Thesis: Syntactic Choice and a Theory of Discourse: Rethinking Sentence-Combining.
Major Adviser: Prof. Donald Ross.

1983. Janis Lull. B.A.'67, University of Oregon; M.A.'80, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Language Behavior and Renaissance Poetry: Studies in Shakespeare, Herbert, and Donne.
Major Adviser: Prof. T. S. Clayton.

1983. Jean Denise Schwind. B.A. summa cum laude '77, St. Olaf College; M.A.'80, University of Minnesota.
Major: English. Minor: Art History. Thesis: Pictorial Art in Willa Cather's Fiction.
Major Adviser: Prof. K. R. Bales.

1984. James Dana Alexander. B.A.'60, Brooklyn College; M.A.'62, University of Notre Dame; M.A.'80, University of Minnesota.
Major: English. Minor: Linguistics. Thesis: Aphesis in English.
Major Adviser: Prof. J. L. Mitchell.

1984. Linda Marie Anderson. B.A. summa cum laude '73, University of Minnesota.
Major: English. Minor: Classics. Thesis: A Kind of Wild Justice: Revenge as Theme and Device in Shakespeare's Comedies.
Major Adviser: Prof. T. S. Clayton.

1984. Matthew Cannon Brennan. A.B. with honors '77, Grinnell College; M.A.'80, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Wordsworth, Turner, and Romantic Landscape Traditions: A Study in the Picturesque and the Sublime.
Major Adviser: Prof. K. R. Bales.

1984. Robert Edward Brooke. B.A. honors '79, Gonzaga University; M.A.'82, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Writing and Commitment: Some Psychosocial Functions of College Writing.
Major Adviser: Prof. R. L. Brown, Jr.

1984. Robert Hammond Collins. B.A.'69, Villanova University.
Major: English. Minor: Supporting Program. Thesis: American Realism and the Plays of Sam Shepard: A Study of Theme and Form.
Major Adviser: Prof. J. D. Hurrell.

1984. Stefanie Ann Dojka. B.A.'66, Michigan State University; M.A.'81, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: Jane Austen's Novels: Patterns of Desire.
Major Adviser: Prof. W. A. Madden.

1984. Mary Susan Johnston. B.A. cum laude '71, Moorhead State College; M.A.'80, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: In Quest of Highest Truth: Journeys in Romantic Poetry.
Major Adviser: Prof. Norman Fruman.

English

1984. JoAnne Deborah Liebman-Kleine. B.A.'77, Kirkland College; M.A.'80, University of Minnesota.

Major: English. Minor: Supporting Program. Thesis: Reading, Writing, and Thinking: Toward Developing a Problem-Solving Theory of Reading Literary Narrative.

Major Adviser: Prof. Donald Ross, Jr.

1984. Erle Patrick Moore. B.A. cum laude '67, M.A.'73, University of Minnesota.

Major: English. Minor: Supporting Program. Thesis: The Broken Pentameter: William Carlos Williams and the Conventions of Poetry.

Major Adviser: Prof. G. T. Wright.

1984. Suzanne Lee Paulson. B.A.'65, California State University; M.A.'78, University of Minnesota.

Major: English. Minor: Supporting Program. Thesis: Flannery O'Connor's Divided Vision Apocalypse of Self, Resurrection of the Double.

Major Adviser: Prof. C. G. Anderson.

1984. Dene Kay Thomas. B.A.'78, Southwest State University.

Major: English. Minor: Supporting Program. Thesis: A Transition From Speaking to Writing: Small-Group Writing Conferences.

Major Adviser: Prof. R. L. Brown, Jr.

1985. Ada Lou Carson. A.B. magna cum laude '53, University of Pittsburgh.

Major: English. Minor: Supporting Program. Thesis: Thomas Pickman Tyler's "Memoirs of Royall Tyler": An Annotated Edition.

Major Adviser: Prof. E. M. Griffin.

1985. Hamilton Edwards Cochrane. B.A. summa cum laude '79, College of St. Thomas.

Major: English. Minor: Supporting Program. Thesis: Roger North's Lives of the Norths: A Critical Study.

Major Adviser: Prof. R. E. Moore.

1985. Brenda Oland Daly. B.A.'63, University of North Dakota.

Major: English. Minor: Supporting Program. Thesis: Narrator Hermaphrodite: Voices in the Visionary Art of Joyce Carol Oates.

Major Adviser: Prof. C. G. Anderson.

1985. Sara Joan Eaton. B.S. '70, University of Minnesota.

Major: English. Minor: Supporting Program. Thesis: The Rhetoric of Sexual Revenge in Jacobean Drama.

Major Adviser: Prof. M. S. Sprengnether.

1985. Jeffrey Paul Fruen. B.A. with highest honor '75, Hamline University.

Major: English. Minor: Supporting Program. Thesis: Veiled in Shadows' Light: Gloriana as the Focus of The Faerie Queene.

Major Adviser: Prof. G. W. O'Brien.

1985. Jacqueline Margaret Henkel. B.A. high honors '76, St. Cloud State University; M.A. '84, University of Minnesota.

Major: English. Minor: Supporting Program. Thesis: Linguistic Metaphor and the Language of Criticism.

Major Adviser: Prof. R. L. Brown.

1985. Daniel Matthews Hooley. B.A. '76, M.A. '83, University of Minnesota.

Major: English. Minor: Latin. Thesis: "The Classics in Paraphrase": Ezra Pound and Modern Translators of Classical Poetry.

Major Adviser: Prof. P. E. Firchow.

1985. Parker Hicks Johnson. B.S. magna cum laude '72, Moorhead State College.

Major: English. Minor: Supporting Program. Thesis: George Herbert, Edward Taylor, and the Poetry of Sacramental Praise.

Major Adviser: Prof. T. S. Clayton.

English

1985. Patricia Ellen Johnson. A.B. with honors '73, Earlham College.
Major: English. Minor: Supporting Program. Thesis: The Role of the Middle-Class Woman in the Mid-Nineteenth-Century British Industrial Novel.
Major Advisers: Profs. W. A. Madden and M. S. Durham.

1985. Jongsook Lee. B.A. '74, M.A. '77, Seoul National University.
Major: English. Minor: Supporting Program. Thesis: Ben Johnson's Poesis: A Literary Dialectic of Ideal and History.
Major Adviser: Prof. T. S. Clayton.

1985. Michael John Opitz. B.S. with scholastic honors '70, M.A. '72, St. Cloud State University.
Major: English. Minor: Supporting Program. Thesis: Poetry as Appropriate Epistemology: Gregory Bateson and W. B. Yeats.
Major Adviser: Prof. C. G. Anderson.

1985. Maureen Teresa Reddy. A.B. cum laude '76, M.A. '78, Boston College.
Major: English. Minor: Supporting Program. Thesis: Elizabeth Gaskell's Short Fiction.
Major Adviser: Prof. W. A. Madden.

1985. Paul Henry Schmidt. B.A. summa cum laude '78, University of Wisconsin, Superior.
Major: English. Minor: Supporting Program. Thesis: Newman and Post-Modernism: A Study of Newman's Prose Non-fiction and Its Relation to Poststructuralist Literary Theory.
Major Advisers: Profs. W. A. Madden and M. S. Durham.

1985. Gordon Philip Thomas. B.A. '74, Emory University; M.A. '82, University of Minnesota.
Major: English. Minor: English as a Second Language. Thesis: Reading, Writing, and Mutual Knowledge.
Major Adviser: Prof. R. L. Brown, Jr.

1985. Dexter Lyle Westrum. B.A. '67, Sioux Falls College; M.A. '81, University of Minnesota.
Major: English. Minor: Supporting Program. Thesis: The Art of Survival in the Contemporary West: The Fictions of Thomas McGuane, James Welch, and Edward Abbey.
Major Adviser: Prof. R. D. Solotaroff.

1986. Alice Bell. A.B. '45, Earlham College; M.A. '46, University of Wisconsin.
Major: English. Minor: Supporting Program. Thesis: Through the Professor's Window: Reading Willa Cather's Novel Demeuble.
Major Adviser: Prof. K. R. Bales.

1986. Gayle Hubmer Gaskill. B.S. magna cum laude '66, Mankato State College; M.A. '70, The University of Nebraska.
Major: English. Minor: Supporting Program. Thesis: The Temple and the Liturgy: The Poetry of George Herbert and the Book of Common Prayer.
Major Adviser: Prof. T. S. Clayton.

1986. Carl George Herndl. B.A. '77, University of North Carolina.
Major: English. Minor: Philosophy. Thesis: Maid/Made in the Image: Solitary Women in Wordsworth's Early Poetry.
Major Adviser: Prof. Norman Fruman.

French

1976. Lynn Anthony Higgins. A.B. '68, Oberlin College.
Major: French. Minor: Supporting Program. Thesis: Jean Ricardou's Poetics.
Major Adviser: Prof. P. W. Lock.

French

1977. Barbara Lomas Rusterholz. B.A.'67, University of California, Riverside; M.A.'69, University of Wisconsin.
Major: French. Minor: Supporting Program. Thesis: Diderot's Musical Hieroglyph.
Major Adviser: Prof. J. L. Waldauer.
1978. Carol Lee Plyley James. A.B. with high honor '64, Ohio University; A.M.'67, Indiana University.
Major: French. Minor: Art History. Thesis: The Writings of Marcel Duchamp in the Development of His Poetics.
Major Adviser: Prof. G. H. Bauer.
1978. Linn Bratteteig Konrad. M.A.'72, University of Wisconsin, Milwaukee.
Major: French. Minor: Scandinavian. Thesis: Maurice Maeterlinck and the Drama of Apprehension.
Major Adviser: Prof. P. W. Lock.
1978. Janice Lynn St. Martin. B.A.'67, Northwestern University; M.A.'72, University of Minnesota.
Major: French. Minor: Art History. Thesis: Reading and Writing in Stendhal: Knowledge, Expression, Communication.
Major Adviser: Prof. P. W. Lock.
1978. Joan Christine Boyum Tavares. B.A. magna cum laude '62, Gustavus Adolphus College; M.A.'69, University of Minnesota.
Major: French. Minor: Classics. Thesis: Laughter in "A la Recherche du Temps Perdu."
Major Adviser: Prof. P. W. Lock.
1979. Brian Michael Duren. B.A.'70, University of Minnesota.
Major: French. Minor: English. Thesis: Proust ou L'Ecriture du Desir (Proust's Writing of Desire).
Major Adviser: Prof. P. W. Lock.
1979. Timothy Austin Frisk. B.A.'69, M.A.'72, University of Minnesota.
Major: French. Minor: History. Thesis: Marcel Proust: A Kleinian Approach.
Major Adviser: Prof. P. W. Lock.
1980. Nancy Elizabeth Martin Foss. A.B.'66, Oberlin College; M.A.'69, University of Minnesota.
Major: French. Minor: Supporting Program. Thesis: Female Characters in the Comedies of Charles Riviere Dufresny.
Major Advisers: Profs. A. A. Renaud and J. L. Waldauer.
1980. Jacqueline Ann O'Hara. B.A.'55, College of St. Catherine; M.A.'64, University of Minnesota.
Major: French. Minor: Supporting Program. Thesis: Les Oeuvres Saintes of Jean Auvray: A Critical Edition and an Alchemical Study.
Major Adviser: Prof. A. A. Renaud.
1981. April Knutson. B.A.'67, Swarthmore College; M.A.'72, University of Minnesota.
Major: French. Minor: History. Thesis: DIDEROT: A Dialectical Theory of Knowledge and Its Reflection in Fiction.
Major Adviser: Prof. J. L. Waldauer.
1982. Dominique Armes. Licence '57, D.E.S.'59, University of Paris; M.A.'73, University of Minnesota.
Major: French. Minor: English. Thesis: La Poetique d'Audefroie le Batard: Approche Semiotique.
Major Adviser: Prof. F. R. P. Akehurst.
1982. Michel Valentin. Licence '71, Maitrise '71, Universite' de Toulouse.
Major: French. Minor: Supporting Program. Thesis: Baroque and Cinema.
Major Advisers: Profs. T. C. Conley and A.A. Renaud.

French

1984. Barbara Christine Anderson. B.A.'68, Northwestern University; M.A.'72, University of Minnesota.
Major: French. Minor: English. Thesis: The Enchanted Circle in Four Novels by Julien Green.
Major Adviser: Prof. P. Lock.

1984. Elisabeth Caron. B.A. cum laude '71, University of Minnesota, Duluth.
Major: French. Minor: Supporting Program. Thesis: Les Essais De Montaigne Ou Les Agencements D'Un Langage-Outil.
Major Adviser: Prof. T. C. Conley.

1986. Francoise Denis. Licencie and Agregation '64, Universite Catholique de Louvain; M.A. '78, University of Minnesota.
Major: French. Minor: Supporting Program. Thesis: Les Retombees D'une Concordance: Racul de Cambrai.
Major Adviser: Prof. F. R. P. Akehurst.

German

1976. James William Hutchison. B.A.'65, M.A.'71, University of Maryland.
Major: German. Minor: Supporting Program. Thesis: "Fullworter"
Revisited: An Analysis of Utterance Modification in Colloquial German.
Major Adviser: Prof. G. R. Clausing.

1977. Dallas Jerry Apol. A.B.'61, Calvin College; A.M.'65, University of Michigan.
Major: German. Minor: Germanic Philology. Thesis: The Attitude Toward the Baroque as Reflected in the German Lyrical Anthology.
Major Adviser: Prof. G. H. Weiss.

1977. Bohdan Boczan. B.A. summa cum laude '68, M.A.'70, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: Heinrich Von Kleist and the Question of Freedom.
Major Adviser: Prof. W. F. Taraba.

1977. Patricia Ann Mayne Burke. A.B. with distinction '63, University of Michigan; M.A.'64, Northwestern University.
Major: German. Minor: Germanic Philology. Thesis: Heinrich Boll's Gruppenbild mit Dame in the Context of the Author's Earlier Work.
Major Adviser: Prof. F. D. Hirschbach.

1977. Elisabeth Crews. B.S. with distinction '62, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: Wort und Wahrheit. Das Problem der Sprache in der Prosa Ingeborg Bachmann. (Language and Reality. The Problem of Expression in the Prose of Ingeborg Bachmann.)
Major Adviser: Prof. W. F. Taraba.

1979. Adrian Del Caro. B.A. magna cum laude '76, M.A.'77, University of Minnesota.
Major: German. Minor: Philosophy. Thesis: Dionysian Aesthetics: The Role of Destruction in Creation as Reflected in the Life and Works of Friedrich Nietzsche.
Major Adviser: Prof. W. F. Taraba.

1979. Hugh Eugene McGuigan. B.A.'61, M.A.'72, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: Difficulty Levels of Modern German Literary Prose vis-a-vis the Reader: An Empirical Investigation Using the Cloze Procedure with American Undergraduate and Graduate Students of German and Native German University Students.
Major Advisers: Profs. D. L. Lange and G. H. Weiss.

1979. Ilze Klavins Mueller. A.M.'59, University of Chicago.
Major: German. Minor: Supporting Program. Thesis: Spatial Imagery in E.T.A. Hoffmann's Die Elixiere Des Teufels.
Major Adviser: Prof. L. L. Duroche.

German

1979. Gerhild G. Eiselt Stiewe. B.A. magna cum laude '66, B.S. with high distinction '66, M.A.'68, University of Minnesota.
Major: German. Minor: Spanish. Thesis: *Die Rolle der Frau in der DDR Literatur.* (The Role of Women in the Literature of the German Democratic Republic.)
Major Adviser: Prof. F. D. Hirschbach.
1980. Michael Burwell. B.A.'65, University of Minnesota; M.A.'68, Pennsylvania State University; M.A.'76, University of Minnesota.
Major: German. Minor: Russian. Thesis: Theater Der Zeit as a Mirror of GDR Drama, with a Focus on Baierl, Kerndl, Braun, and Muller.
Major Adviser: Prof. F. D. Hirschbach.
1980. Donald Joseph Nevin. B.A.'66, M.A.'70, Miami University.
Major: German. Minor: Supporting Program. Thesis: Franz Xaver Kroetz: The Dialectical Development of a Dramatist.
Major Adviser: Prof. L. L. Duroche.
1981. John Allen Erickson. B.A.'66, M.A.'73, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: Der Wandel der Erzähltechnik im DDR-Roman.
Major Adviser: Prof. F. D. Hirschbach.
1981. Dorothea Diver Stuecher. B.A.'67, Washington University; M.A.'71, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: Writers in Exile; German Women Writers in America Between 1848 and 1900.
Major Advisers: Profs. R. B. Joeres and G. H. Weiss.
1982. Douglas Edwin Neymeyer. B.A.'67, University of Iowa; M.A.'72, M.A.'75, University of Northern Iowa.
Major: German. Minor: Supporting Program. Thesis: Assessing the Effects of Systematic Listening Comprehension Practice on the Language Proficiency of Fifth-Quarter German Students.
Major Advisers: Profs. F. D. Hirschbach and D. L. Lange.
1985. Bruce Arthur Murray. B.A. '76, Luther College; M.A. '77, Middlebury College.
Major: German. Minor: Supporting Program. Thesis: Film and the German Left in the Weimar Republic.
Major Adviser: Prof. T. G. Plummer.
1985. Gail Mercer Newman. B.A. with distinction '76, Northwestern University; M.A. '80, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: "The Visible Soul of Poetry": Women and the Poet in Novalis's Heinrich Von Ofterdingen.
Major Adviser: Prof. Jochen Schulte-Sasse.
1985. Linda Schiele Schulte-Sasse. B.A. magna cum laude '69, M.A. '78, University of Minnesota.
Major: German. Minor: Supporting Program. Thesis: The Never Was as History: Portrayals of the 18th Century in the National Socialist Film.
Major Adviser: Prof. T. G. Plummer.

Germanic Philology

1977. Stephen Douglas Gilmour. A.B. with distinction '60, A.M.'62, Indiana University.
Major: Germanic Philology. Minor: German. Thesis: The Old High German Monophthongization.
Major Adviser: Prof. E. S. Firchow.
1978. Martin Joseph Kuelbs. B.A. cum laude '63, St. John's University; B.S. with high distinction '69, M.A.'71, University of Minnesota.
Major: Germanic Philology. Minor: German. Thesis: The Middle High German Heroic Novel Biterolf und Dietleib: A Literary Analysis and Review of the Research.
Major Adviser: Prof. E. S. Firchow.

Germanic Philology

1982. Jerold Coleman Frakes. B.A. cum laude '74, M.A.'76, Memphis State University; M.A.'79, University of Minnesota.
Major: Germanic Philology. Minor: German. Thesis: Fortuna in the Consolation: Boethius, Alfred and Notker.
Major Adviser: Prof. E. S. Firchow.

1986. Dennis James Cronan. B.A. high distinction '78, University of Rhode Island; M.A. '81, University of Minnesota.
Major: Germanic Philology. Thesis: Old English Poetic Simplexes.
Major Advisers: Profs. J. L. Mitchell and C. B. Kendall.

1986. Kari Ellen Gade. M.S. '79, Moorhead State University.
Major: Germanic Philology. Thesis: Skaldic Composition in the Drott Kavanaugh Meter.
Major Adviser: Prof. Anatoly Liberman.

Greek

1978. Stephen Lawrence Rosenquist. B.A.'67, University of Nebraska; M.A.'70, University of Minnesota.
Major: Greek. Minor: Supporting Program. Thesis: Cretan Myths in Euripides, Catullus, and Vergil: Allusions to the Strange and Perverted.
Major Adviser: Prof. R. P. Sonkowsky.

1979. Panaghiota George Kaldis-Henderson. M.A.'66, University of Minnesota.
Major: Greek. Minor: Latin. Thesis: A Study of Women in Ancient Elis.
Major Adviser: Prof. T. B. Jones.

Hispanic Linguistics

1977. Rafael Antonio Nunez-Cedeno. B.A.'72, M.A.'75, New York University.
Major: Hispanic Linguistics. Minor: Supporting Program. Thesis: The Phonology of Santo Domingo Spanish.
Major Advisers: Profs. R. A. Narvaez and L. M. Grimes.

1980. Thomas Leger Romens. B.A. cum laude '71, St. John's University; M.A.'73, University of Minnesota.
Major: Hispanic Linguistics. Minor: Spanish. Thesis: A Sociolinguistic Approach to Dramatic Literature: The Case of Valle-Inclan's Aguila de Blason.
Major Advisers: Profs. R. A. Narvaez and A. N. Zahareas.

1982. Michael Finnemann. B.A.'69, Kalamazoo College; M.A.'70, University of Minnesota.
Major: Hispanic Linguistics. Minor: Linguistics. Thesis: Aspects of Spanish Causative Construction.
Major Adviser: Prof. R. A. Narvaez.

1983. James Edward Hundley. B.S.'62, M.A.'66, University of Minnesota.
Major: Hispanic Linguistics. Minor: Supporting Program. Thesis: Linguistic Variation in Peruvian Spanish: Unstressed Vowel and /S/.
Major Advisers: Profs. R. A. Narvaez and Kathleen Houlihan.

1983. Alma Leticia Lopez. B.S. with honors '74, New Mexico Institute of Technology; M.A.'76, University of New Mexico.
Major: Hispanic Linguistics. Minor: Supporting Program. Thesis: A Sociolinguistic Analysis of /S/ Variation in Honduran Spanish.
Major Adviser: Prof. Kathleen Houlihan.

1985. Lorenzo Richard Florian. B.A. '79, M.A. '80, College of St. Thomas.
Major: Hispanic Linguistics. Minor: Supporting Program. Thesis: The Phonology of Venezuelan Spanish: Consonant Weakening and Strengthening.
Major Adviser: Prof. R. A. Narvaez.

Italian

1977. Suzanne Erica Cowan. B.A.'62, University of Chicago.
Major: Italian. Minor: French. Thesis: The Militant Theatre of Dario Fo.
Major Adviser: Prof. Arshi Pipa.

Japanese

1981. Chong Hae Chung. B.A.'57, Seoul National University; M.F.A.'71, University of Minnesota.
Major: Japanese. Minor: Supporting Program. Thesis: Natsume Soseki: The Spiritual Basis of His Art.
Major Adviser: Prof. E. M. Copeland.

1985. Phyllis Hyland Larson. B.A. cum laude '69, St. Olaf College; M.A. '73, University of Minnesota.
Major: Japanese. Minor: History. Thesis: Yosano Akiko: The Early Years.
Major Adviser: Prof. E. M. Copeland.

Latin

1977. David Stanley Matz. B.A. with distinction '69, Lawrence University; M.A.'74, University of Minnesota.
Major: Latin. Minor: Supporting Program. Thesis: Epigraphical Evidence Relating to the Roman Gladiatorial Establishment.
Major Adviser: Prof. D. C. Swanson.

1981. Leonid A. Jirgensons.
Major: Latin. Minor: Greek. Thesis: A Formal Analysis of Vergil's Substantive Suffixes with Special Regard to Proper Nouns.
Major Adviser: Prof. G. M. Erickson.

Linguistics

1977. Mushira Abou-Bakr Eid. B.A.'67, Cairo University; M.A.'71, University of Minnesota.
Major: Linguistics. Minor: English. Thesis: Constraints on Copying and Deletion in Syntax.
Major Adviser: Prof. G. A. Sanders.

1982. Patrice Marie Beddor. B.S. with high distinction '74, M.A.'76, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: Phonological and Phonetic Effects of Nasalization on Vowel Height.
Major Adviser: Prof. Kathleen Houlihan.

1982. Timothy Robert Friberg. B.A.'68, Wheaton College; M.A.'78, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: New Testament Greek Word Order in Light of Discourse Considerations.
Major Adviser: Prof. R. V. Miranda.

1983. Feride Fatma Erku. B.A.'75, Bogazici University; M.A.'78, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: Discourse Pragmatics and Word Order in Turkish.
Major Adviser: Prof. B. T. Downing.

1983. Margaret Van Peenen Grimes. B.A. magna cum laude '54, Briar College; M.S.'74, Georgetown University.
Major: Linguistics. Minor: French. Thesis: Segmental Processes, Prosody, and Their Interaction in the Bruxellois Dialect of French.
Major Adviser: Prof. Kathleen Houlihan.

Linguistics

1983. Karen Lynn Ryan. B.A. with honors '76, University of Wisconsin, Milwaukee; M.A.'81, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: A Grammar of the English Comparative.
Major Adviser: Prof. L. G. Hutchinson.
1984. Deborah Anna Dahl. B.S. magna cum laude '75, M.A.'80, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: The Structure and Function of "One"-Anaphora in English.
Major Advisers: Profs. A. L. Sheldon and J. K. Gundel.
1984. Ruth Carolyn Loew. B.A. magna cum laude '72, Brown University; M.A.'74, Northwestern University.
Major: Linguistics. Minor: Supporting Program. Thesis: Roles and Reference in American Sign Language: A Developmental Perspective.
Major Adviser: Prof. G. A. Sanders.
1985. Monika Lehmann Forner. B.A. '72, University of Minnesota.
Major: Linguistics. Minor: Child Psychology. Thesis: My Teacher in My House: Discourse and Syntax in Caretaker-Child Interactions.
Major Adviser: Prof. G. A. Sanders.
1985. Judith Wheaton Fuller. B.A. '55, DePauw University; M.A. '81, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: Topic and Comment in Hmong.
Major Adviser: Prof. B. T. Downing.
1985. Anne Martinson Utschig. B.A. with honors '73, University of Wisconsin, Milwaukee; M.A. '75, University of Minnesota.
Major: Linguistics. Minor: Supporting Program. Thesis: Main and Subordinate Clause Word Order.
Major Adviser: Prof. G. A. Sanders.

Music

1976. Larry Lee Fleming. B.M.'60, Concordia College; M.A.'66, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: Contemporary Choral Notation.
Major Adviser: Prof. Johannes Riedel.
1976. Victor Earl Gebauer. B.A. with high distinction '60, Concordia Senior College; B.D.'64, Concordia Seminary; M.A.'66, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: Ernst Pepping: A Career in Context.
Major Adviser: Prof. Johannes Riedel.
1976. Thaddeus James Stuart. B.M.'46, Ellsworth College Conservatory of Music; M.M.'52, Eastman School of Music.
Major: Music. Minor: Art History. Thesis: Concert-Piece for Solo Violoncello and Orchestra.
Major Adviser: Prof. Paul Fetler.
1976. Ernest William Teie. B.A.'51, Concordia College; M.M.'61, Montana State University.
Major: Music. Minor: Supporting Program. Thesis: A Comparative Study of the Development of the Third Formant in Trained and Untrained Voices.
Major Advisers: Profs. E. M. Turrentine and S. W. Schultz.
- *1976. Marianne Williams Ulliot. A.B. cum laude '62, Radcliffe College; M.F.A.'70, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

* Doctor of Musical Arts Degree

Music

*1977. Ames Ekern Anderson. B.A.'58, University of Minnesota.
Major: Music. Minor: Art History.
Major Adviser: Prof. H. R. Fleischer.

1977. Margaret Sihler Anderson. B.A. cum laude '57, M.A.'63, University of Minnesota.
Major: Music. Minor: History. Thesis: "The Organ Without a Master"--A Survey of Nineteenth Century Organ Instruction Books in the United States.
Major Adviser: Prof. Johannes Riedel.

1977. Uri Barnea. B.A.'71, Hebrew University; B.Mus.'71, Rubin Academy of Music; M.A.'74, University of Minnesota.
Major: Music. Minor: Middle Eastern Languages. Thesis: The Fire and the Mountains (a Cantata).
Major Adviser: Prof. Paul Fetler.

1977. David William Eagle. B.A., B.S.Pharm.'57, University of Minnesota.
Major: Music. Minor: Art History. Thesis: A Constant Passion and a Constant Pursuit: A Social History of Flute-Playing in England from 1800 to 1851.
Major Adviser: Prof. R. T. Laudon.

*1977. David Norman Fienen. B.Mus. with distinction '68, Indiana University; M.A.R.'71, Concordia Seminary.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. H. R. Fleischer.

1977. Paul Gaardner Kaatrud. B.Mus.'49, MacPhail College; B.D.'53, Northwestern Lutheran Theological Seminary; M.Mus.'57, Northwestern University; B.A.'57, Pacific Lutheran University.
Major: Music. Minor: Supporting Program. Thesis: Revivalism and the Popular Spiritual Song in Mid-Nineteenth Century America: 1830-1870.
Major Adviser: Prof. Johannes Riedel.

1977. Arthur Maud. B.A. with honors '53, M.A.'60, University of Utah.
Major: Music. Minor: History. Thesis: Sinfonia Concertante for Organ and Orchestra.
Major Adviser: Prof. Paul Fetler.

*1977. Richard Dale Waggoner. B.Mus.'50, Morningside College; M.Mus.'56, University of Colorado.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. H. R. Fleischer.

*1977. Lawrence Allen Young. B.Mus.'71, Boston University; M.F.A.'77, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. H. R. Fleischer.

1978. Elizabeth Brown Larsen. B.A.'72, M.A.'75, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: The Words upon the Windowpane: A One Act Opera.
Major Adviser: Prof. Lloyd Ultan.

1978. Stephen Harrison Paulus. B.A.'71, M.A.'74, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: Canticles: Songs and Rituals for Easter and the May for Mixed Chorus, Soprano and Mezzo Soprano Soloists, Orchestra and Organ.
Major Adviser: Prof. Paul Fetler.

1978. Anthony Peter Thein. B.A.'60, St. John's University; M.Mus.'67, Indiana University.
Major: Music. Minor: Supporting Program. Thesis: American Art Songs for Tenor, Baritone, and Bass Voices from 1850 to 1920.
Major Adviser: Prof. E. M. Turrentine.

* Doctor of Musical Arts Degree

Music

1979. Nina M. Archabal. A.B. cum laude '62, Radcliffe College; M.A.T.'63, Harvard University.
Major: Music. Minor: Supporting Program. Thesis: Carl Ruggles: An Ultramodern Composer as Painter.
Major Adviser: Prof. Johannes Riedel.

1979. Charles Edward Argersinger. B.Music with distinction '73, M.M.'77, Arizona State University.
Major: Music. Minor: Supporting Program. Thesis: Concerto for Saxophone and Chamber Orchestra.
Major Adviser: Prof. Paul Fetler.

*1979. Jerome Thomas Brakke. B.A.'65, University of Minnesota; M.M.'74, Mankato State College.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. H. R. Fleischer.

*1979. Elizabeth Roberts Cheyney. B.S.'64, Westhampton College; M.M.'66, Northwestern University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. C. Ware, Jr.

*1979. Mary Carolyn Webb De Jong. B.Mus.'57, Eastman School of Music; M.Mus. with distinction '58, Indiana University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. P. W. Freed.

1980. Olive Jean Hughes Bailey. B.Mus.Ed.'44, North Central College; M.A.'72, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: The Influence of Ernst Krenek on the Musical Culture of the Twin Cities.
Major Adviser: Prof. Johannes Riedel.

*1980. Patricia Marie Martin Laliberte. B.A. magna cum laude '54, M.A.'73, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. Johannes Riedel.

1980. Lester Parker Monts. B.A.'70, Arkansas Polytechnic College; M.M.'72, University of Nebraska.
Major: Music. Minor: Supporting Program. Thesis: Music in Vai Society: An Ethnomusicological Analysis of a Liberian Ethnic Group.
Major Adviser: Prof. Johannes Riedel.

*1980. Jerald Dennis Ondrozek. B.A.'67, Augustana College; M.F.A.'73, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

1980. George Michael Schelle. B.A.'71, Villanova University; B.M.'74, Butler University; M.Mus.'76, University of Hartford.
Major: Music. Minor: Supporting Program. Thesis: Masque--A Story of Puppets, Poets, Kings and Clowns--in Seven Scenes for Nine Wind Instruments, Percussion, Piano and Strings.
Major Adviser: Prof. Paul Fetler.

1980. Lance Hartwell Strickland. B.M.Ed.'62, B.M.'63, College of William and Mary; M.M.'65, University of Illinois.
Major: Music. Minor: Music Education. Thesis: Movements for Winds, Brass and Percussion.
Major Advisers: Profs. Johannes Riedel and E. N. Stokes.

1981. James Robert DeMars. B.A.'74, Macalester College; M.A.'78, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: Passages: I. A Pulse for Psyche (Anonymous). II. Music from a Farther Room (T. S. Eliot). III. Silent Upon New Perfectly Sun) One (E. E. Cummings).
Major Adviser: Prof. E. N. Stokes.

* Doctor of Musical Arts Degree

Music

1981. Carol Louise Heen. B.A.'71, Southwest State University; M.A.'72, University of Minnesota.

Major: Music. Minor: Supporting Program. Thesis: Style Analysis of Jazz: Guidelines Toward a History of Jazz.

Major Adviser: Prof. Johannes Riedel.

1981. Myrna Evelyn Johnson. B.S. summa cum laude '71, Moorhead State College; M.A.'72, Central Washington State College.

Major: Music. Minor: Supporting Program. Thesis: Artform in Time for Orchestra.

Major Adviser: Prof. Paul Fetler.

1981. Kenneth Hugh Nichols. Diploma '61, University of Toronto; M.M. with distinction '67, Indiana University.

Major: Music. Minor: Art History. Thesis: The Orchestral Compositions of Harry Freedman: A Parametric Analysis of Major Works Written Between 1952-1967.

Major Adviser: Prof. Paul Fetler.

*1981. Shirley Jean Grover Olsen. B.A. cum laude '67, M.S.'70, Wisconsin State University, Eau Claire.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. H. R. Fleischer.

1981. Bertus Frederick Polman. A.B.'64, Dordt College; M.A.'69, University of Minnesota.

Major: Music. Minor: American Studies. Thesis: Church Music and Liturgy in the Christian Reformed Church of North America.

Major Adviser: Prof. Johannes Riedel.

*1981. Kristine Irene Schroeder Ruckert. B.M.'70, University of Wisconsin; M.M.'72, Northwestern University.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. H. R. Fleisher.

*1981. Roger Garms Ruckert. A.B.'77, Princeton University; M.F.A.'79, University of Minnesota.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. H. R. Fleischer.

1981. Earl Larson Sherburne. B.A.'67, Augustana College; M.A.'74, University of Northern Colorado.

Major: Music. Minor: Supporting Program. Thesis: A Comparative Analysis of the Air Pressure Used in Tone Production on the Trombone and Euphonium.

Major Adviser: Prof. S. W. Schultz.

*1981. Gary Brooks Wilson. B.M.'68, Concordia College.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. R. A. Schuessler.

*1982. Wesley C. Andersen. B.A.'30, Macalester College; M.M.'37, Northwestern University.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. H.R. Fleischer.

1982. Leonard Phillip Danek. B.F.A. magna cum laude '70, M.F.A.'72, University of Minnesota.

Major: Music. Minor: Supporting Program. Thesis: Concerto for Piano and Orchestra.

Major Adviser: Prof. Paul Fetler.

*1982. Desiderius Klempay. B.A.'65, M.A.'67, California State College at Los Angeles.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. H.R. Fleischer.

* Doctor of Musical Arts Degree

Music

*1982. Allan Wayne Mahnke. B.A.'66, Concordia College; B.D.'70, Concordia Seminary.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. H.R. Fleischer.

*1982. Nancy Ann Paddleford. B.M.'72, M.M.'72, Indiana University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

1982. James Carlisle Phillips. B.A.'73, Hamline University; M.A.'74, Washington University.
Major: Music. Minor: Supporting Program. Thesis: Symphony: Clouds IV.
Major Adviser: Prof. E. N. Stokes.

*1982. Larry L. Scully. B.F.A.'77, M.F.A.'80, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

*1983. Ronald Norman Albrecht. B.A.'75, Augsburg College; M.F.A.'79, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. R. T. Laudon.

1983. James Wesley Clarke. B.A.'64, University of North Dakota; M.F.A.'68, University of Minnesota.
Major: Music. Minor: American Studies. Thesis: Prof. W.S.B. Mathews (1837-1912): Self-Made Musician of the Gilded Age.
Major Adviser: Prof. Johannes Riedel.

1983. Mary Ann Janisch Feldman. B.A. summa cum laude '54, University of Minnesota.
Major: Music. Minor: English. Thesis: George P. Upton: Journalist, Music Critic and Mentor to Early Chicago.
Major Adviser: Prof. Johannes Riedel.

*1983. Joyce Martha Hite. B.M. summa cum laude '65, Capital University; M.A.'66, University of Iowa.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

1983. Barbara Lamb. B.S.'70, M.A.'77, University of Minnesota.
Major: Music. Minor: Supporting Program. Thesis: Thursday Musical in the Musical Life of Minneapolis.
Major Adviser: Prof. E. M. Turrentine.

1983. Merritt Charles Nequette. B.A.'59, St. John's University; M.A.'73, M.F.A.'78, University of Minnesota.
Major: Music. Minor: Classics. Thesis: Music in the Manuscripts at the Stiftsbibliothek Melk Abbey, Austria.
Major Adviser: Prof. Johannes Riedel.

1983. Linda Faye Parker. B.S.'69, A and T College of North Carolina; M.A.'71, University of Iowa.
Major: Music. Minor: Supporting Program. Thesis: Women in Music in St. Paul from 1898 to 1957 with Emphasis on the St. Paul Public Schools.
Major Adviser: Prof. E. M. Turrentine.

1983. Jane E. Rasmussen. B.A.'49, College of St. Scholastica; M.F.A.'55, University of Georgia.
Major: Music. Minor: American Studies. Thesis: 19th Century American Church Music as Viewed Through the Periodicals of the Protestant Episcopal Church in the United States, 1804-74.
Major Adviser: Prof. Johannes Riedel.

*1983. Dorit Samuel. B.M.'75, University of Tel-Aviv; M.F.A.'79, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

* Doctor of Musical Arts Degree

Music

*1983. Linda Krakowski Spicher. B.A.'72, West Virginia Wesleyan College; M.A.'74, University of Iowa; M.M.'77, Wichita State University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. C. Ware.

*1983. L. William Tornow. B.M. magna cum laude '71, Concordia College; M.A.'78, Trinity University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. B. D. Weiser.

1983. David John Watson. B.M.E. magna cum laude '73, Northern Michigan University; M.A.'81, University of Minnesota.
Major: Music. Minor: Philosophy. Thesis: At Vespers in the Ruins.
Major Adviser: Prof. Paul Fetler.

1984. Sarah Winston Aderholdt. B.M.'77, M.M.'80, University of North Carolina at Chapel Hill.
Major: Music. Minor: Supporting Program. Thesis: Let Horrid Jargon Split the Air: Billings' Rhapsody.
Major Adviser: Prof. D. J. Argento.

1984. Mark Paul Bangert. B.A.'60, Concordia Senior College; B.D.'64, S.T.M.'69, Concordia Seminary; M.A.'73, University of Minnesota.
Major: Music. Minor: Religious Studies. Thesis: Edward Reclin: Organist and Musician of the Church.
Major Adviser: Prof. Riedel Johannes.

1984. Victoria Ann Fullam. B.M.'74, Philadelphia College of the Performing Arts; M.M.'79, University of Washington.
Major: Music. Minor: Supporting Program. Thesis: Mermaid.
Major Adviser: Prof. D. J. Argento.

1984. Gregory Roy Giese. B.A.'77, Wisconsin College-Conservatory; M.A.'80, University of Minnesota.
Major: Music. Minor: Physics. Thesis: Timbre Dimensions for Musical Control.
Major Adviser: Prof. E. N. Stokes.

*1984. Shirley Ann Holzer. B.A.'58, Emmanuel Missionary College; M.M.'60, Roosevelt University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. C. Ware.

*1984. Max Paul Radloff. B.M. cum laude '68, Lawrence University; M.F.A.'77, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Advisers: Profs. P. W. Freed and R. T. Laudon.

*1984. Axel Knut Theimer. B.A.'71, Saint John's University; M.F.A.'74, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. C. Ware.

*1984. Dale Allen White. B.M.'73, Maryville College; M.M.'75, Yale University.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. B. Baldwin.

*1985. Lynn Marie Erickson. B.A. '78, Bethel College; M.F.A. '80, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. B. Baldwin.

*1985. James Dalton Gauthier. B.M. '75, University of Iowa; M.F.A. '79, University of Minnesota.
Major: Music. Minor: Supporting Program.
Major Adviser: Prof. D. B. Baldwin.

* Doctor of Musical Arts Degree

Music

*1985. Ona Jane Pinsonneault. B.A. '66, M.F.A. '68, University of Minnesota.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. J. E. Anderson.

1985. William Liddell Smith. B.Mus. '72, University of Michigan; M.Div. '76, Luther Theological Seminary.

Major: Music. Minor: Supporting Program. Thesis: The Burial Agenda and Associated Music in Pre-Reformation England.

Major Adviser: Prof. Johannes Riedel.

*1985. Janet Ebba Stearns. B.M. with distinction '75, University of Redlands; M.M. '76, Southern Illinois University; M.M. '78, University of Idaho.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. D. C. Ware.

1985. Donald Bruce Thiessen. B.Mus. '76, B.Ed. '76, Brandon University; M.Mus. '77, University of Western Ontario.

Major: Music. Minor: Supporting Program. Thesis: An Assessment of Music Objectives as Rated Important and Achieved by Personnel From Canadian Bible Colleges Affiliated with the American Association of Bible Colleges.

Major Adviser: Prof. E. M. Turrentine.

1985. Janika Lynn Vandervelde. B.M.E. magna cum laude '77, University of Wisconsin, Eau Claire.

Major: Music. Minor: Supporting Program. Thesis: Henry's Fate (Genesis III).

Major Adviser: Prof. E. N. Stokes.

1985. Daniel Arthur Zager. B.M. '73, M.A. '74, University of Wisconsin, Madison; M.A. '79, University of Minnesota.

Major: Music. Minor: Supporting Program. Thesis: The Polyphonic Latin Hymns of Orlando Di Lasso: A Liturgical and Repertorial Study.

Major Adviser: Prof. D. C. Jackson.

1986. Susan Marie Berdahl. B.M. '70, University of Iowa; M.M. '72, University of Miami.

Major: Music. Minor: Supporting Program. Thesis: The First Hundred Years of the Boehm Flute in the United States, 1845-1945: A Biographical Dictionary of American Boehm Flute Makers.

Major Adviser: Prof. Johannes Riedel.

1986. Bill Derksen. B.A. '66, University of Saskatchewan; M.A. '69, University of Minnesota.

Major: Music. Minor: Philosophy. Thesis: David and Saul, A Music Drama.

Major Adviser: Prof. E. N. Stokes.

1986. Steve Heitzeg. B.A. '82, Gustavus Adolphus College; M.A. '84, University of Minnesota.

Major: Music. Minor: Supporting Program. Thesis: Nine Surrealist Studies (After Salvador Dali) for Orchestra.

Major Adviser: Prof. D. J. Argento.

*1986. Daniel James McKenzie. B.S. '78, Bemidji State University; M.M. '80, Wichita State University.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. L. E. Weller.

*1986. Timothy Arends Schmidt. B.A. with honors '70, Ohio University; M.M. with high honors '72, New England Conservatory of Music.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. B. D. Weiser.

* Doctor of Musical Arts Degree

Music

*1986. Gerard Bertil Sundberg. B.A. '73, Bethel College; M.F.A. '77, University of Minnesota.

Major: Music. Minor: Supporting Program.

Major Adviser: Prof. D. C. Ware.

1986. Gregory Paul Walker. B.A. '76, M.A. '78, University of Minnesota.

Major: Music. Minor: Supporting Program. Thesis: Reflections

Major Adviser: Prof. Paul Fetler.

Scandinavian

1978. Anne Sophie Mansen Lundquist. B.A. '66, M.A. '69, University of Minnesota.

Major: Scandinavian. Minor: Supporting Program. Thesis: Chefen fru Ingeborg, A Study of Its Narrative Technique and Theme.

Major Adviser: Prof. Nils Hasselmo.

1980. Stephen Arthur Mitchell. A.B. with distinction '74, University of California; M.A. '77, University of Minnesota.

Major: Scandinavian. Minor: Supporting Program. Thesis: Dialogue in the Early Swedish Novel: Studies in the Presentation of Speech from Cederborgh to Flygare-Carlen.

Major Adviser: Prof. Nils Hasselmo.

1980. Solveig Pauline Tweet Zempel. B.A. magna cum laude '69, St. Olaf College; M.A. '71, University of Minnesota.

Major: Scandinavian. Minor: Supporting Program. Thesis: Language Use in the Novels of Johannes B. Wist: A Study of Bilingualism in Literature.

Major Adviser: Prof. Nils Hasselmo.

1983. Pal Bjorby. B.A. magna cum laude '70, St. Olaf College; M.A. '72, Middleburg College.

Major: Scandinavian. Minor: Supporting Program. Thesis: A Study of an Ideal in the Authorship of Victoria Benedictsson.

Major Adviser: Prof. G. K. N. Stockenstrom.

South Asian Languages

1976. Daniel James Bisgaard. B.A. '70, University of Minnesota.

Major: South Asian Languages. Minor: Supporting Program. Thesis: Social Conscience in Sanskrit Literature.

Major Adviser: Prof. M. A. R. Barker.

1979. Larry James DeVries. B.A. '64, Kalamazoo College; M.A. '76, University of Minnesota.

Major: South Asian Languages. Minor: Supporting Program. Thesis: Vedic rta- and Avestan asa-.

Major Adviser: Prof. M. A. R. Barker.

1980. George John Hoynacki. B.A. '52, Marquette University; M.Ed. '61, Harvard University.

Major: South Asian Languages. Minor: Supporting Program. Thesis: Suryakant Tripathi 'Nirala' and the Chayavad School of Indian Literature (1920-1935): An Investigation and Analysis of Nirala's Poetry and His Impact upon the Literary Movements in Indian Literature.

Major Adviser: Prof. R. D. Munda.

1982. Jennifer Quinn. B.A. cum laude '69, Beloit College; M.A. '75, University of Minnesota.

Major: South Asian Languages. Minor: Music. Thesis: Marathi and Konkani Speaking Women in Hindustani Music 1880-1940.

Major Adviser: Prof. I. Y. Junghare.

1983. Philip Charles Engblom. B.A. magna cum laude '73, Rockford College.

Major: South Asian Languages. Minor: English. Thesis: The Marathi Sonnet: The Origins of the Species.

Major Adviser: Prof. I. Y. Junghare.

* Doctor of Musical Arts Degree

South Asian Languages

1984. Catherine Ella Asher. B.A. with honors '68, Lake Forest College; M.A.'78, University of Minnesota.
Major: South Asian Languages. Minor: Supporting Program. Thesis: The Patronage of Sher Shah Sur: A Study of Form and Meaning in 16th-Century Indo-Islamic Architecture.
Major Adviser: Prof. D. S. Lelyveld.

1984. Renee Anita Holoien. B.A.'75, M.A.'78, University of Minnesota.
Major: South Asian Languages. Minor: Supporting Program. Thesis: Ancient Indian Dramatic Music and Aspects of Melodic Theory in Bharata's Natyasastra.
Major Adviser: Prof. R. V. Miranda.

1986. David Niles Nelson. B.A. '72, M.A. '81, University of Minnesota.
Major: South Asian Languages. Minor: Supporting Program. Thesis: The Historical Development of the Nuristani Languages.
Major Advisers: Profs. I. Y. Junghare and R. V. Miranda.

Spanish

1976. Aldo Ramon Fores. D.L.'47, University of Havana; B.A.'65, College of Great Falls; M.A.'68, University of Minnesota.
Major: Spanish. Minor: Education. Thesis: The Poetry of Agustín Acosta, "National Poet of Cuba."
Major Adviser: Prof. R. O. Floripe.

1976. Leon Orlan Narvaez. B.A.'67, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: The Grotesque in Selected Novels of Benito Perez Galdos.
Major Advisers: Profs. R. O. Floripe and W. T. Pattison.

1976. Susan Marie Wirth. B.A.'62, Muhlenberg College; M.A.'68, Temple University.
Major: Spanish. Minor: French. Thesis: Protagonist, Narrator and Implied Author in Luis Martin Santos' Tiempo de Silencio.
Major Adviser: Prof. J. B. Hughes.

1977. Mary Kidd Hanson. B.A. with distinction '69, Mary Washington College; M.S.'71, University of Minnesota.
Major: Spanish. Minor: History. Thesis: The Rhetoric of Eighteenth-Century Spanish Prose.
Major Adviser: Prof. A. N. Zahareas.

1978. Robert Royal Krueger. B.A. cum laude '68, University of Minnesota.
Major: Spanish. Minor: Portuguese. Thesis: Ideology and Esthetics in Grande Sertao: Veredas by Joao Guimaraes Rosa.
Major Adviser: Prof. R. G. Hamilton.

1978. Antonio Maria Lazcano. Dr.'54, University of Havana.
Major: Spanish. Minor: Supporting Program. Thesis: Gertrudis Gomez de Avellaneda: Ideas About Cuban Society of Her Times in Her Prose.
Major Advisers: Profs. R. O. Floripe and W. T. Pattison.

1978. Beatriz Pastor. M.A.'73, University of Minnesota.
Major: Spanish. Minor: French. Thesis: Alienacion y Rebelion en la Narrativa de Roberto Arlt.
Major Adviser: Prof. Hernan Vidal.

1979. Mary Mitchell Fenwick. A.B.'62, Indiana University; M.A.'71, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: A Literary Application of the Dependency Theory re The Green House by Mario Vargas Llosa.
Major Adviser: Prof. Hernan Vidal.

Spanish

1979. Fabiola Franco. Licenciatura '63, Universidad Pedagogia Nacional; M.A.'70, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: SER-ESTAR in the Light of Modern Linguistics.
Major Adviser: Prof. A. N. Zahareas.
1979. David Jonathan Hildner. A.B. with high honors '73, Oberlin College; M.A.'76, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: The Role of Reason and the Passions in the Comedias of Calderon.
Major Adviser: Prof. Nicholas Spadaccini.
1979. Thomas Richard McCallum. B.A.'70, M.A.'72, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: Madness and Ideology in Cervantes' Don Quijote.
Major Adviser: Prof. A. N. Zahareas.
1979. Patricia Pinto. Bachiller en Humanidades '61, Profesor de Castellano '68, Universidad de Chile.
Major: Spanish. Minor: Portuguese. Thesis: Espana en la Poesia de Luis Cernuda (Spain in the Poetry of Luis Cernuda).
Major Adviser: Prof. Antonio Ramos.
1980. Maria Angelina Duarte. B.A.'71, Vanderbilt University; M.A.'74, University of Texas.
Major: Spanish. Minor: Hispanic Linguistics. Thesis: Socio-Political Undercurrents in Four Works by Jose Rodrigues Migueis.
Major Adviser: Prof. R. W. Sousa.
1980. Michael Phillips Johnson. B.A.'66, M.A.'71, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: The Social and Political Implications of Quevedo's Scatological Satire.
Major Adviser: Prof. A. N. Zahareas.
1980. Benjamin Rojas-Pina. Profesor de Castellano '73, Universidad de Chile.
Major: Spanish. Minor: Portuguese. Thesis: La Prosa Narrativa de Vincente Huidobro.
Major Adviser: Prof. A. N. Zahareas.
1980. Arthur Albert Tienken. B.A.'74, University of London; M.A.'71, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: Benjamin Subercaseaux and the Quest for Chile.
Major Adviser: Prof. Hernan Vidal.
1981. Luis de la Barra Arroyo. B.A.'68, Universidad Catolica de Chile; M.A.'72, University of Texas.
Major: Spanish. Minor: Supporting Program. Thesis: Literatura, Arte de Contar y Pader Politico en El Conde Lucanor (Literature, Story-Telling and Political Power in El Conde Lucanor).
Major Adviser: Prof. A. N. Zahareas.
1981. Jaime Dario Calvillo. B.A.'70, University of Texas.
Major: Spanish. Minor: Supporting Program. Thesis: Between Heaven and Earth: Actos of el Teatro Campesino.
Major Adviser: Prof. Hernan Vidal.
1981. David Sanderson George. B.A.'64, M.A.'66, University of Minnesota.
Major: Spanish. Minor: Portuguese. Thesis: Anthropology and the Modern Brazilian Theatre.
Major Adviser: Prof. R. G. Hamilton.

Spanish

1981. Marcela Christine Lucero. B.A.'59, University of Denver; M.A.'68, University of Kansas.
Major: Spanish. Minor: Hispanic Linguistics. Thesis: Colorado Chicanos: Their History, Their Literature.
Major Adviser: Prof. Hernan Vidal.
1981. Norman M. Potter. Lic.'56, Universidade de Sao Paulo.
Major: Spanish. Minor: English. Thesis: The Construction of Narrative Space in the Modern Brazilian Novel (1902-1938). (A Construção do Espaço Narrativo no Romance Brasileiro Moderno (1902-1938).)
Major Adviser: Prof. R. W. Sousa.
1982. Thomas Washington, Jr. B.A.'61, M.A.'64, University of Illinois.
Major: Spanish. Minor: Supporting Program. Thesis: The Narrative Works of Rosario Castellanos: In Search of History--Confrontations with Myth.
Major Adviser: Prof. Hernan Vidal.
1983. Mabel Eve Morana. Profesora '76, Instituto de Profesores "Artigas".
Major: Spanish. Minor: Supporting Program. Thesis: Literatura Y Cultura Nacional En HispanoAmerica (1910-1940).
Major Adviser: Prof. Hernan Vidal.
1983. Alberto Sandoval. B.A. magna cum laude '75, Carroll College.
Major: Spanish. Minor: Supporting Program. Thesis: ESTRUCTURA E IDEOLOGIA EN LAS COMEDIAS DE JUAN RUIZ DE ALARCON. (Para la determinación de una cronología).
Major Adviser: Prof. Nicholas Spadaccini.
1984. Javier Fernando Campos. Profesor de Español '72, Universidad de Concepcion.
Major: Spanish. Minor: Supporting Program. Thesis: Poesía Chilena: 1961-1973 (Gonzalo Millan, Waldo Rojas Y Oscar Hahn).
Major Adviser: Prof. Hernan Vidal.
1984. Luis Felipe Diaz. B.A.'75, University of Puerto Rico; M.A.'78, University of Illinois.
Major: Spanish. Minor: Supporting Program. Thesis: Ironía E Ideología En La Regenta de Leopoldo Ala.
Major Adviser: Prof. Antonio Ramos.
1985. Joseph Figueroa Delgado. B.A. '72, St. John's University, M.A. '74, University of Minnesota
Major: Spanish. Minor: Speech-Communication. Thesis: The Metaphorical Construction of Political Reality: Luis Munoz-Marin's Public Persona and the Exodus Fantasy of the Commonwealth Rhetorical Vision.
Major Adviser: Prof. R. A. Narvaez.
1985. John Charles Haggstrom. B.A.'64, University of Wisconsin; M.A.'74, University of Texas at Austin.
Major: Spanish. Minor: Supporting Program. Thesis: Negritude and Afro-Portuguese Poetry.
Major Adviser: Prof. R. G. Hamilton.
1985. Sharon Thompson Kuusisto. B.S.'63, M.A.'67, University of Minnesota.
Major: Spanish. Minor: Supporting Program. Thesis: The Historical Basis of Satire in Quevedo's Suenos: The Social Construction of Evil.
Major Adviser: Prof. A. N. Zahareas.

Theatre Arts

1976. David Robert Kanter. B.F.A.'51, Drake University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Academy Approach to the Teaching of Acting in a Liberal Arts University. An Examination of the History, Philosophy and Practical Results for the Students of the Meadowbrook Academy at Oakland University from Its Inception to Date.
Major Adviser: Prof. C. M. Nolte.
1976. Carol Elaine Moorhead Simpson. B.A.'67, Muskingham College; M.A.'71, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Orpheus and the Dramatic Performance of Poetry.
Major Advisers: Profs. R. P. Sonkowsky and D. W. Thompson.
1977. D. J. Cermele. B.A.'57, Antioch College; M.F.A.'59, Boston University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: An Investigation of the Current Activities of Undergraduate Theatre Majors Who Were Graduated from the University of Minnesota at Minneapolis, Duluth and Morris and the Minnesota State Colleges at Bemidji, Mankato, Moorhead, Saint Cloud and Winona from 1965 Through 1969.
Major Adviser: Prof. C. M. Nolte.
1977. Catherine Agnes Dezseran. B.A. cum laude '71, M.A.'74, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Development of the Audition as a Method of Selecting Actors for the Professional Legitimate Theatre.
Major Adviser: Prof. R. D. Moulton.
1977. Robert Craig Hansen. B.A. with distinction '73, University of Minnesota, Morris; M.S.'74, Florida State University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Scenic and Costume Design for the Ballet Russes Between 1909 and 1929.
Major Adviser: Prof. W. J. Josal.
1977. Donald Phillip Hill. B.A. magna cum laude '49, Muskingum College; M.A.'56, Western Reserve University; M.F.A.'67, University of Iowa.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Selected Comedies of Noel Coward: An Analysis of Comic Techniques.
Major Adviser: Prof. A. H. Ballet.
1977. William Ralph Levis. B.F.A.'68, University of Oklahoma.
Major: Theatre Arts. Minor: Supporting Program. Thesis: An Experiment with Identity: Australian Drama from 1969 to 1974.
Major Adviser: Prof. A. H. Ballet.
1977. Julien Lind Phillips. B.A. magna cum laude '67, University of Minnesota; A.M.'67, University of Illinois.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Mask: Theory and Practice in the Plays of Eugene O'Neill.
Major Adviser: Prof. W. J. Josal.
1977. Celeste Rita Raspaniti. A.B.'50, Alverno College; M.A.'58, Marquette University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Strategy of Form: The Shape of Length.
Major Adviser: Prof. J. D. Hurrell.
1977. Lorraine F. Steiner. B.S.'50, University of Wisconsin; M.A.'59, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Role of the Grande Dame in the Milieu of the French Salon, as Represented in Selected Works of Marcel Proust and Jean Anouilh.
Major Adviser: Prof. K. L. Graham.

Theatre Arts

1978. Phillip Barry Zarrilli. A.B. with high honors '69, Ohio University; M.Div.'72, McCormick Theological Seminary.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Kalarippayatt and the Performing Artist East and West, Past, Present, Future.
Major Adviser: Prof. J. D. Hurrell.

1979. Theresa Jane Bundick. B.A.'72, Texas Tech University; M.A.'74, Bowling Green State University.
Major: Theatre Arts. Minor: English. Thesis: Costume Design at the Guthrie Theatre in Its First Ten Years.
Major Adviser: Prof. J. D. Hurrell.

1979. Howard Vincent Dallin. B.A.'60; B.Ed.'62, University of Saskatchewan; M.F.A.'70; M.A.'70, University of Oregon, Eugene.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Theatrical Concepts and Directorial Approaches of Michael Langham.
Major Adviser: Prof. H. W. Balk.

1979. Lesley Kathryn Ferris. B.A.'70, Mount Union College; M.A.'74, San Diego State College.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Theatre of Andre Benedetto and La Nouvelle Compagnie D'Avignon: In Search of a Working Class Aesthetic 1961-1977.
Major Advisers: Profs. G. W. Gadberry and D. W. Thompson.

1979. Donald Dewey Fogelberg. B.A.'60, B.S.'61, M.A.'67, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Impact of the Architecture of the Tyrone Guthrie Theater on the Process of Play Production.
Major Adviser: Prof. W. J. Josal.

1979. Lawrence James Hill. B.S.'64, M.A.'68, Eastern Michigan University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: A History of Variety-Vaudeville in Minneapolis, Minnesota, from Its Beginning to 1900.
Major Adviser: Prof. C. M. Nolte.

1979. Robert Jorge. B.F.A.'71, University of Wisconsin, Milwaukee; M.A.'73, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: A Delicate Giant: S. N. Behrman and the Theatrical Compromise (An Investigation into His Last Three Produced Plays).
Major Adviser: Prof. J. D. Hurrell.

1979. Timothy John Palkovic. B.S. cum laude '67, M.A.'68, Kent State University.
Major: Theatre Arts. Minor: Supporting Program. Thesis: An Analysis of Five Selected Drawing Systems As Scenic Design Tools for the Proscenium, Arena, Thrust, and Open Space Stages.
Major Adviser: Prof. W. J. Josal.

1979. Margaret Millen Lee Swanson. B.A.'70, University of Wisconsin; M.A.'73, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Irony in Selected Neo-Hellenic Plays.
Major Advisers: Profs. G. W. Gadberry and D. W. Thompson.

1980. Sr. Germaine Helen Goetz. B.A.'55, Rosary College; M.A.'68, Marquette University; M.A.'75, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Between Manic and Depressive: A Study of the Five Plays of Graham Greene.
Major Advisers: Profs. Virginia Fredricks and D. W. Thompson.

1980. Gorden Orlin Hedahl. B.S. cum laude '68, M.A.'72, University of North Dakota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Effects of Creative Drama and Filmmaking on Self-Concept.
Major Adviser: Prof. K. L. Graham.

Theatre Arts

1980. James Lee Jorgensen. B.A.'61, Carleton College; M.A.'70, University of Minnesota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Metastasio: Revaluation and Reformulation.

Major Adviser: Prof. Charles Nolte.

1980. Frank Pike. A.B. with highest honors '75, Rutgers College; M.A.'77, University of Minnesota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Confession as an Implicit Structuring Device in the Late Plays of Eugene O'Neill.

Major Adviser: Prof. C. M. Nolte.

1980. Mary Eleanor Homquist Saboe. B.A.'67, M.A.'71, University of Minnesota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Paradigm Change in Par Lagerkvist's Crucifixion Pentalogy.

Major Advisers: Profs. M. V. Fredricks and J. A. Simpson.

1980. Lesley Carol Schreiber. B.F.A. summa cum laude '75, Lake Erie College.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Movement Training for the Actor: Laying the Foundation in Movement Principles.

Major Adviser: Prof. R. D. Moulton.

1980. Marijo Crimont Toner. B.A.'69, M.A.'71, University of Portland.

Major: Theatre Arts. Minor: Architecture. Thesis: Architect and Theatre: Ralph Rapon.

Major Adviser: Prof. W. J. Josal.

1981. Ann Del Vecchio. B.A.'76, College of St. Catherine; M.A.'79, University of Minnesota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Creative Dramatics with Senior Adults: Origins, History, Philosophies and Methods.

Major Advisers: Profs. K. L. Graham and M. V. Fredricks.

1982. Deborah Anderson. B.A.'68, College of St. Benedict; M.A.'77, University of Minnesota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Story Theatre: Its Development, Implementation and Significance as a Theatrical Art Form and a Performance Technique.

Major Adviser: Prof. K. L. Graham.

1982. Frederick Eugene Gaines. B.A.'62, M.A.'64, University of Nebraska.

Major: Theatre Arts. Minor: Supporting Program. Thesis: The Effect of Collective Theatre Practices on the American Playwright.

Major Adviser: Prof. A. H. Ballet.

1982. William Alan Metcalf. B.S.'69, Ohio University; M.A.'78, Western Illinois University.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Patterns of Violence in Selected American Plays of the 1960s Compared with the Behavioral Patterns Suggested by Rollo May in Power and Innocence: A Search for the Sources of Violence.

Major Adviser: Prof. A. H. Ballet.

1982. Niel Thatcher. B.A.'65, San Francisco State College; M.A.'66, State University of South Dakota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: The Fundamental Philosophical Principles of Theatre Art.

Major Adviser: Prof. J. D. Hurrell.

1983. Edward Frank Emanuel. B.A.'65, M.A.'66, San Jose State College.

Major: Theatre Arts. Minor: Supporting Program. Thesis: A Study of the Plays of Paddy Chayefsky with a Special Emphasis on the Play, The Passion of Josef D.

Major Adviser: Prof. V. M. Fredricks.

Theatre Arts

1983. Jeffrey Patrick Harkins. B.F.A. with honors '75, University of Wisconsin, Milwaukee; M.A.'80, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Works of Oscar Wilde and Henry James in and on the Theatre.
Major Adviser: Prof. G. W. Gadberry.

1984. Jon Michael Berry. B.A.'77, Texas Lutheran College; M.A.'81, University of Texas at El Paso.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Discourse and Scenography: With Special Consideration of Four Late Nineteenth-Century European Dramas.
Major Adviser: Prof. J. D. Hurrell.

1984. Mark Jonathan Bradley. A.B. with high distinction, magna cum laude '71, Dartmouth College; M.A.'77, University of Minnesota.
Major: Theatre Arts. Minor: English. Thesis: E.E. Cummings' Him: An Annotation With Analysis and Production History.
Major Adviser: Prof. C. M. Nolte.

1984. Eunice R. Eifert. B.A. with distinction '66, Valparaiso University; M.A.'68, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Fourth Wall Shattered: A Study of the Performer-Audience Relationship In Selected Full-Length Monodramas.
Major Adviser: Prof. D. W. Thompson.

1984. Constance Fritz Gremore. B.A. cum laude '72, M.A.'76, M.A.'79, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Characteristics of Stage Adaptations of Works of Children's Literature.
Major Adviser: Prof. K. L. Graham.

1984. Ann-Charlotte H. Harvey. B.A.'62, Scripps College; M.A.'72, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Strindberg's Symbolic Room: Commanding Form for Set Design in Selected Strindberg Scripts 1887-1907.
Major Adviser: Prof. Wendell Josal.

1984. Pamela Michele Nice. B.A. magna cum laude '75, M.A.'78, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Scenic Images in Selected Plays by Tom Stoppard.
Major Adviser: Prof. J. D. Hurrell.

1984. James Frank Schaefer. B.A.'70, Beloit College; M.A.'80, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: The Interpretation of Action in Dramatic Language.
Major Advisers: Profs. D. W. Thompson and Virginia Fredricks.

1984. Suzanne Mary Sturn. B.A.'74, M.A.'76, University of Wisconsin, Madison.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Federico Garcia Lorca and La Barraca: The Influence of Classical Spanish Theatrical Form and the Puppet on the Repertory of La Barraca, and on Lorca's Approach to a Popular Stage.
Major Adviser: Prof. J. D. Hurrell.

1985. Robert Butler. B.A. '75, Open University; M.A. '77, University of Minnesota.
Major: Theatre Arts. Minor: Supporting Program. Thesis: Close Relationships in the Theatre of Simon Gray.
Major Adviser: Prof. J. D. Hurrell.

Theatre Arts

1985. Alice Hamilton Luther. B.A. '80, University of New Brunswick; M.A. '81, University of Idaho.

Major: Theatre Arts. Minor: Supporting Program. Thesis: Values, Status and Outlook of Children's Drama in the New Brunswick, Canada Junior High School System.

Major Adviser: Prof. G. W. Gadberry.

1985. Verne Allyn Meyer. A.B. '68, Calvin College; M.A. '76, Marquette University.

Major: Theatre Arts. Minor: Supporting Program. Thesis: The Relationship Between Prominent Themes in John Calvin's Theology and Common Arguments in the "Puritan" Critique of English Theatre From 1577 to 1633.

Major Adviser: Prof. G. W. Gadberry.

1985. William James Wallace. B.F.A. '74, Quincy College; M.S. '76, Indiana State University.

Major: Theatre Arts. Minor: Business Administration. Thesis: An Analysis of Selected Marketing Concepts and Their Application to the Nonprofit Theatre.

Major Advisers: Profs. M. K. Neely and Wendall Josal.

1986. James John Koldenhoven. B.A. '57, Calvin College; M.A. '62, University of South Dakota.

Major: Theatre Arts. Minor: Supporting Program. Thesis: A Structuralist Approach to the Realistic Drama of William Vaughn Moody.

Major Adviser: Prof. J. D. Hurrell.

HEALTH SCIENCES POLICY AND REVIEW COUNCIL

Anatomy

1976. Gary Stephen Nettleton. B.S. cum laude '68, McPherson College.
Major: Anatomy. Minor: Biochemistry. Thesis: Studies of the Mechanism of the Periodic Acid-Schiff Histochemical Reaction for Glycogen Using Infrared Spectroscopy and Model Chemical Compounds.
Major Adviser: Prof. Anna-Mary Carpenter.
1977. Michael Clayton Appel. B.S.'69, Western Michigan University.
Major: Anatomy. Minor: Supporting Program. Thesis: Characterization of Diabetes in the Yellow-KK Mouse.
Major Adviser: Prof. R. L. Sorenson.
1977. Alvin James Beitz. B.S.'71, Gannon College.
Major: Anatomy. Minor: Supporting Program. Thesis: The Afferent and Efferent Connections of the Dentate Nucleus in the Cat.
Major Adviser: Prof. Morris Smithberg.
1977. Ronald Walter Dudek. B.S. cum laude '72, St. John's University, Minnesota.
Major: Anatomy. Minor: Supporting Program. Thesis: A Morphological Study of an Islet Cell Adenoma Experimentally Induced by Streptozotocin and Nicotinamide Injections.
Major Adviser: Prof. P. K. Dixit.
1977. Joseph Idris-Kamara. B.S.'71, Moorhead State College.
Major: Anatomy. Minor: Zoology. Thesis: Hepatic Alterations in the Yellow-KK Mouse During the Development of Obese-Hyperglycemic Hyperinsulinemic Syndrome.
Major Adviser: Prof. G. E. Bauer.
1977. James Alexander McAteer. B.A.'70, M.S.'71, Whittier College.
Major: Anatomy. Minor: Supporting Program. Thesis: The Development of Continuous Flow Method of Organ Culture: Application to Studies on the *in vitro* Development of Fetal Tissues, with Emphasis on the Differentiation of Late Gestation Rat Lung.
Major Advisers: Profs. O. D. Hegre and H. D. Coulter.
1977. Daniel Harvey Wallace. B.S. with high honors '72, St. Cloud State College.
Major: Anatomy. Minor: Supporting Program. Thesis: A Morphometric Analysis of the Fetal Rat Pancreas in Tissue Culture: Effects of Preincubation, Serum, and Cycle 3', 5'-Guanosine Monophosphate on the Development of Purified Epithelioid Cell Monolayers from Explants.
Major Adviser: Prof. O. D. Hegre.
1978. Richard Alan Altschuler. B.S.'72, State University of New York at Stony Brook.
Major: Anatomy. Minor: Physiology. Thesis: The Effects of Increased Experience and Training on Synaptic Density in Area CA3 of the Rat Hippocampus.
Major Adviser: Prof. J. A. Parsons.
1978. Marcos Vial Goycoolea. M.D.'73, University of Chile.
Major: Anatomy. Minor: Otolaryngology. Thesis: Pathogenesis of Otitis Media: An Experimental Study in the Cat.
Major Adviser: Prof. Anna-Mary Carpenter.
1978. Raymond How-Chee Ho. B.S. cum laude '71, St. John's University, Minnesota.
Major: Anatomy. Minor: Physiology. Thesis: A Developmental Study of Somatostatin Containing Cellular Systems in the Rat.
Major Advisers: Profs. R. L. Sorenson and R. P. Elde.

Anatomy

1978. Barbara Ann Schibly. B.A.'72, University of Wisconsin.
Major: Anatomy. Minor: Supporting Program. Thesis: Pancreatic Studies in the Yellow-KK Mouse.
Major Adviser: Prof. R. L. Sorenson.
1979. Ivana Frigo. B.S.'72, College of Mount Saint Vincent.
Major: Anatomy. Minor: Supporting Program. Thesis: Dynamics of Insulin Secretion in Streptozotocin and Nicotinamide Induced Beta Cell Adenomas in Rats.
Major Adviser: Prof. G. E. Bauer.
1979. Mark Allan Ludvigson. B.A.'72, St. Olaf College.
Major: Anatomy. Minor: Biochemistry. Thesis: Immunohistochemical Localization of Aldose Reductase in the Rat.
Major Adviser: Prof. R. L. Sorenson.
1979. Katherine L. Madson. B.S.'73, St. Lawrence University.
Major: Anatomy. Minor: Supporting Program. Thesis: Quantitative Comparison of the Perinatal Development of the Principal Cells in the Pancreatic Islets from the Offspring of Normal and Diabetic Pregnancies in the Rat.
Major Adviser: Prof. O. D. Hegre.
1979. Charles B. Rodning. B.S. cum laude '65, Gustavus Adolphus College; M.D.'70, University of Rochester.
Major: Anatomy. Minor: Surgery. Thesis: A Qualitative Immunohistochemical and Quantitative Morphometric Analysis of the Distribution of Intracellular Lysozyme and Immunoglobulin A in the Ileal Mucosa of Rattus norvegicus.
Major Adviser: Prof. S. L. Erlandsen.
1980. Dennis Eugene Feely. B.S.'71, Pepperdine College.
Major: Anatomy. Minor: Zoology. Thesis: Isolation of Giardia Trophozoites from Rat Small Intestine: Cytoskeletal Components of Attachments.
Major Adviser: Prof. S. L. Erlandsen.
1980. Jeannette Marie Lopez Lewellyn. B.A. summa cum laude '74, Loyola University.
Major: Anatomy. Minor: Supporting Program. Thesis: The Polarized Rat Paneth Cell: Immunocytochemistry, Ultrastructure, and Morphometry of the Mature Cell and its Cytodifferentiation.
Major Adviser: Prof. S. L. Erlandsen.
1980. Debra Ann Van Loon Lindell. B.A. with highest honors '74, Bethel College.
Major: Anatomy. Minor: Supporting Program. Thesis: Glucose Modulation of Insulin, Glucagon, and Somatostatin Release From the Isolated, Perfused Rat Pancreas.
Major Adviser: Prof. R. L. Sorenson.
1980. Paul Eugene Micevych. B.A. cum laude '76, College of St. Thomas.
Major: Anatomy. Minor: Supporting Program. Thesis: Interaction of Endogenous Opioid and Other Neuroactive Peptides in Feline Hypothalamus: An Immunofluorescent Study.
Major Adviser: Prof. R. P. Elde.
1980. Bradley Allan Schulte. B.A. magna cum laude '75, Winona State University.
Major: Anatomy. Minor: Supporting Program. Thesis: Seasonal Changes in Prolactin Physiology in White-Tailed Deer (Odocoileus Virginianus Borealis).
Major Adviser: Prof. J. A. Parsons.

Anatomy

1981. Jane Elizabeth Wittch Michels. B.S. with high distinction '70, University of Minnesota.

Major: Anatomy. Minor: Supporting Program. Thesis: Some Streptozotocin-Nicotinamide Effects upon the Rat Pancreas.

Major Adviser: Prof. P. K. Dixit.

1981. Robert Earl Olson. B.S.'69, College of Great Falls; M.S.'72, University of North Dakota.

Major: Anatomy. Minor: Supporting Program. Thesis: The Effects of Fasting, Feeding and Selected Drugs and Hormones on the in Vivo Release of Lysozyme from Rat Paneth Cells.

Major Adviser: Prof. S. L. Erlandsen.

1981. Janet Rae Serie. B.A. magna cum laude '75, College of St. Benedict.

Major: Anatomy. Minor: Supporting Program. Thesis: Studies on Streptozotocin - Insulinitis in the Mouse.

Major Adviser: Prof. R. L. Sorenson.

1981. Richard Craig Winneker. B.S.'73, Pennsylvania State University; M.S.'76, University of Illinois.

Major: Anatomy. Minor: Supporting Program. Thesis: Studies on the Effects and Mechanism of Action of Estradiol-17 Beta and Medroxyprogesterone Acetate upon the MtTW15 Mammosomatotropic Pituitary Tumor.

Major Adviser: Prof. J. A. Parsons.

1982. Gregg Eugene Hickey. B.A.'68, University of Minnesota.

Major: Anatomy. Minor: Supporting Program. Thesis: Electron Microscopic and Immunohistochemical Investigation of Hemosiderin.

Major Adviser: Prof. Dorothy Sundberg.

1982. Vicky Rae Holets. B.S.'77, Iowa State University.

Major: Anatomy. Minor: Supporting Program. Thesis: The Differential Distribution and Relationship of the Chemically-Coded Input to Sympathetic Preganglionic Neurons in the Intermediolateral Cell Column of the Rat and Kitten.

Major Adviser: Prof. R. P. Elde.

1982. Dana Ernest Johnson. B.A. summa cum laude '70, North Park College.

Major: Anatomy. Minor: Supporting Program. Thesis: The Streptozotocin-Nicotinamide Induced Rat Islet Adenoma: Characterization of In Vitro Proinsulin and Insulin Synthesis in Whole Tumor Tissue and Tumor Derived Cell-Free Systems.

Major Adviser: Prof. G. E. Bauer.

1982. Mark Frederick Seifert. B.A. cum laude '76, Winona State University.

Major: Anatomy. Minor: Supporting Program. Thesis: Macrophage Structure and Function in the Presence of Incompetent Osteoclasts: The Implications for a Common Lineage.

Major Adviser: Prof. P. K. Dixit.

1982. Douglas York Tate. B.A. cum laude '70, St. Olaf College; M.D.'76, University of Minnesota.

Major: Anatomy. Minor: Supporting Program. Thesis: Detection of Platelet Associated IgG in Immune Thrombocytopenia.

Major Adviser: Prof. R. L. Sorenson.

1983. Shannon Lee Matta. B.A. '73, Washington and Jefferson College.

Major: Anatomy. Minor: Supporting Program. Thesis: Aggregation Studies of Adult Rat Islets of Langerhans.

Major Adviser: Prof. G. E. Bauer.

Anatomy

1983. Robin Lee Michaels. B.A. with distinction '77, University of Colorado.

Major: Anatomy. Minor: Supporting Program. Thesis: Dye Coupling and Junctional Communication Between Cells of the Rat Pancreatic Islets of Langerhans.

Major Adviser: Prof. J. D. Sheridan.

1984. Gary Robert Klinefelter. B.S.'76, M.S.'79, The Pennsylvania State University.

Major: Anatomy. Minor: Supporting Program. Thesis: Perifusion Organ Culture of Rat Caput Epididymal Tubules: Study of the Incorporation of Secreted Epididymal Protein by Cultured Sperm.

Major Adviser: Prof. D. W. Hamilton.

1984. Eric Karl Peterson. B.S.'77, M.S.'79, University of Idaho.

Major: Anatomy. Minor: Supporting Program. Thesis: Prolactin and Seasonal Reproduction in Wolves.

Major Adviser: Prof. J. A. Parsons.

1984. Barbara Jean Wilcox. B.S.'75, University of Wisconsin.

Major: Anatomy. Minor: Supporting Program. Thesis: Anatomical Perspectives on Histaminergic Neurons.

Major Advisers: Profs. R. P. Elde and V. S. Seybold.

1985. Elissa Notarianni Rivers. B.S. summa cum laude '76, Regis College.

Major: Anatomy. Minor: Supporting Program. Thesis: Spontaneous Teratocarcinogenesis in Strain 129/Sv-ter Mice: Morphological and Endocrine Studies Before Birth.

Major Adviser: Prof. D. W. Hamilton.

1985. Cathrine Anne Sasek. B.S. cum laude '79, University of San Francisco.

Major: Anatomy. Minor: Supporting Program. Thesis: Immunohistochemical Studies of the Sixth Lumbar and First Sacral Spinal Cord Segments in the Rat.

Major Adviser: Prof. R. P. Elde.

1985. Frank Getchell Williams. B.E.S. '75, M.S. '81, University of Minnesota.

Major: Anatomy. Minor: Supporting Program. Thesis: ¹²⁵I-Insulin and ¹²⁵I-Glucagon Metabolism in Rat Liver.

Major Adviser: Prof. G. E. Bauer.

1986. James Arvid Hammarback. B.S. '81, University of Minnesota.

Major: Anatomy. Minor: Supporting Program. Thesis: Guidance Effects of Laminin and Fibronectin Pathways on Neurite Outgrowth.

Major Adviser: Prof. P. C. Letourneau.

Biochemistry

1976. Vernon Fredric Kalb, Jr. B.A.'67, Dartmouth College.

Major: Biochemistry. Minor: Microbiology. Thesis: The Pyruvate Dehydrogenase Complex of Bacillus licheniformis.

Major Adviser: Prof. R. W. Bernlohr.

1976. Philip John McCall. B.S. with honor '71, Eastern Illinois University.

Major: Biochemistry. Minor: Chemistry. Thesis: Thermodynamics and Kinetics of Proflavin Binding to Bacteriophage T2L and T4D.

Major Adviser: Prof. V. A. Bloomfield.

1976. Sham Lal Pahuja. B.S. with honors '65, M.S.'67, Panjab University.

Major: Biochemistry. Minor: Supporting Program. Thesis: Evidence for the Association of Protein with Hyaluronic Acid in Vitreous Body.

Major Adviser: Prof. R. D. Edstrom.

Biochemistry

1976. Arnold Wayne Sodergren. B.A.'64, M.S.'66, University of Maine.
Major: Biochemistry. Minor: Microbiology. Thesis: Investigations of the Bacterial Metabolism of Quinone Precursors and Their Analogues.
Major Adviser: Prof. P. J. Chapman.

1976. John Benson Welch. B.A.'66, University of Minnesota, Duluth.
Major: Biochemistry. Minor: Chemistry. Thesis: The Thermodynamics and Kinetics of the Slow-Fast Transition in Bacteriophage T2L.
Major Adviser: Prof. V. A. Bloomfield.

1977. Marilyn A. Apfel. B.S.'65, Wayne State University; M.S.'68, University of Wisconsin.
Major: Biochemistry. Minor: Organic Chemistry. Thesis: The Chemical Synthesis of a New Sterol (Cholesta-8[14], 24-dien-3 beta-ol) An Improved Synthesis of Desmosterol (Cholesta-5, 24-dien-3 beta-ol) Introducing A New Method for Preparing delta²⁴ Sterols.
Major Adviser: Prof. I. D. Frantz, Jr.

1977. Ralph Joseph Butkowski. B.A. with honor '70, St. Cloud State University; M.S.'74, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Amino Acid Sequence Analysis: The Primary Structure of Human Prothrombin Fragment 2 and Prethrombin 2.
Major Adviser: Prof. K. G. Mann.

1977. Thomas John Mozer. B.A. honors '73, University of Montana.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Role of Deoxynucleoside 5'-Monophosphatase During Infection of Escherichia coli by Bacteriophage T5.
Major Adviser: Prof. H. R. Warner.

1977. Mari Palta. Fil.Mag.'70, University of Lund; M.S.'72, University of Minnesota.
Major: Biochemistry. Minor: Mathematics. Thesis: Sample Size Determination for Clinical Trials.
Major Adviser: Prof. R. B. McHugh.

1977. Peter Scott Pesheck. B.A.'68, University of Minnesota, Duluth.
Major: Biochemistry. Minor: Chemistry. Thesis: The Thermodynamics of Monovalent Cation Binding to Pyruvate Kinase and the Effect of Potassium and Magnesium Ions on the Subunit Association Equilibrium.
Major Adviser: Prof. R. E. Lovrien.

1977. Franklyn Grenfel Prendergast. M.B.B.S. with distinction '68, University of the West Indies; B.A.'71, Oxford University.
Major: Biochemistry. Minor: Chemistry. Thesis: Physical and Chemical Properties of a Photoprotein System From Aequorea Forskalea.
Major Adviser: Prof. K. G. Mann.

1977. Joanna Christine van der Ziel. B.S.'70, Tufts University.
Major: Biochemistry. Minor: Chemistry. Thesis: A New Membrane-Bound Lipo-Glycopeptide in Penicillium Charlesii.
Major Adviser: Prof. J. E. Gander.

1977. Terence Calvin Wagenknecht. B.Chem. with high distinction '72, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Assembly of the Bacteriophage T4 Tail Core.
Major Adviser: Prof. V. A. Bloomfield.

1977. Rapepun Wititsuwannakul. B.S.'72, M.S.'75, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: Studies on the Enzymic Reactions of Purified Ciliar Contractile Proteins.
Major Adviser: Prof. M. E. Dempsey.

Biochemistry

1978. Eric Douglas Eccleston, Jr. B.A. summa cum laude '70, College of St. Thomas.
Major: Biochemistry. Minor: Chemistry. Thesis: Regulation of Morphogenesis in Rhodospseudomonas Sphaeroides: Role of Nucleotides.
Major Adviser: Prof. E. D. Gray.
1978. David Ray Filpula. B.S. summa cum laude '74, University of Minnesota.
Major: Biochemistry. Minor: Genetics. Thesis: Regulation of the Synthesis of Ribonucleoside Diphosphate Reductase in Escherichia coli.
Major Advisers: Profs. H. R. Warner and J. A. Fuchs.
1978. James Raymond Hildebrandt. B.S. with honor '72, Michigan State University.
Major: Biochemistry. Minor: Chemistry. Thesis: The Relationship Between Self-Association and Function of E. Coli Ribosomal Proteins L7 and L12.
Major Adviser: Prof. C. K. Woodward.
1978. Mark Thore Johnson. A.B.'71, Augustana College, Illinois.
Major: Biochemistry. Minor: Chemistry. Thesis: Relationship of Adenosine Diphosphoribose: NAD⁺ Oxidoreductase to Uridine Diphosphogalactose: NAD⁺ 2-Hexosyl Oxidoreductase.
Major Adviser: Prof. J. E. Gander.
1978. Nancy Anne Federspiel Kohlmiller. B.S. summa cum laude '73, University of Dayton.
Major: Biochemistry. Minor: Chemistry. Thesis: The Primary Structure of the Alpha Subunit of Protocatechuate 3,4-Dioxygenase.
Major Adviser: Prof. J. B. Howard.
1978. Frederick Scott Larimore. B.A. cum laude '73, St. Olaf College.
Major: Biochemistry. Minor: Chemistry. Thesis: A Possible Site-Specific Reagent for the General Amino Acid Transport System of Saccharomyces Cerevisiae.
Major Adviser: Prof. R. J. Roon.
1978. Kurt Harold Myrmel. B.S.'72, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Studies on the Prothrombinase Complex: Isolation of Factor V and Interactions Between Thrombin, Prothrombin Fragment 2 and Factor V.
Major Adviser: Prof. K. G. Mann.
1978. Michael Ernest Nesheim. B.A.'67, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: A Model and Methods for Determining the Velocity of Intracellular Reactions, with Application to the Processes of Glycolysis and Gluconeogenesis in Isolated, Perfused Rat Liver.
Major Adviser: Prof. C. M. Veneziale.
1979. Paul Curtis Anderson. B.S.'74, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: I. Analysis of the Response of Corn Coleoptile Tissue to Indoleacetic Acid by Means of Flow Calorimetry. II. The Enzymatic Preparation of Protoplasts from Corn Coleoptile Tissue.
Major Adviser: Prof. R. E. Lovrien.
1979. Beverly Ann Lamb Brown. B.S. magna cum laude '73, Incarnate Word College; M.A.'75, University of Texas.
Major: Biochemistry. Minor: Genetics. Thesis: I. Ultraviolet Light Crosslinking of Nucleic Acid-Protein Complexes Involved in Protein Synthesis. II. Primary Structure at the Site in Beef and Wheat Elongation Factor 2 of ADP-Ribosylation by Diphtheria Toxin.
Major Adviser: Prof. J. W. Bodley.

Biochemistry

1979. Brian Philip Citak. B.S.'73, Southern Illinois University.
Major: Biochemistry. Minor: Genetics. Thesis: Isolation and Characterization of Cellular Nucleases from Streptococcus Pyogenes.
Major Adviser: Prof. E. D. Gray.
1979. James David Hulse. B.S. magna cum laude '74, Utah State University.
Major: Biochemistry. Minor: Chemistry. Thesis: Carnitine Biosynthesis: The Conversion of 6-N-Trimethyl-L-Lysine to L-Carnitine and the Enzymes Involved.
Major Adviser: Prof. L. M. Henderson.
1979. Abdul Latif Kazim. A.B.'71, Boston University.
Major: Biochemistry. Minor: Supporting Program. Thesis: Studies on the Antigenic Structures of Myoglobin, Serum Albumin and Hemoglobin.
Major Adviser: Prof. M. Z. Atassi.
1979. Daniel Jerome Lundell. B.A. summa cum laude '74, Augsburg College.
Major: Biochemistry. Minor: Chemistry. Thesis: Subunit Structure and Sequence of the CysteinyI Peptides of the Molybdenum-Iron Protein of the Azotobacter Vinelandii Nitrogenase Complex.
Major Adviser: Prof. J. B. Howard.
1979. Raymond Richard Martodam. B.A. magna cum laude '71, College of St. Scholastica.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Interaction of Alpha-1-Antitrypsin and Synthetic Inhibitors with Mammalian Proteases as Related to the Pathogenesis of Emphysema.
Major Adviser: Prof. I. E. Liener.
1979. Carol Annette Heaton Pletcher. B.S. cum laude '66, Juniata College; M.S.'68, University of Michigan.
Major: Biochemistry. Minor: Supporting Program. Thesis: Synthesis, Secretion, and Stability of Exo- -D-Galactofuranosidase.
Major Adviser: Prof. J. E. Gander.
1979. Anthony Joseph Razel. B.S.'70, Rensselaer Polytechnic Institute.
Major: Biochemistry. Minor: Supporting Program. Thesis: Modification of RNA in Differing Morphogenetic States of Rhodopseudomonas Sphaeroides.
Major Adviser: Prof. E. D. Gray.
1979. Richard Paul Swenson. B.A. magna cum laude '71, Gustavus Adolphus College.
Major: Biochemistry. Minor: Chemistry. Thesis: Isolation, Subunit Characterization, and Determination of a Unique, Covalently Modified, Alkylamine Sensitive Site of Alpha-2 Macroglobulin, a Plasma Protease Inhibitor.
Major Adviser: Prof. J. B. Howard.
1979. Kam Ming Wong. B.S. summa cum laude '73, University of Minnesota.
Major: Biochemistry. Minor: Pharmacology. Thesis: The Effect of Fluoride, Hormones and Drugs on Bone Resorption.
Major Adviser: Prof. Leon Singer.
1980. Jeffrey John Anderson. B.S. with high honors '75, Illinois State University.
Major: Biochemistry. Minor: Chemistry. Thesis: The Catabolism of Aromatic Acids in Trichosporon Cutaneum.
Major Adviser: Prof. Stanley Dagley.
1980. David Leroy Anton. A.B.'75, University of California.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Synthesis, Nuclear Magnetic and Electron Paramagnetic Resonance Spectroscopy of Modified Cobalamins.
Major Adviser: Prof. H. P. C. Hogenkamp.

Biochemistry

1980. Mark Ignatius Donnelly. B.A.'70, B.S.'73, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: Production of Methanol from the Bacterial Metabolism of Aromatic Acids and Succinic Semialdehyde Dehydrogenases of Escherichia Coli.
Major Adviser: Prof. Stanley Dagley.
1980. Scott Richard Hagedorn. B.S.'75, University of Wisconsin.
Major: Biochemistry. Minor: Chemistry. Thesis: The Metabolism of Gentisate, Homogentisate and Related Analogues by Bacteria.
Major Adviser: Prof. P. J. Chapman.
1980. Mary Yungman Hurwitz. A.B.'73, Cornell University.
Major: Biochemistry. Minor: Supporting Program. Thesis: Cyclic Nucleotide Phosphodiesterases in Human Lymphocytes.
Major Adviser: Prof. R. D. Edstrom.
1980. Mark Louis Johnson. B.S.'76, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: Regulation of the Intracellular Concentration and Specific Activity of Pyruvate Kinase.
Major Adviser: Prof. C. M. Veneziale.
1980. Victoria Pawlik Knutson. B.Chem. with distinction '75, M.S.'78, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Steroid Substrate Stereospecificity of Purified Rat Liver Alcohol Dehydrogenase.
Major Adviser: Prof. Frank Ungar.
1980. Sheila Frances Goodstein Magil. B.A.'71, Carnegie-Mellon University.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Effect of Fluoride on the Lipids in Mouse Serum, Red Blood Cells, Bone and Bone Cell Cultures.
Major Adviser: Prof. Leon Singer.
1980. Ardin Herman MarSchell. B.Phys. with distinction '69, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Studies on the Nature of the Active Sites in Escherichia coli Elongation Factors Tu and Ts.
Major Adviser: Prof. J. W. Bodley.
1980. Denise Marie Bradford McGuire. B.A.'75, College of St. Catherine.
Major: Biochemistry. Minor: Nutrition. Thesis: The Effect of Growth Hormone and Thyroxine on Arginine-Glycine Amidinotransferase in Kidneys of Hypophysectomized Rats.
Major Adviser: Prof. J. F. Van Pilsum.
1980. Haile Mehansho. B.S. with distinction '69, Haile Sellassie University; M.S.'72, University of Arizona.
Major: Biochemistry. Minor: Chemistry. Thesis: Transport and Metabolism of Vitamin B₆ in the Small Intestine, Liver and Erythrocytes of the Rat.
Major Adviser: Prof. L. M. Henderson.
1980. Elsa Jean Murray. B.A.'74, University of Nevada.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Effects of Zinc Deficiency on Bone Metabolism in the Rat.
Major Adviser: Prof. Leon Singer.
1980. Geneva Marie Omann. B.S. summa cum laude '75, College of St. Benedict.
Major: Biochemistry. Minor: Supporting Program. Thesis: Fluorescence Spectroscopic Investigations of Chlorinated Hydrocarbon-Membrane Interactions.
Major Adviser: Prof. J. R. Lakowicz.

Biochemistry

1980. Pei-Kuo Tsai. B.S.'70, Tunghai University; M.S.'75, North Texas State University.
Major: Biochemistry. Minor: Chemistry. Thesis: The Purification and Characterization of Adenosylcobalamin-dependent Ribonucleotide Reductase from Corynebacterium nephridii.
Major Adviser: Prof. H. P. C. Hogenkamp.
1980. Brian George Van Ness. B.S.'73, Indiana University of Pennsylvania.
Major: Biochemistry. Minor: Microbiology. Thesis: The Site of Diphtheria Toxin Catalyzed ADP-Ribosylation in Yeast Elongation Factor 2.
Major Adviser: Prof. J. W. Bodley.
1981. Elizabeth Anne Bourque. A.B.'62, Anna Maria College; M.S.'70, Catholic University of America.
Major: Biochemistry. Minor: Supporting Program. Thesis: Enzymatic Regulation of Cyclic GMP in Rat Cerebellar Synaptosomes.
Major Adviser: Prof. Frank Ungar.
1981. Daniel Eugene Cox. B.S.'73, Illinois State University.
Major: Biochemistry. Minor: Supporting Program. Thesis: Calmodulin Interactions with Phosphorylase Kinase.
Major Adviser: Prof. R. D. Edstrom.
1981. Ernst Graf. M.S.'75, M.A.'77, Mankato State University.
Major: Biochemistry. Minor: Chemistry. Thesis: Ca^{2+} ATPase from Human Erythrocyte Membranes: Purification, Characterization and Its Interaction with Calmodulin.
Major Adviser: Prof. J. T. Penniston.
1981. Paul Allen Lucas. B.A.'74, Macalester College.
Major: Biochemistry. Minor: Pharmacology. Thesis: The Effect of Vitamin A Deficiency and Fluoride on Glycosaminoglycan Metabolism in Bone.
Major Adviser: Prof. Leon Singer.
1981. Mei Meng. B.S.'74, Fu-Jen Catholic University; M.S.'75, Framingham State College.
Major: Biochemistry. Minor: Supporting Program. Thesis: Purification, Characterization and Amino Acid Sequence of Thioredoxin from Corynebacterium Nephridii.
Major Adviser: Prof. H. P. C. Hogenkamp.
1981. Robert John Mullin. B.S.'75, Denison University; M.S.'78, University of Minnesota.
Major: Biochemistry. Minor: Cell and Developmental Biology. Thesis: Isolation and Characterization of Several Lactoproteins From Equus Caballus and Enhydra Lutriss.
Major Adviser: Prof. Robert Jenness.
1981. Alan David Olstein. A.B.'74, University of California, Berkeley.
Major: Biochemistry. Minor: Pathology. Thesis: Comparative Studies on the Major Collagenolytic Endoproteinases of Normal and Malignant Murine Tissues.
Major Adviser: Prof. I. E. Liener.
1981. Clifford Jay Unkefer. B.S.'75, Michigan State University; M.S.'79, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: The 5-O-Beta-D-Galactofuranosyl-Containing Glycopeptide from Penicillium Charlesii: Carbon 13 Enrichment and Nuclear Magnetic Resonance Studies.
Major Adviser: Prof. J. E. Gander.
1982. Robert Hausinger, Jr. B.S.'77, University of Wisconsin.
Major: Biochemistry. Minor: Genetics. Thesis: Structure Function Studies on the Iron Protein from the Azotobacter Vinlandii Complex.
Major Adviser: Prof. J. B. Howard.

Biochemistry

1982. Bruce Harold Odegard. B.S. cum laude, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: Isolation and Partial Characterization of Four Components of the Multienzyme Cellulase Complex of *Trichoderma Reesei* OM 9414.
Major Adviser: Prof. R. E. Lovrien.

1982. Theodore Taylor Sand. B.S.'75, University of Minnesota.
Major: Biochemistry. Minor: Biophysics. Thesis: Thermodynamic and Kinetic Aspects of the Binding of Concanavalin A to Mammalian Artificial and Cell Surfaces.
Major Adviser: Prof. Andreas Rosenberg.

1982. Edward George Schanus. B.S. with high distinction '76, University of Minnesota.
Major: Biochemistry. Minor: Chemistry. Thesis: The Molecular Basis of Malignant Hyperthermia.
Major Adviser: Prof. R. E. Lovrien.

1983. Richard Allen Anderson. B.S.'78, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: Glycophorin-Band 4.1 Is a Transmembrane Protein Complex Which is Linked to the Human Erythrocyte Membrane Skeleton and Is an Avenue for Lectin Control of Morphology Transformation.
Major Adviser: Prof. R. E. Lovrien.

1983. Terry Lee Brown. B.S. summa cum laude '77, University of Minnesota.
Major: Biochemistry. Minor: Biology. Thesis: Synthesis and Processing of Bovine and Porcine Pancreatic Amylase.
Major Adviser: Prof. Finn Wold.

1983. Richard Paul Burlingame. B.S.'75, University of Illinois.
Major: Biochemistry. Minor: Chemical Engineering. Thesis: The Degradation of 3-Phenylpropionic Acid by *Escherichia coli* K-12.
Major Adviser: Prof. P. J. Chapman.

1983. Mark William Canales. B.S.'73, B.A.'74, Gonzaga University.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Isolation and Structural Characterization of 6 Alpha-Epiophiobolin A and 3-Anhydro-6 Alpha-Epiophiobolin A, Host-Specific Pathotoxins of Texas-Male-Sterile Corn.
Major Adviser: Prof. G. R. Gray.

1983. Dana Alan Donatucci. B.S.'76, Virginia Polytechnic Institute and State University.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Role of Agglutinins (Lectins) in the Nutritional Toxicity of Raw Navy Beans (*Phaseolus Vulgaris*) Specifically with Particular Reference to Their Effect on Intestinal Absorption.
Major Adviser: Prof. I. E. Liener.

1983. Paul David Hanke. B.S.'77, M.S.'79, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: Regulation of Ribonucleoside Diphosphate Reductase mRNA Synthesis in *Escherichia coli*.
Major Adviser: Prof. J. A. Fuchs.

1983. Chen Wang Liaw. B.S. Pharm.'77, M.S.'79, National Taiwan University.
Major: Biochemistry. Minor: Supporting Program. Thesis: Identification and Characterization of a Rat Gene Regulated by Thyroid Hormone and Lipogenic Diet.
Major Adviser: Prof. H. P. C. Hogenkamp.

1983. Lawrence David Mayer. B.S. summa cum laude '78, Wartburg College.
Major: Biochemistry. Minor: Chemistry. Thesis: Interactions Involved in the Prothrombinase System.
Major Adviser: Prof. G.L. Nelsestuen.

Biochemistry

1983. Richard John Miksicek. B.A. with distinction '77, Northwestern University.

Major: Biochemistry. Minor: Physiology. Thesis: Dietary and Hormonal Regulation of the Hexose Shunt Dehydrogenases.

Major Adviser: Prof. H.P.C. Hogenkamp.

1983. Steven Dale Salt. B.S.'75, M.S.'78, Utah State University.

Major: Biochemistry. Minor: Supporting Program. Thesis: Extracellular Glycoprotein Enzymes from Penicillium Charlesii G. Smith: Partial Purification, Chemical Composition and Relationship to Extracellular Glycopeptides.

Major Adviser: Prof. J. E. Gander.

1983. Min-Kyung Hong Song. B.S.'76, Yonsei University; M.S.'80, University of Minnesota.

Major: Biochemistry. Minor: Supporting Program. Thesis: Studies on Post-Translational Modifications of Non-Histone Proteins During the Hela Cell Cycle.

Major Adviser: Prof. H.P.C. Hogenkamp.

1983. Mary Woodall Vermuelen. B.A.'77, College of Wooster; M.S.'82, University of Minnesota.

Major: Biochemistry. Minor: Supporting Program. Thesis: Processing of Bacterial Cell Walls by Mononuclear Phagocytes.

Major Adviser: Prof. G. R. Gray.

1983. James William Whittaker. B.S. summa cum laude '78, Concordia University.

Major: Biochemistry. Minor: Chemistry. Thesis: Structural and Mechanistic Studies of Brevibacterium Fuscum Protocatechuate 3,4 Dioxygenase.

Major Adviser: Prof. J. D. Lipscomb.

1984. Peter Warren Blaisdell. B.S.'78, University of Michigan, Ann Arbor.

Major: Biochemistry. Minor: Cell and Developmental Biology. Thesis: Characterization of a Uracil-DNA Glycosylase from Wheat Germ and Localization of Bacteriophage T5 Pre-Early Genes.

Major Adviser: Prof. H. R. Warner.

1984. John Ellert Carlson. B.S. summa cum laude '78, University of Minnesota.

Major: Biochemistry. Minor: Supporting Program. Thesis: The Use of Bacteriophage M13 in the Analysis of the Ribonucleotide Diphosphate Reductase Operon from Escherichia coli.

Major Advisers: Profs. J. A. Fuchs and Joachim Messing.

1984. Ronald Kent Freund. B.A. magna cum laude '78, Augustana College.

Major: Biochemistry. Minor: Supporting Program. Thesis: Pharmacological Characterization of Excitatory Amino Acid Receptors In the Hippocampus.

Major Adviser: Prof. J. F. Koerner.

1984. Paul Douglas Lampe. B.A.'79, Carleton College.

Major: Biochemistry. Minor: Chemistry. Thesis: The Extrinsic Protein-Membrane Interactions of Myelin Basic Protein and Blood Coagulation Factor V.

Major Adviser: Prof. G.L. Nelstuen.

1984. Ting Corina Liu. B.S.Ag.'80, National Taiwan University.

Major: Biochemistry. Minor: Supporting Program. Thesis: Degradation of Chlorinated Aromatic Compounds by Microorganisms.

Major Adviser: Prof. P. J. Chapman.

1984. Prema Narayan. M.S.'82, University of Minnesota.

Major: Biochemistry. Minor: Supporting Program. Thesis: Transcriptional and Post-Transcriptional Regulation of a Thyroid Hormone Responsive mRNA.

Major Advisers: Profs. H. P. C. Hogenkamp and H. C. Towle.

Biochemistry

1984. Jan Marie Norrander. B.S. '78, University of Minnesota.
Major: Biochemistry. Minor: Genetics. Thesis: Zein Storage Proteins Expressed from Synthetic Genes Altered by Oligonucleotide-Directed *In Vitro* Mutagenesis.
Major Adviser: Prof. Joachim Messing.

1984. Justin Powlowski. B.S. '79, McGill University.
Major: Biochemistry. Minor: Chemistry. Thesis: Enzymology of Anthranilic Acid and Cresol Degradation by Trichosporon cutaneum.
Major Adviser: Prof. Stanley Dagley.

1984. Luann Patrice Rosenthal. License '78, Universite Paris VII.
Major: Biochemistry. Minor: Chemistry. Thesis: I. Borohydride Reduction of Periodate-Oxidized Nucleotides; Isolation and Characterization of the Reduction Intermediate. II. Purification and Characterization of Yeast Mitochondrial EF-Tu.
Major Adviser: Prof. J. W. Bodley.

1984. Susan E. Senogles. B.S. '77, University of Minnesota.
Major: Biochemistry. Minor: Supporting Program. Thesis: The Role of Von Willebrand Factor in Platelet Aggregation.
Major Adviser: Prof. G. L. Nelstuen.

1985. David Michael Arciero. B.S. '79, Utica College of Syracuse University.
Major: Biochemistry. Minor: Chemistry. Thesis: Structural and Mechanistic Studies of Protocatechuate 4,5 Dioxygenase.
Major Advisers: Profs. J. D. Lipscomb and H. P. C. Hogenkamp.

1985. Robert John Bensen. B.A. with high honors '78, St. Cloud State University.
Major: Biochemistry. Minor: Plant Physiology. Thesis: Uracil-DNA Glycosylase Activity in Plants. A Kingdom Survey, The Purification and Characterization of Activity from Neurospora Crassa Hyphae and Zea Maize Nuclei, Chloroplasts and Mitochondria, and a Physiological Model for Activity Levels.
Major Adviser: Prof. H. R. Warner.

1985. Diana Jean Bigelow. B.S. '75, University of Iowa.
Major: Biochemistry. Minor: Chemistry. Thesis: Lipid and Protein Dynamics in Sarcoplasmic Reticulum.
Major Adviser: Prof. D. D. Thomas.

1985. Jeou-Yuan Chen. B.S. '76, National Chung-Hsing University; M.S. Ag. '78, National Taiwan University.
Major: Biochemistry. Minor: Chemistry. Thesis: Biosynthesis of Diphthamide in the Yeast Saccharomyces Cerevisiae.
Major Adviser: Prof. J. W. Bodley.

1985. Kyu-Won Kim. B.S. '76, Seoul National University; M.S. '78, Korea Advanced Institute of Science.
Major: Biochemistry. Minor: Supporting Program. Thesis: Yeast Asparaginase II: Structural Gene Expression.
Major Adviser: Prof. R. J. Roon.

1985. Mary Elizabeth McLaughlin. A.B. '60, Regis College; M.A. '63, Boston University.
Major: Biochemistry. Minor: Supporting Program. Thesis: Applications of An Improved Quantitative In Vitro Assay for Cell Migration/Invasion.
Major Advisers: Profs. N. N. Wang and I. E. Liener.

1985. Michael Byrne Robinson. B.S. '80, Bates College.
Major: Biochemistry. Minor: Supporting Program. Thesis: Characterization of Excitatory Amino Acid Transmitter Systems in the Rat Central Nervous System.
Major Adviser: Prof. J. F. Koerner.

Biochemistry

1985. Leslie Eugene Sommerville. B.S. '80, Fort Lewis College.
Major: Biochemistry. Minor: Chemistry. Thesis: Terbium as a Probe of Calcium Binding Sites on Prothrombin Alone and the Prothrombin-Membrane Complex.

Major Adviser: Prof. G. L. Nelstuen.

1985. Thomas Comey Squier. B.A. '79, Oberlin College.
Major: Biochemistry. Minor: Chemistry. Thesis: ST-EPR Studies on the CA-ATPase in Sarcoplasmic Reticulum: Correlation of Protein Mobility and Enzymatic Activity.

Major Adviser: Prof. D. D. Thomas.

1985. Isaac Shun-Yan Sze. B.S. with honors '80, Chinese University of Hong Kong.

Major: Biochemistry. Minor: Chemistry. Thesis: Novel Oxygenases and Metabolic Pathways of Microbial Aromatic Catabolism.

Major Adviser: Prof. Stanley Dagley.

1985. Mei-Gang Yet. B.S. '75, Fu Jen Catholic University; M.S. '77, National Taiwan University.

Major: Biochemistry. Minor: Supporting Program. Thesis: Oligosaccharide Distribution on Glycoproteins. Part I. Crosslinking Oligosaccharide Units on Glycoproteins. Part II. Purification of an Endoglycosidase from Jack Bean Meal.

Major Adviser: Prof. Finn Wold.

1986. David J. Klein. B.S. magna cum laude '74, Beloit College; M.D. '77, Yeshiva University.

Major: Biochemistry. Minor: Supporting Program. Thesis: Structural Characterization and Metabolism of Isolated Glomerular Heparan- and Dermatan-Sulfate Proteoglycans From Normal Rats, with Comparisons Made to Those From Streptozotocin-Induced Diabetics.

Major Adviser: Prof. T. R. Oegema.

1986. Chang-Jin Lim. B.S. '75, Yonsei University; M.S. '77, Korea Advanced Institute of Science.

Major: Biochemistry. Minor: Supporting Program. Thesis: Cloning and Characterization of the Thioredoxin Genes in Prokaryotic Organisms.

Major Adviser: Prof. J. A. Fuchs.

1986. Ruth Ellen Silversmith. B.A. cum laude '90, Carleton College.

Major: Biochemistry. Minor: Supporting Program. Thesis: The Assembly of the Membrane Attack Complex of Complement on Membranes.

Major Adviser: Prof. G. L. Nelstuen.

1986. Shizhang Sun. Diploma '75, Peking University; Graduate Diploma '80, Graduate School, University of Science and Technology of China.

Major: Biochemistry. Minor: Chemistry. Thesis: The Purification and Characterization of Ribonucleotide Reductase From a Thermophilic Organism, Thermus X-1.

Major Adviser: Prof. H. P. C. Hogenkamp.

Biometry

1980. Jean Porta. B.S. '67, Oklahoma State University; M.S. '68, University of Minnesota.

Major: Biometry. Minor: Statistics. Thesis: Biometric Aspects of Studies of Associations Between Histocompatibility Antigens and Disease.

Major Adviser: Prof. R. B. McHugh.

Biometry and Health Information Systems

1976. David Steven Fryd. B.A. cum laude '72, Queens College.

Major: Biometry and Health Information Systems. Minor: Statistics. Thesis: Analysis of Kidney Transplantation Data.

Major Adviser: Prof. E. A. Johnson.

Biometry and Health Information Systems

1976. John Phillip Matts. B.A. cum laude '72, University of Minnesota, Duluth; M.S.'74, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Statistics.
Thesis: Randomization Theory in the Analysis of Accrual Clinical Trial Designs.

Major Adviser: Prof. R. B. McHugh.

1977. Donald Patrick Connelly. B.S. with honor '64, M.S.E.E.'65, North Dakota State University; M.D.'71, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Laboratory Medicine. Thesis: The Evaluation of Strategies for Improving Medical Service While Limiting Costs in a Clinical Hematology Laboratory Using Discrete Event Simulation.

Major Adviser: Prof. L. C. Gatewood.

1977. Ira Mann Longini, Jr. B.S.I.E.'71, M.S.'73, University of Florida.

Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: Optimal Control of Influenza A Epidemics.

Major Adviser: Prof. Eugene Ackerman.

1978. George Fisher Reed. B.S.'67, Morgan State College; M.A.'72, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Statistics.
Thesis: Measurement of Dental Caries Incidence in the Presence of Diagnostic Error.

Major Adviser: Prof. R. B. McHugh.

1980. Keith Dean Burau. B.A.'73, Southwest Minnesota State College; M.S.'75, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: Geometric Features of the Vectorcardiogram and Diagnostic Classification.

Major Adviser: Prof. E. A. Johnson.

1980. Jai Won Choi. B.A.'59, Yonsei University; B.S. magna cum laude '66, California Baptist College; M.A.'70, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Statistics.
Thesis: Analysis of Categorical Data in Weighted Cluster Sample Survey.

Major Adviser: Prof. R. B. McHugh.

1980. Richard Guy Holcomb. B.S. with high honor '71, Michigan Technological University; M.S.'75, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Statistics.
Thesis: The Sequential Analysis of Multiple Responses in Clinical Trials.

Major Adviser: Prof. E. A. Johnson.

1980. Maria Marton Koretz. A.B.'68, Syracuse University; M.S. Ed. '71, State University College, Geneseo, New York; M.A.'75, University of Rochester.

Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: The Effects of Censoring on Parameter Estimation in Survival Analysis.

Major Advisers: Profs. A. I. Goldman and E. A. Johnson.

1980. Curtis Alan Parvin. B.S. with high honor '74, Michigan State University; M.S.'76, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: Evaluation of Analysis Techniques in Evoked Response Research.

Major Adviser: Prof. E. A. Johnson.

1980. Christopher Guyon Willard. B.A.'74, University of Rhode Island; M.S.'76, University of Minnesota.

Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: A Systems Framework for Management of Clinical Research Data.

Major Adviser: Prof. L. C. Gatewood.

Biometry and Health Information Systems

1981. Jeffrey Robert Budd. B.S.'73, University of Minnesota; B.C.S. with distinction '75, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: A Pulmonary Function Test for Preschool Cystic Fibrosis Patients.
Major Advisers: Profs. L. C. Gatewood and S. M. Finkelstein.
1981. Orlando William Gomez-Marin. Licenciado '64, University of Antioquia; M.S.'74, M.S.'78, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: Randomization and Gaussian Linear Models for the Two-Period Cross-Over Design.
Major Adviser: Prof. R. B. McHugh.
1984. Timothy Robert Church. B.A.'74, Augustana College; M.S.'79, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Statistics. Thesis: Biometric Design and Analysis in Trials of Mass Screening for Chronic Disease.
Major Adviser: Prof. R. B. McHugh.
1984. John Patrick Glaser. B.A. magna cum laude '76, Duke University; M.S.'82, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: An Investigation of the Relationship Between the Introduction of Computer Systems and Coordination in Health Care Organizations.
Major Adviser: Prof. L. C. Gatewood.
1984. Ronald Edward McRoberts. B.A. with high distinction '69, M.S.'78, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: Near Non-Identifiability in Non-Linear Parameter Estimation.
Major Adviser: Prof. E. A. Johnson.
1984. James Dennis Neaton. B.A. cum laude '69, M.S.'70, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: The Use of the Logistic Model in the Design of Intervention Studies.
Major Adviser: Prof. G. E. Bartsch.
1985. Stewart Allen Haight. B.S. with honors '74, University of Illinois at Chicago Circle; M.S. '79, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Supporting Program. Thesis: The Identification and Support of Medical Decision Making Weakness.
Major Advisers: Profs. L. C. Gatewood and D. P. Connelly.
1985. Judith Ann Smith. B.A. '76, M.S. '79, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Statistics. Thesis: Sample Size Requirements for Studies of the Etiologic Fraction.
Major Adviser: Prof. R. B. McHugh.
1986. Francis Gerard Ogrinc. B.S. cum laude '77, John Carroll University; M.A.S. '79, Ohio State University.
Major: Biometry and Health Information Systems. Minor: Statistics. Thesis: The General Linear Model with Logistic Errors.
Major Adviser: Prof. E. A. Johnson.
1986. Thomas Howard Oliphant. B.S. magna cum laude '76, Kent State University; M.S. '79, University of Minnesota.
Major: Biometry and Health Information Systems. Minor: Statistics. Thesis: Sequential Analysis of Clinical Trials Using the Cox Proportional Hazards Regression Approach for Covariate Adjustment.
Major Adviser: Prof. E. A. Johnson.

Dermatology*

1980. Marc E. Goldyne. A.B. with distinction '66, University of California, Berkeley; M.D.'70, University of California, San Francisco. Major: Dermatology. Minor: Pathology. Thesis: Radioimmunoassays for Prostaglandin E_2 and F: Applications to the Study of Prostaglandin Synthesis in Human Skin. Major Adviser: Prof. R. K. Winkelmann.

Environmental Health

**1975. Raymond Walter Thron. B.C.E. '66, M.S. '71, University of Minnesota. Major: Environmental Health. Minor: Supporting Program. Thesis: Vehicular Air Pollution as Affected by Residential Settlement and Travel Behavior Patterns in the Twin Cities Metropolitan Area. Major Adviser: Prof. H.J. Paulus.

1977. Roger W. Mustalish. B.A.'72, University of Pennsylvania; M.S.'73, Michigan State University. Major: Environmental Health. Minor: Supporting Program. Thesis: Cadmium and Soluble Zinc in the Drinking Water Supplies of Minneapolis and St. Paul, Minnesota. Major Adviser: Prof. C. P. Straub.

1978. Theophanis Constantine Hortis. B.A.'60, Macalester College; M.P.H.'71, University of Minnesota. Major: Environmental Health. Minor: Supporting Program. Thesis: Postoperative Wound Infection: A Retrospective, Multivariate Analysis of 19 Determinants. Major Adviser: Prof. V. W. Greene.

1978. Theron Edwin Odlaug. B.S.'71, M.S.'73, University of Missouri. Major: Environmental Health. Minor: Food Science and Nutrition. Thesis: A Study of Clostridium Botulinum in Acid Environments: Heat Resistance, Survival, Limiting pH for Growth and Growth with Aspergillus. Major Adviser: Prof. I. J. Pflug.

1978. Robert Walter Powitz. B.S.'64, University of Georgia; M.P.H.'74, University of Minnesota. Major: Environmental Health. Minor: Supporting Program. Thesis: Some Administrative and Microbiological Considerations in the Maintenance of the Sterile Integrity of Prepackaged, Disposable Items for Use in Health Care Facilities. Major Adviser: Prof. Donald Vesley.

1978. Guillermo Rodriguez. B.S.San.Eng.'71, Universidad del Valle; M.S.'76, University of Minnesota. Major: Environmental Health. Minor: Civil Engineering. Thesis: Environmental Health Relationships Between Some Selected Physico-Chemical Parameters in Drinking Water and Cancer Morbidity in the Metropolitan Area of Minneapolis-St. Paul. Major Adviser: Prof. C. P. Straub.

1978. John Dennis Sexton. B.S. with high honor '61, South Dakota State College of Agriculture and Mechanic Arts; M.S.'69, University of Minnesota. Major: Environmental Health. Minor: Entomology. Thesis: The Study of Abate on Selected Non-Target Aquatic Organisms Under Laboratory and Field Conditions. Major Adviser: Prof. R. G. Bond.

1979. Lawrence Stilwell Betts. A.B.'69, Sonoma State College; M.S.'72, North Dakota State University. Major: Environmental Health. Minor: Supporting Program. Thesis: Risk Assessment for Occupational Exposure in a Recombinant DNA Laboratory. Major Adviser: Prof. Donald Vesley.

* Ph.D in Dermatology

** Inadvertent omission from previous Register.

Environmental Health

1979. Pentti Juhani Kalliokoski. Diplomi Ins.'70, Lic.'76, Helsinki University of Technology.

Major: Environmental Health. Minor: Supporting Program. Thesis: Toluene Exposure in Finnish Publication Rotogravure Plants.

Major Adviser: Prof. H. J. Paulus.

1979. Robert Alton Reid. B.S.M.E.'67, University of North Carolina, Raleigh; M.S.'72, University of Minnesota.

Major: Environmental Health. Minor: Biometry and Health Information Systems. Thesis: The Feasibility of a Regional, Centralized Hospital and Other Health Care Solid Waste Management System, with a High Temperature Slagging Pyrolysis System.

Major Adviser: Prof. G. S. Michaelsen.

1980. Susan Elizabeth Goodwin Gerberich. B.S.N. with high distinction '75, M.S.'78, University of Minnesota.

Major: Environmental Health. Minor: Supporting Program. Thesis: Analyses of High School Football Injuries and Concomitant Health Care Provision.

Major Adviser: Prof. C. P. Straub.

1980. Cynthia Ilana Howarth. B.S.'71, M.S.'74, University of Washington.

Major: Environmental Health. Minor: Supporting Program. Thesis: Factors Which Discriminate Between Technically Acceptable and Technically Unacceptable Research Proposals.

Major Advisers: Profs. C. E. McJilton and C. P. Straub.

1980. Michael Thomas Osterholm. B.A.'75, Luther College; M.S.'78, University of Minnesota.

Major: Environmental Health. Minor: Epidemiology. Thesis: Ground Water in Southeastern Minnesota.

Major Adviser: Prof. C. P. Straub.

1980. Ingrid Maria Ritchie. B.S. summa cum laude '71, Southwestern State College; M.S.'73, University of Minnesota.

Major: Environmental Health. Minor: Supporting Program. Thesis: A Regional Approach to Analyzing the Atmospheric Impacts of Copper-Nickel Smelting in Northeastern Minnesota.

Major Adviser: Prof. H. J. Paulus.

1981. Winthrop Ford Watts, Jr. B.A.'72, Salem State College; M.S.'74, University of Massachusetts.

Major: Environmental Health. Minor: Supporting Program. Thesis: Antibiotic Resistant Fecal Coliform Bacteria in Water and Wastewater.

Major Adviser: Prof. C. P. Straub.

1982. Felix Joseph Darcy. B.S.'59, College of Great Falls; M.Ed.Sc.'64, University of New Mexico; M.S.'70, University of Cincinnati.

Major: Environmental Health. Minor: Supporting Program. Thesis: Physical Characteristics of Wood Dust.

Major Advisers: Profs. C. E. McJilton and D. E. Barber.

1982. Martin Reape, III. B.S.'70, Philadelphia College of Textiles & Science; M.P.H.'73, M.S.'79, University of Minnesota.

Major: Environmental Health. Minor: Supporting Program. Thesis: Neurologic Health Impact on Workers with Chronic Low Dose Exposure to Aryl Phosphates.

Major Adviser: Prof. H. J. Paulus.

1985. Howard Martin Deer. B.S. '71, University of Wisconsin; M.P.H. '75, University of Minnesota.

Major: Environmental Health. Minor: Supporting Program. Thesis: Inhalation Exposure of Grain Samplers and Grain Inspectors to Carbon Tetrachloride.

Major Advisers: Profs. D. E. Barber and C. E. McJilton.

Environmental Health

1985. Robert Arthur Kreiger. B.S. '74, State University of New York, Brockport; M.S. '76, University of Michigan.
Major: Environmental Health. Minor: Supporting Program. Thesis: Formaldehyde Exposure Effects on Human Diploid Cell Strains.
Major Advisers: Profs. D. E. Barber and J. B. Stevens.
1986. John Robert Mulhausen. B.A. cum laude '78, St. Olaf College; M.S. '80, University of Minnesota.
Major: Environmental Health. Minor: Supporting Program. Thesis: Aspergillus and Other Human Respiratory Disease Agents in Turkey Confinement Houses.
Major Advisers: Profs. D. E. Barber and C. E. McJilton.
1986. John William Sheehy. B.S.C.E. '71, M.S. '73, Marquette University.
Major: Environmental Health. Minor: Supporting Program. Thesis: Reconstruction of Occupational Exposures to Silica Containing Dusts in the Taconite Industry.
Major Advisers: Profs. D. E. Barber and C. E. McJilton.
1986. Sara Jane Zoss. B.A. '74, University of Kansas, Lawrence; M.S. '78, University of Minnesota.
Major: Environmental Health. Minor: Supporting Program. Thesis: The Effects of Trace Metals on the Operation of Rotating Biological Contactors.
Major Adviser: Prof. C. P. Straub.

Epidemiology

1976. Ralph Verne Katz. B.S. '65, Trinity College; D.M.D. '69, Tufts University; M.P.H. '71, University of Minnesota.
Major: Epidemiology. Minor: Dentistry. Thesis: An Epidemiologic Study of the Relationship Between Various States of Occlusion Associated Psychosocial Factors and the Biopathological Conditions of Dental Caries and Peridontal Disease.
Major Adviser: Prof. L. M. Schuman.
1978. Kenneth LeRoy Zakariasen, Jr. B.A. '69, D.D.S. '70, M.S.D. '75, University of Minnesota.
Major: Epidemiology. Minor: Dentistry. Thesis: The Relationship of Malocclusion to Premature Tooth Loss, Dental Decay and Periodontal Disease.
Major Adviser: Prof. L. M. Schuman.
1980. Ney Guzman-Gomez. M.D. '66, M.P.H. '69, Universidad del Valle; M.S. '72, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Uterine Cervix. Sexual Factors and Histopathological Structure of the Squamous Cell Cancer. An Epidemiological Study.
Major Adviser: Prof. L. M. Schuman.
1981. Jack Mandel. B.S. '66, University of Manitoba; M.P.H. '73, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiologic Study of Etiologic Factors in Prostatic Cancer.
Major Adviser: Prof. L. M. Schuman.
1981. David Alan Snowdon. B.S. '70, California Polytechnic State University; M.S. '76, California State University, Northridge; M.P.H. '77, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Alcohol Use and Mortality from Cancer and Heart Disease Among Members of the Lutheran Brotherhood Cohort.
Major Adviser: Prof. L. M. Schuman.
1981. Julia L. Wannamaker. B.S. '72, Duke University; M.P.H. '76, Northwestern University.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiologic Study of Early Dietary Factors and Diabetes Mellitus.
Major Adviser: Prof. L. M. Schuman.

Epidemiology

1982. Joseph McLaughlin. B.A.'71, West Chester State College; M.S.'74, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiology of Renal Cell and Renal Pelvis Cancers in the Minneapolis-St. Paul Metropolitan Area, 1974-1979.
Major Adviser: Prof. L. M. Schuman.
1982. Leslie L. Robison. B.S.'76, University of California, Los Angeles; M.P.H.'79, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Follow-Up Study of Long-Term Survivors of Childhood Acute Lymphoblastic Leukemia.
Major Adviser: Prof. L. M. Schuman.
1983. Lewis Ronald French. B.A.'59, Hamilton College; M.A.'66, M.P.H.'80, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiologic Study of Alzheimer's Disease.
Major Adviser: Prof. L. M. Schuman.
1983. Janet M. Kranz. D.V.M. with honor '72, Michigan State University; M.P.H.'75, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: A Multiple Sclerosis Case-Control Study in Olmsted and Mower Counties, Minnesota.
Major Adviser: Prof. L. M. Schuman.
1984. Jose Torres Suarez. M.D.'73, Universidad Central del Ecuador; M.P.H.'78, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: Health Needs Assessment in Specific Population Groups in the Cayambe Region, Pichincha Province, Ecuador: An Epidemiologic Study of the Impact of Agricultural Development on Health Status.
Major Adviser: Prof. L. M. Schuman.
1985. Geary Wayne Olsen. B.S. '74, D.V.M. '76, University of Illinois.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiologic Study of Dietary Factors in the Etiology of Pancreatic Cancer.
Major Adviser: Prof. J. S. Mandel.
1986. Anne Estelle Daigle. B.S.Pharm. '80, University of Connecticut.
Major: Epidemiology. Minor: Supporting Program. Thesis: Epidemiologic Study of Etiologic Factors in Ewing's Sarcoma.
Major Advisers: Profs. J. S. Mandel and L. M. Schuman.
1986. Joseph Michael Sprafka. B.A. '75, M.S. '80, University of Minnesota.
Major: Epidemiology. Minor: Supporting Program. Thesis: A Population-Based Study of Diabetes Mellitus in Minnesota: The Three-City Study.
Major Advisers: Profs. L. M. Schuman and J. S. Mandel.

History of Medicine and Biological Sciences

1979. Dale Cary Smith. B.A.'73, Duke University.
Major: History of Medicine and Biological Sciences. Minor: History.
Thesis: The Emergence of Organized Clinical Instruction in the Nineteenth Century American Cities of Boston, New York and Philadelphia.
Major Adviser: Prof. L. G. Wilson.
1984. Luis Horacio Toledo-Pereyra. M.D.'67, La Universidad Nacional Autonoma de Mexico; Ph.D.'76, University of Minnesota.
Major: History of Medicine and Biological Sciences. Minor: Supporting Program. Thesis: A Study of the Historical Origins of Cardioplegia.
Major Adviser: Prof. L. G. Wilson.

Hospital and Health Care Administration

1978. Robert William Blum. A.B.'69, Lafayette College; M.D.'73, Howard University.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Structural and Attitudinal Correlates of Critical Care Decision Making in Minnesota Hospitals: An Exploratory Study.
Major Adviser: Prof. T. J. Litman.

1978. Denis Henry Caro. B.A.'72, McGill University; M.H.A.'74, University of Montreal.

Major: Hospital and Health Care Administration. Minor: Business Administration. Thesis: A Strategic Planning Approach to Integrated Databases for Emergency Medical Services: The Case of Burn Care.
Major Adviser: Prof. V. E. Weckwerth.

1980. Kathryn June Steele Dean. B.A.'72, M.S.W.'75, University of Minnesota.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Analysis of the Relationships Between Social and Demographic Factors and Self-Care Patterns in the Danish Population.
Major Adviser: Prof. T. J. Litman.

1980. Sandra Marie Runck Edwardson. B.S.N. magna cum laude '63, St. Olaf College; M.N.'64, University of Washington.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Decision Making in Relation to the Type and Location of Care for Children with Terminal Illness.
Major Adviser: Prof. V. E. Weckwerth.

1980. Michael Jeffrey Faulkner. B.S.'69, San Fernando Valley State College; M.P.H.'71, University of California.

Major: Hospital and Health Care Administration. Minor: Sociology. Thesis: The Relationships of Patient to Physician to Hospital Flows on Hospital Service Areas for Health Planning.
Major Adviser: Prof. T. J. Litman.

1980. Maurine Henderson Venters. B.A.'57, Coe College; M.P.H.'76, University of Minnesota.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Chronic Childhood Illness/Disability and Familial Coping: The Case of Cystic Fibrosis.
Major Adviser: Prof. T. J. Litman.

1981. Michael David Resnick. B.A. with high distinction '75; M.A.'76, Wayne State University.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Attitudinal, Structural and Demographic Correlates of Adolescent Medical Practice in the Upper Midwest: A Regional Physician Survey.
Major Adviser: Prof. T. J. Litman.

1982. William Elliott Gold. B.A.'70, State University of New York at Stony Brook; M.S.S.'72, Hebrew University of Jerusalem.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Predicting HMO Disenrollment Behavior: A Study of Demographic and Behavioral Characteristics of HMO Members.
Major Adviser: Prof. V. E. Weckwerth.

1982. William Joseph Riley. B.S.'73, Wisconsin State University, River Falls; M.A.'76, Western Michigan University.

Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: The 1965 American Nurses Association Resolution for Basic Education Preparation: A Study in Diffusion of Innovation.
Major Adviser: Prof. T. J. Litman.

Hospital and Health Care Administration

1983. Okwuoma Chi Abanobi. B.A. cum laude '77, St. Olaf College; M.P.H. '79, University of Minnesota.
Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Hospital Services in Nigeria: An Exploratory Study of Regional Differences in the Availability of Hospital Beds and Their Relationship to Selected Contextual Factors.
Major Adviser: Prof. T. J. Litman.
1983. Barbara Jane Berry Leonard. B.S. magna cum laude '63, Gustavus Adolphus College; M.S. '65, University of Minnesota.
Major: Hospital and Health Care Administration. Minor: Child Psychology. Thesis: Psychosocial Consequences on Siblings of Children With Chronic Illness.
Major Adviser: Prof. T. J. Litman.
1983. Judith Joan Yates. B.S.N. summa cum laude '58, St. Olaf College. Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Source of Professional Control: A Study of the American Nurses' Association.
Major Adviser: Prof. T. J. Litman.
1984. Nina Lee Geller. B.A. '72, M.S. '74, Colorado State University. Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Association Between Medical Practice Characteristics and The Institute of Medicine's Definition of Primary Care Attributes.
Major Adviser: Prof. T. J. Litman.
1984. Lois Jean Sonstegard. B.S.N. cum laude '69, St. Olaf College; M.A. '71, New York University.
Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Capital Formation in the Hospital Industry: 1980 - 1991.
Major Adviser: Prof. T. J. Litman.
1985. LaVohn Eileen Josten. B.S.N. '64, University of Iowa; M.N. '70, University of Pittsburgh.
Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: The Relationship Between Patient and Physician Characteristics and Hospital Charges for Persons Over 65 in the Last Year of Life.
Major Adviser: Prof. T. J. Litman.
1986. Mary Louise Krall. B.S. '61, The College of St. Catherine; M.S. '75, University of Minnesota.
Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Interpersonal Quality of Care in Two Ambulatory Surgery Settings.
Major Adviser: Prof. T. J. Litman.
1986. Steven Miller Witz. B.A. '75, M.P.H. '77, University of Minnesota. Major: Hospital and Health Care Administration. Minor: Supporting Program. Thesis: Homogeneity of Resource Utilization Among Patients Grouped by Diagnosis Related Groups.
Major Adviser: Prof. V. E. Weckwerth.

Medicinal Chemistry

1976. Chi-Ming Chen. B.Pharm. '65, Taipei Medical College.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Spiro-Oxirane Tumor Inhibitors Modeled after Trichothecenes in Situ Allylic Oxidation with Chromium Trioxide Pyridine Complex.
Major Adviser: Prof. P. S. Portoghesi.
1978. Kei-Lai Lau Fong. B.S. '72, National Taiwan University.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Studies on Binding and Photoaffinity Labeling of the Ribosomal Peptidyl Transferase Center with Synthetic Puromycin Analogous.
Major Adviser: Prof. Robert Vince.

Medicinal Chemistry

1979. Ching-Hsiu Chen. B.S.'71, National Taiwan University; M.S.'75, University of Minnesota.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis of Beta, Gamma-Unsaturated Alpha-Amino Acids Analogues.
Major Adviser: Prof. M. M. Abdel-Monem.
1979. Sheung-Tsam Kam. B.Pharm.'71, National Defense Medical Center.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis and Biological Evaluation of Prostaglandin Endoperoxide Analogues.
Major Adviser: Prof. P. S. Portoghese.
1979. Sanne Dail Jones Magnan. B.S.'74, University of North Carolina.
Major: Medicinal Chemistry. Minor: Biochemistry. Thesis: Drug Latentiation Based on the Action of Gamma-Glutamyl Transpeptidase.
Major Adviser: Prof. H. T. Nagasawa.
1979. Marvin Charles Pankaskie. B.S.'74, University of Nebraska.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis and Biological Evaluation of Inhibitors of S-Adenosyl-L-Methionine Decarboxylase.
Major Adviser: Prof. M. M. Abdel-Monem.
1980. William P. Muldoon. B.S.'72, Massachusetts College of Pharmacy.
Major: Medicinal Chemistry. Minor: Biochemistry. Thesis: Structural Analogs of Proline and Their Effects on Proline Oxidase.
Major Adviser: Prof. H. T. Nagasawa.
1981. Bipin D. Alreja. B.S. with honors '72, Jai Hind College.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: Synthesis and Biological Evaluation of Allylproline Analogues.
Major Adviser: Prof. P. S. Portoghese.
1981. Bonnie Lee Mangold. A.B.'75, Grinnell College.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: N-Arylhydroxamic Acid N,O-Acyltransferase Catalyzed Bioactivation of Para-Substituted N-Phenylacetohydroxamic Acids.
Major Adviser: Prof. P. E. Hanna.
1981. James B. Mangold. B.S.'75, University of Kansas.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Mechanisms of Metabolic Transformations.
Major Adviser: Prof. M. M. Abdel-Monem.
1982. Mohamed Hafez Essawi. B.Pharm.'71, M.Pharm.'74, Cairo University.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: Synthesis and Biological Evaluation of Fentanyl Analogues.
Major Adviser: Prof. P. S. Portoghese.
1982. K. Ramakrishnan. B.Pharm.'71, M.Pharm.'74, University of Bombay.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Benzomorphan Analogues of Enkephalin.
Major Adviser: Prof. P. S. Portoghese.
1983. Catherine Rose Brungardt. B.S.Pharm. with highest distinction '78, University of Kansas.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis of Analogs of Puromycin as Affinity Labels for the Peptidyl Transferase Center of the *E. coli* Ribosome.
Major Adviser: Prof. Robert Vince.
1983. Adnan Abdelrahman Elfarrar. B. Pharm. S.'75, Cairo University.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: An Investigation of Structure-Activity Relationships in Arylhydroxamic Acid N,O-Acyltransferase-Catalyzed Bioactivation Reactions.
Major Adviser: Prof. P. E. Hanna.

Medicinal Chemistry

1983. Robert Barker Miller. B.A.'77, University of Kansas.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis of Ketomethylene and Trans-Olefinic Analogs of L-Prolyl-L-Leucylglycinamide.
Major Adviser: Prof. R. L. Johnson.
1984. Richard Louis Elliott. B.S. magna cum laude '80, University of Connecticut.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Phosphoramidate Peptide Analogues as Inhibitors of Enkephalinase and Angiotensin-Converting Enzyme.
Major Adviser: Prof. P. S. Portoghese.
1984. Chul Hoon Kwon. B.S.Pharm. cum laude '79, Howard University.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: Prodrugs of Cyanamide as Alcohol Deterrent Agents.
Major Adviser: Prof. H. T. Nagasawa.
1984. Joseph William Schoenecker. B.A.'76, College of St. Thomas.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: The Synthesis and Pharmacologic Characterization of Irreversibly Acting Opiate Agents.
Major Adviser: Prof. P. S. Portoghese.
1984. Elizabeth Ellen Sugg. B.S.'75, University of Vermont; M.S.'77, Virginia Polytechnic Institute and State University.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Synthesis and Biological Evaluation of Leucine-Enkephalinamide Analogs Containing Conformationally Restricted Amino Acids.
Major Adviser: Prof. P. S. Portoghese.
1985. Varghese John. B.Sc.Tech. '80, University of Bombay.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Molecular Probes for the Inhibitory Site of PGH Synthase.
Major Advisers: Profs. P. S. Portoghese and T. J. Holmes.
1985. Richard Edward Ridgewell. B.A. '80, University of Minnesota.
Major: Medicinal Chemistry. Minor: Supporting Program. Thesis: Mechanisms of Catalysis by the Glutathione S-Transferases: Chiral Alkyl and Aryl Halides.
Major Adviser: Prof. M. M. Abdel-Monem.
1985. Jonathan Lee Vennerstrom. B.S. '79, University of Minnesota.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: The Design and Synthesis of Potential Inhibitors of Prostaglandin Synthetase.
Major Advisers: Profs. P. S. Portoghese and T. J. Holmes.
1986. Stephen Lawrence Crooks. B.A. cum laude '81, Hamline University.
Major: Medicinal Chemistry. Minor: Chemistry. Thesis: Analogs of 2-Amino-4-Phosphonobutanoic Acid (APB) as Antagonists of Excitatory Neurotransmission in the Mammalian Central Nervous System.
Major Adviser: Prof. R. L. Johnson.

Medicine*

1978. Lawrence David Schuster. B.A.'68, Yale University; M.D.'72, University of Chicago.
Major: Medicine. Minor: Biochemistry. Thesis: Triiodothyronine (T_3) Nuclear Receptors in Human Liver and Kidney: Characterization, Quantitation, and Similarities to Rat Receptors.
Major Adviser: Prof. J. H. Oppenheimer.
1983. Bruce M. Boman. B.A. with honor '72, Hamline University; M.D.'76, University of Minnesota.
Major: Medicine. Minor: Supporting Program. Thesis: The Role of Plasma Membrane Phosphorylation in Modulation of Membrane Functions During the G1 Phase of the Cell Cycle.
Major Adviser: Prof. T. P. Dousa.

* Ph.D in Medicine

Neurology*

1980. John Thomas Hutton. B.A.'68, Texas Technological College; M.D.'72, Baylor College of Medicine.
Major: Neurology. Minor: Supporting Program. Thesis: Smooth Pursuit and Saccadic Eye Movements in Dementia.
Major Adviser: Prof. J. A. Resch.

Neurosurgery**

1977. Kenneth James Murray. B.S.'67, M.D.'70, Northwestern University.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Immunobiologic and Ultrastructural Studies on Human Brain Astrocytomas.
Major Advisers: Profs. S. N. Chou and S. T. Douglas.

1977. Andrew Jephtha Kincannon Smith. B.A.'64, University of Texas, Austin; M.A.'68, M.D.'69, University of Texas Southwestern Medical School.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Hyperemia, CO₂ Responsiveness, and Autoregulation in the White Matter Following Spinal Cord Injury.
Major Adviser: Prof. S. N. Chou.

1979. Robert James Clubb. A.B. with high honors '65, West Virginia University; M.D.'69, Northwestern University.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Experimental Brain Injury in the Dog: Part I: The Volume-Pressure Relationship; Part II: Pathophysiological Correlations; Part III: Pharmacological Effects of Barbiturates and Sodium Nitroprusside.
Major Adviser: Prof. S. N. Chou.

1979. Fernando Gustavo Diaz. Medico Cirujano '70, Universidad Nacional Autonoma de Mexico.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Experimental Acute Cerebral Revascularization Following Regional Cerebral Infarction in the Dog.
Major Adviser: Prof. S. N. Chou.

1982. Robert David Harris. B.S. '66, Louisiana State University; M.D. '70, Medical College of Virginia.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Morphologic, Biochemical, and Immunologic Studies of Human Pituitary Tumors.
Major Adviser: Prof. E. L. Seljeskog.

1982. Dennis Shubert. B.S.'69, M.S.'70, Tufts University; M.D.'75, George Washington University.
Major: Neurosurgery. Minor: Supporting Program. Thesis: Comparison of the Hoffman Reflex and Spinal Cord Evoked Potentials in a Graded Spinal Cord Lesion.
Major Adviser: Prof. S. N. Chou.

Oral Biology

1979. Leigh Charles Anderson. B.S. with distinction '71, D.D.S.'77, University of Minnesota.
Major: Oral Biology. Minor: Supporting Program. Thesis: A Study of the Effects of Alloxan Diabetes and Insulin in Protein Synthesis in the Rat Submandibular Gland.
Major Adviser: Prof. B. L. Shapiro.

1979. Robert Jon Feigal. B.S. with high distinction '69, D.D.S.'71, University of Minnesota.
Major: Oral Biology. Minor: Nutrition. Thesis: Altered Intracellular Calcium Homeostasis in Cystic Fibrosis.
Major Adviser: Prof. B. L. Shapiro.

* Ph.D in Neurology

** Ph.D in Neurosurgery

Oral Biology

1982. Mark Edward Jensen. B.S.'72, Illinois State University; M.S.'73, D.D.S.'76, University of Minnesota.
Major: Oral Biology. Minor: Epidemiology. Thesis: Human Dental Plaque pH Changes Following Exposure to Fermentable Carbohydrate.
Major Adviser: Prof. C. F. Schachtele.

Otolaryngology*

1976. Jacob R. Guzowski. M.D. '67, Universidad Nacional Autonoma de Mexico.
Major: Otolaryngology. Minor: Microbiology. Thesis: Organ Culture of the Mouse Embryo Otocyst.
Major Adviser: Prof. M. M. Paparella.

1976. Harry Bryan Neel. B.S.'62, Cornell University; M.D.'66, State University of New York.
Major: Otolaryngology. Minor: Microbiology. Thesis: Experimental Cryosurgery.
Major Adviser: Prof. D. T. Cody.

1977. Richard Arthur Chole. M.S.'69, University of Southern California.
Major: Otolaryngology. Minor: Supporting Program. Thesis: Experimental Studies on the Role of Vitamin A in the Inner Ear.
Major Adviser: Prof. M. M. Paparella.

1977. Larry Gene Duckert. B.S. summa cum laude '69, M.D.'72, University of Minnesota.
Major: Otolaryngology. Minor: Supporting Program. Thesis: Cochlear Communication Routes Between the Subarachnoid Space and Perilymphatic Spaces Within the Inner Ear of the Guinea Pig.
Major Adviser: Prof. A. J. Duvall, III.

1977. Carlos Augusto Costa Oliveira. M.D.'66, Federal University of Rio de Janeiro.
Major: Otolaryngology. Minor: Anatomy. Thesis: A Study of the Cochlear Blood Vessels Under Normal and Pathological Conditions.
Major Advisers: Profs. M. M. Paparella and S. K. Juhn.

1977. Sergio Aquirre Prado. M.S.'68, University of Chile.
Major: Otolaryngology. Minor: Anatomy. Thesis: Osmotic Relation Between Blood, Cerebrospinal Fluid and Inner Ear Fluids.
Major Advisers: Profs. M. M. Paparella and S. K. Juhn.

1978. Seth Hawksworth Lowell. A.B. with distinction '70, Indiana University; M.D.'73, Duke University.
Major: Otolaryngology. Minor: Anatomy. Thesis: The Role of Bacterial Enzymes and Surface Antigens in Inducing Inflammation.
Major Advisers: Profs. M. M. Paparella and S. K. Juhn.

1979. William Lee Meyerhoff. B.A.'62, State University of Iowa; M.D.'66, Northwestern University.
Major: Otolaryngology. Minor: Physiology. Thesis: Hypothyroidism and the Ear: An Electrophysiological, Morphological, and Biochemical Basis for Hearing Loss.
Major Adviser: Prof. A. J. Duvall, III.

1979. Leonard P. Rybak. B.S.'69, St. Louis College of Pharmacy; M.D.'73, Medical College of Wisconsin.
Major: Otolaryngology. Minor: Pharmacology. Thesis: Quantitative Effects of Ototoxic Drugs on Inner Ear Structure and Function.
Major Adviser: Prof. S. K. Juhn.

1980. Timothy Tae Kun Jung. B.S.Ag.'66, Seoul National University; M.D.'74, Loma Linda University.
Major: Otolaryngology. Minor: Anatomy. Thesis: Studies on Prostaglandins in Experimental Otitis Media.
Major Adviser: Prof. S. K. Juhn.

* Ph.D in Otolaryngology

Otolaryngology*

1981. Norman Thomas Berlinger. B.S.'66, M.D.'70, University of Michigan. Major: Otolaryngology. Minor: Anatomy. Thesis: Circulating Suppressor Monocytes in Malignant Disease. Major Adviser: Prof. M. M. Paparella.
1981. Thomas Vincent McCaffrey. B.S. magna cum laude '70, Loyola University; M.D. summa cum laude '74, Loyola Stritch School of Medicine. Major: Otolaryngology. Minor: Physiology. Thesis: Physiologic Control of Upper Airway Resistance. Major Adviser: Prof. D. T. Cody.
1984. James Isaac Cohen. M.D.'78, Univeristy of Manitoba. Major: Otolaryngology. Minor: Supporting Program. Thesis: Experimental Endolymphatic Hydrops: A Study of Alterations in Cochlear Function. Major Adviser: Prof. Tetsuo Morizono.
1985. Charles Henry Long. B.A. '74, Yale University; D.M. '80, The University of Rochester. Major: Otolaryngology. Minor: Supporting Program. Thesis: Hydrostatic Pressure Differences Across the Intralabyrinthine Membranes of the Guinea Pig. Major Adviser: Prof. Tetsuo Morizono.
1985. Edward Henry Szachowicz, II. B.A. '75, Northwestern University. Major: Otolaryngology. Minor: Supporting Program. Thesis: A Morphologic Study of the Chinchilla Stria Vascularis After Repeated Intravenous Ethacrynic Acid Administration. Major Adviser: Prof. A. J. Duvall.

Pathobiology

1979. Mary Ellen Weitzenkamp Chandler. B.S. with honors '74, M.S.'76, University of Missouri, Kansas City. Major: Pathobiology. Minor: Supporting Program. Thesis: Localization of Structural Genes and Regulatory DNA Sequences to High Resolution Chromosomes in Man. Major Adviser: Prof. R. D. Estensen.
1980. Mohamed Ahmed Virji. B.Med., B.Surg.'69, University of East Africa. Major: Pathobiology. Minor: Laboratory Medicine. Thesis: Insulin Release and Plasminogen Activator Secretion From the Islets of Langerhans. Major Adviser: Prof. R. D. Estensen.
1981. Magid Abbasnezhad. B.S.'68, Pahlavi University. Major: Pathobiology. Minor: Anatomy. Thesis: The Use of Enzymes as Immunologic Markers. Major Adviser: Prof. Walid Yasmineh.
1982. Mary Ellen Norvitch. B.Chem.'77, University of Minnesota. Major: Pathobiology. Minor: Biochemistry. Thesis: Studies of Nuclear Phosphoproteins in Rat Ventral Prostate. Major Adviser: Prof. Khalil Ahmed.
1982. Dennis Eugene Smith. B.S.'77, University of Minnesota. Major: Pathobiology. Minor: Biology. Thesis: Assessment of Hormone Induced Phenotypic Reversion of Transformed Human Fibroblasts by Monoclonal Anti-Fibronectin Antibodies. Major Adviser: Prof. L. T. Furcht.
1982. Randolph Steer. B.A. magna cum laude '71, University of Minnesota; M.D.'76, Mayo Medical School. Major: Pathobiology. Minor: Supporting Program. Thesis: Phosphoprotein Metabolism in the Nuclear Envelope. Major Adviser: Prof. Khalil Ahmed.

* Ph.D in Otolaryngology

Pathobiology

1983. John Kirk Wiencke. B.S.'77, M.S.'79, University of Minnesota.
Major: Pathobiology. Minor: Supporting Program. Thesis: A Study of Factors Influencing the Induction of Sister Chromatid Exchange by Chemical Carcinogens in Human Lymphocytes.
Major Adviser: Prof. L. W. Wattenberg.

1984. David James Hall. B.S.'78, University of Minnesota.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: The Mechanisms Involved in the Initiation of Lymphocyte Proliferation In Vitro.
Major Advisers: Profs. J. S. O'Leary and Andreas Rosenberg.

1984. Sally Louise Palm. B.S. with high distinction '76, M.S.'78, University of Minnesota.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: Basement Membrane Proteins in the Peripheral Nervous System: Localization in Vivo and Cell-Protein Interactions in Vitro.
Major Adviser: Prof. L. T. Furcht.

1984. Derry Charles Roopenian. B.A. cum laude '72, University of Vermont.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: Functional and Immunogenetic Analysis of Minor Histocompatibility Antigen-Reactive Cloned T. Lymphocytes.
Major Adviser: Prof. F. H. Bach.

1984. Douglas Maclean Smith. B.A.'73, M.D.'76, University of Iowa.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: A Comparison of Arachidonic Acid Metabolism in Nasal Polyps and Eosinophils.
Major Advisers: Profs. J. G. White and Erhard Haus.

1985. Mary Margaret Kleppel. B.S. '82, University of Minnesota.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: Comparison of the NCI Domain of Type IV Collagen Isolated From Human Glomerular Basement Membranes and a Mouse Tumor (EHS).
Major Adviser: Prof. A. F. Michael.

1985. Beverly H. Koller. B.Sc. with honors '80, University of Ottawa.
Major: Pathobiology. Minor: Biochemistry. Thesis: The HLA-A Locus.
Major Advisers: Profs. H. T. Orr and E. S. Benson.

1985. John Ries Mahoney, Jr. B.A. cum laude '81, University of Minnesota.
Major: Pathobiology. Minor: Supporting Program. Thesis: The Role of Hemoglobin and Haptoglobin in Experimental E. coli Peritonitis.
Major Adviser: Prof. J. W. Eaton.

1986. Kathleen Ann Clouse. B.S.Ed. '71, Ohio State University: B.S. '74, Richmond College.
Major: Pathobiology. Minor: Cell and Developmental Biology. Thesis: In Vitro Assessment of the Cell-Mediated Immune Response to Herpes Simplex Virus in Man.
Major Adviser: Prof. H. T. Orr.

1986. M. Michele Hogan. M.A. magna cum laude '74, College of St. Scholastica.
Major: Pathobiology. Minor: Genetics. Thesis: In Vitro Analyses of Induced Immunity Against a Murine Syngeneic Tumor.
Major Adviser: Prof. J. W. Eaton.

Pathology

*1976. John David Olson. B.A.'66, University of Colorado; B.S.'68, University of North Dakota; M.D.'70, Georgetown University.
Major: Pathology. Minor: Supporting Program. Thesis: The Elucidation of a Plasma Defect in Von Willebrand's Disease.
Major Adviser: Prof. A. L. Brown.

* Ph.D in Pathology

Pathology

1977. Omar Alberto Rey. M.D.'70, Universidad Catolica de Cordoba.
Major: Pathology. Minor: Laboratory Medicine. Thesis: On the Role of T and B Lymphocytes in the Induction, Maintenance and Termination of Immunologic Tolerance in Mice.
Major Adviser: Prof. M. M. Azar.

1978. Ricki-Lahn Chopyk. B.S. '73, University of Minnesota.
Major: Pathology. Minor: Supporting Program. Thesis: Immunogenetics of Response to Streptococcal Antigens.
Major Adviser: Prof. L. J. Greenberg.

1979. Gerald Edward Ranges. A.B.'71, Middlebury College.
Major: Pathology. Minor: Supporting Program. Thesis: Genetic Aspects of Experimental Immunologic Tolerance.
Major Adviser: Prof. M. M. Azar.

1979. Gene Philip Siegal. B.A.'70, Adelphi University; M.D.'74, University of Louisville.
Major: Pathology. Minor: Supporting Program. Thesis: The Frequency and Distribution of Nuclear and Polysomal Messenger RNA Sequences of Cultured AKR Mouse Embryo Cells.
Major Adviser: Prof. H. L. Moses.

1980. Dagne Lu Florine. B.S.'75, University of Minnesota.
Major: Pathology. Minor: Supporting Program. Thesis: Differentiation-Specific Growth Arrest State in the G₁ Phase of the Cell Cycle.
Major Adviser: Prof. R. E. Scott.

1983. Robert Allen Robinson. B.A.'76, M.D.'76, University of Missouri.
Major: Pathology. Minor: Supporting Program. Thesis: Epidermal Growth Factor Receptors in Chemically Transformed and Nontransformed Cells in Culture.
Major Adviser: Prof. H. L. Moses.

1984. Marjorie Louise Wier. B.S. cum laude '77, B.S. cum laude '78, University of Utah.
Major: Pathology. Minor: Supporting Program. Thesis: Control of Terminal Differentiation in 3T3-T Proadipocytes.
Major Adviser: Prof. R. E. Scott.

1986. Jaroslava Halper. M.D. '80, University of Toronto.
Major: Pathology. Minor: Supporting Program. Thesis: Identification, Purification and Characterization of an Apparently Novel Transforming Growth Factor.
Major Adviser: Prof. H. L. Moses.

Pediatrics*

1978. Jonathan Michael Gerrard. B.A. with distinction '67, University of Saskatchewan; M.D.C.M.'71, McGill University.
Major: Pediatrics. Minor: Pharmacology. Thesis: A Study of the Role of Prostaglandins and Thromboxanes in Platelet Activation.
Major Adviser: Prof. J. G. White.

Pharmaceutics

1977. Cheng-Hsing Chou. B.S.'68, Taipei Medical College; M.S.'72, Auburn University.
Major: Pharmaceutics. Minor: Chemistry. Thesis: Stochastic Analysis of Particulate Solids Mixing and Segregation: Nonstationary Markov Chains.
Major Adviser: Prof. E. G. Rippie.

* Ph.D in Pediatrics

Pharmaceutics

1978. Adnan El-Yazigi. B. Pharm. and Pharm. Chem. '70, University of Damascus; M.S. in Pharm. '73, University of Houston.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Theophylline Pharmacokinetics in the Rabbit and In Vitro-In Vivo Correlation Studies with Oral Theophylline Dosage Forms.
Major Advisers: Profs. E. G. Rippie and R. J. Sawchuk.

1978. Harald Rettig. Pharm. Profung '67, Universitat Freiburg.
Major: Pharmaceutics. Minor: Physical Chemistry. Thesis: An Analysis of Bed Expansion and Particulate Motion Leading to Segregation of Particulate Solids.
Major Adviser: Prof. E. G. Rippie.

1978. William Anthony Wargin. B.S. Pharm. with distinction '72, University of Minnesota.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: The Pharmacokinetics of Propranolol in Man and in the Rabbit.
Major Advisers: Profs. E. G. Rippie and R. J. Sawchuk.

1979. Douglas Willard Danielson. B.S. with distinction '74, University of Minnesota.
Major: Pharmaceutics. Minor: Mechanics. Thesis: Physics of Tablet Formation: Viscoelastic Behavior of Pharmaceutical Solids Compressed in a Rotary Tablet Press.
Major Adviser: Prof. E. G. Rippie.

1979. Lih-Yang Wang Lin. B.S. '73, National Taiwan University.
Major: Pharmaceutics. Minor: Chemistry. Thesis: Determination of the Time Course of Tablet Disintegration.
Major Adviser: Prof. K. G. Nelson.

1980. Keith Kwei-Hang Chan. B.S. Pharm. '71, Kaohsiung Medical College; M.S. Pharm. '74, North Dakota State University.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Investigation of the Rabbit as a Model for the Study of Drug Excretion and Metabolism by the Kidney.
Major Advisers: Profs. R. P. Enever and K. W. Miller.

1982. Makarand Jawadekar. B. Pharm. '72, Shivaji University; M. Pharm. '75, University of Bombay.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Stochastic Analysis of Mass Transport in Sheared Particulate Solids Beds Via Markov Chains.
Major Adviser: Prof. E. G. Rippie.

1982. Sue-Chih Hsieh Lee. B.S. '75, National Taiwan University.
Major: Pharmaceutics. Minor: Chemistry. Thesis: Studies on Tablet Disintegration and Dissolution.
Major Adviser: Prof. R. P. Enever.

1984. Walid Muhammad Awni. B.S. Pharm. '78, Baghdad University.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Selected Pharmacokinetic Studies of Cyclosporine.
Major Adviser: Prof. R. J. Sawchuk.

1984. Rose Mary Eggerth. B.S. with distinction '75, University of Minnesota.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Investigation of the Concentration and Time Dependencies of Phenytoin Kinetics During Constant-Rate Infusion in the Rabbit.
Major Adviser: Prof. R. J. Sawchuk.

1984. Abu Saeed Mohammad Huq. B. Pharm. with honors '71, M. Pharm. '72, University of Dacca.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Characterization of a Cascade Barrier Bed Dissolution Test Apparatus by the Methods of Dimensional Analysis.
Major Adviser: Prof. E. G. Rippie.

Pharmaceutics

1984. Wei-Cheng Liaw. B.S.Pharm.'77, National Taiwan University.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Diffusional Mass Transport of Water Soluble Antineoplastic Agents in Multiple Emulsions and Liposomes.
Major Adviser: Prof. E. G. Rippie.

1984. Dale Kwai-yum Yu. B.S.'78, University of Minnesota.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Pharmacokinetics of Propylene Glycol in the Rabbit.
Major Adviser: Prof. R. J. Sawchuk.

1985. Dilip Ramchandra Vishwasrao. B.Pharm. '69, M.Pharm. '71, University of Bombay, India.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: Retention and Dispersion Characteristics of a 'Flow-Through' Packed Bed Dissolution Apparatus.
Major Adviser: Prof. E. G. Rippie.

1986. William Todd Morehead. B.S.Pharm. '77, University of Minnesota.
Major: Pharmaceutics. Minor: Supporting Program. Thesis: The Physics of Pharmaceutical Tablet Compression: Viscoelastic Analysis of Stress/Strain Behavior in a Rotary Tablet Machine.
Major Adviser: Prof. E. G. Rippie.

Pharmacognosy

1978. Shioh-Edith Shyr Chen. B.S.'72, Kaosiung Medical College; M.S.'75, University of Minnesota.
Major: Pharmacognosy. Minor: Pharmaceutics. Thesis: American Ginseng Compounds and Their Pharmacokinetics.
Major Adviser: Prof. E. J. Staba.

1979. Halyna P. Breslawec. B.S.'74, University of Minnesota.
Major: Pharmacognosy. Minor: Supporting Program. Thesis: Androgen Effects on Estrogen Receptor.
Major Adviser: Prof. Y. J. Abul-Hajj.

1980. Aloy Ikechukwu Adigweme. B.Sc.'73, University of Ibadan; M.S.'76, University of Minnesota.
Major: Pharmacognosy. Minor: Microbiology. Thesis: Investigation of the Mechanism of Action of 5Beta-H Steroids.
Major Adviser: Prof. Y. J. Abul-Hajj.

1980. John D. Ipsen. B.S. with distinction '75, Cornell University.
Major: Pharmacognosy. Minor: Microbiology. Thesis: Attempts to Detect and Localize Artificially-Produced Toxins of Ceratomyx Ulmi in Dutch Elm Disease.
Major Adviser: Prof. Y. J. Abul-Hajj.

1980. Joseph Hon-chiu Lui. B. of Pharmacy '75, National Defense Medical Center.
Major: Pharmacognosy. Minor: Supporting Program. Thesis: Cardenolide Production from Digitalis Lanata Ehrh. Organ Cultures.
Major Adviser: Prof. E. J. Staba.

1986. Chi-Tong Chung. B.A. '73, State University of New York; M.S. '78, University of Minnesota.
Major: Pharmacognosy. Minor: Supporting Program. Thesis: Alkaloid Production From Cinchona Cell and Organ Cultures.
Major Adviser: Prof. E. J. Staba.

Pharmacology

1976. Virginia Lea Miller Kubic. B.S. cum laude '71, University of Minnesota.
Major: Pharmacology. Minor: Biochemistry. Thesis: The Metabolism of Dihalomethanes.
Major Adviser: Prof. M. W. Anders.

Pharmacology

1976. Ronald Lynn Merriman. B.A.'69, Eastern Washington State College.
Major: Pharmacology. Minor: Supporting Program. Thesis: Studies on the Potentiation by Caffeine of the Antineoplastic Action of Nitrogen Mustard and Melfhalan.

Major Adviser: Prof. N. E. Sladek.

1977. Bruce Edward Domeyer. B.S.Pharm. with high distinction '69, University of Minnesota.

Major: Pharmacology. Minor: Biochemistry. Thesis: Biotransformation of "Activated" Cyclophosphamide.

Major Adviser: Prof. N. E. Sladek.

1977. Richard Christopher Kraska. B.S.'70, Providence College.

Major: Pharmacology. Minor: Biochemistry. Thesis: Metabolism of Cyclic Nucleotides in the Uterus.

Major Adviser: Prof. N. D. Goldberg.

1977. Alice Arneal Larson. B.A.'72, University of Minnesota.

Major: Pharmacology. Minor: Biochemistry. Thesis: The Effect of Narcotic Analgesics on the Transport and Fate of Serotonin Precursors into the Brain of Rats.

Major Adviser: Prof. A. S. Takemori.

1977. Terry Donald Lindstrom. B.A. cum laude '73, Augsburg College.

Major: Pharmacology. Minor: Biochemistry. Thesis: Studies on the Biochemical Hepatotoxicity of Carbon Tetrachloride.

Major Adviser: Prof. M. W. Anders.

1977. Jean Francis Lindorfer Regal. B.S.'73, University of Minnesota.

Major: Pharmacology. Minor: Biochemistry. Thesis: The Effect of Phospholipase C on the Responsiveness of Cardiac Receptors.

Major Adviser: Prof. F. E. Shideman.

1977. Virginia Dick Seybold. B.S.'72, College of William and Mary.

Major: Pharmacology. Minor: Biochemistry. Thesis: Oxytocin and Neurophysin Storage and Release.

Major Adviser: Prof. J. W. Miller.

1978. Rokea Adel El-Azhary. B.Pharm. & Pharm.Chem.'69, M.Pharm.Sci.'73, Cairo University.

Major: Pharmacology. Minor: Biochemistry. Thesis: Effect of Interferon Inducing Agents on Hepatic Hemoproteins and Heme Metabolism.

Major Adviser: Prof. G. J. Mannering.

1978. Kip L. McGilliard. B.S. with honor '73, Michigan State University.

Major: Pharmacology. Minor: Physiology. Thesis: A Comparison of Narcotic Receptors Mediating Respiratory Depression and Analgesia.

Major Adviser: Prof. A. E. Takemori.

1978. Edmund John Sybertz, Jr. B.S.'72, Fairfield University.

Major: Pharmacology. Minor: Supporting Program. Thesis: Pharmacological Influences on Chemoreceptor Reflex Induced Vascular Responses.

Major Adviser: Prof. B. G. Zimmerman.

1979. Gregory Ted Brophy. B.A.'74, St. Cloud State College.

Major: Pharmacology. Minor: Biochemistry. Thesis: Potentiation of Alkylating Agent Antitumor Activity by Centrophenoxine.

Major Adviser: Prof. N. E. Sladek.

1979. Thomas Paul Caruso. B.S. cum laude '74, University of Pittsburgh.

Major: Pharmacology. Minor: Biochemistry. Thesis: Characterization of the Long-Acting Opiate Agonist, Chloroxymorphanine, and Antagonist, Chlornaltrexamine.

Major Adviser: Prof. A. E. Takemori.

Pharmacology

1979. Richard John Schwen. B.A. with high honor '74, Hamline University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Phylogenetic Aspects
of the Hepatic Cytochrome P-450-Dependent Monooxygenase System.
Major Adviser: Prof. G. J. Mannering.

1979. Jeffrey R. Shideman. B.A.'73, University of Minnesota.
Major: Pharmacology. Minor: Supporting Program. Thesis: The Renal
Excretion of p-Aminhippuric Acid (PAH) and Uric Acid in the Chicken.
Major Adviser: Prof. A. J. Quebbemann.

1979. Jeffry Lynn Vaught. A.B.'74, Indiana State University.
Major: Pharmacology. Minor: Biochemistry. Thesis: The Characterization
of Leucine and Methionine Enkephalin and Their Differential Interactions
with Morphine.
Major Adviser: Prof. A. E. Takemori.

1980. Douglas William Bierer. B.S. '69, M.S. '72, Michigan State
University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Effects of Levodopa
and Related Compounds on the Renal Handling of Uric Acid.
Major Adviser: Prof. A. J. Quebbemann.

1980. Theodore Y. Chin. B.S.'73, State University of New York, Buffalo.
Major: Pharmacology. Minor: Biochemistry. Thesis: Renal Uric Acid
Syntheses: A Quantitative Analysis.
Major Adviser: Prof. A. J. Quebbemann.

1980. Georgia Mae Frieswick. A.B. magna cum laude '75, Wheaton College.
Major: Pharmacology. Minor: Supporting Program. Thesis: Beta
Adrenergic Neuroeffector Mechanisms in Hearts of Normotensive and
Spontaneously Hypertensive Rats During Development.
Major Adviser: Prof. F. E. Shideman.

1980. Jann Adams Nielsen. B.A.'73, Kalamazoo College.
Major: Pharmacology. Minor: Psychology. Thesis: The Interaction of
Prostaglandins and the Effects of Morphine and Amphetamine in Rats.
Major Adviser: Prof. S. B. Sparber.

1980. Mark Steven Robbins. B.S.'74, University of California.
Major: Pharmacology. Minor: Biochemistry. Thesis: Ontogenic Studies on
Hepatic Drug Metabolism: Effect of Interferon Inducing Agents.
Major Adviser: Prof. G. J. Mannering.

1980. James Leonard Stevens. B.A.'74, Macalester College.
Major: Pharmacology. Minor: Biochemistry. Thesis: The Metabolism and
Toxicity of the Haloforms.
Major Adviser: Prof. M. W. Anders.

1980. Wai-Ming Tom. B.Pharm.'71, Taipei Medical College; M.S.'75,
University of Minnesota.
Major: Pharmacology. Minor: Biochemistry. Thesis: Bleomycin Pulmonary
Toxicity.
Major Adviser: Prof. M. R. Montgomery.

1981. Gary L. Diamond. B.S.'74, University of Maryland.
Major: Pharmacology. Minor: Biochemistry. Thesis: In Vivo
Quantification of Renal Sulfate and Glucoronide Conjugation.
Major Adviser: Prof. A. J. Quebbemann.

1981. Esam Eldin El-Fakahany. B.Sc.Pharm. distinction honour '74,
University of Alexandria.
Major: Pharmacology. Minor: Physiology. Thesis: Studies on the
Muscarinic Receptors in Neuroblastoma Cells.
Major Adviser: Prof. Elliott Richelson.

Pharmacology

1981. Robert Falotico. B.A.'74, Brown University.
Major: Pharmacology. Minor: Physiology. Thesis: Studies on the Synthesis, Release and Vascular Effects of Prostaglandins in Canine Hindlimb Skeletal Muscle.
Major Adviser: Prof. B. G. Zimmerman.
1981. Richard Neil Harris. B.A.'73, University of California, San Diego.
Major: Pharmacology. Minor: Biochemistry. Thesis: Studies on the Mechanism of Potentiation of Carbon Tetrachloride Hepatotoxicity by Short-Chain Alcohols.
Major Adviser: Prof. M. W. Anders.
1981. Leonard Lichtblau. B.S.'71, City University of New York.
Major: Pharmacology. Minor: Supporting Program. Thesis: A Psychopharmacological Study of Levo-Alpha-Acetylmethadol Administration in the Non-Pregnant and Pregnant Rat.
Major Adviser: Prof. S. E. Sparber.
1981. John Francis Powers. B.S. magna cum laude '75, Providence College.
Major: Pharmacology. Minor: Supporting Program. Thesis: Circulating Phosphoramidate Mustard and the Pharmacological Action of Cyclophosphamide.
Major Adviser: Prof. N. E. Sladek.
1981. William Anthony Schumacher. B.S.'74, University of California, Irvine.
Major: Pharmacology. Minor: Physiology. Thesis: The Ontogenesis of Beta Adrenergic Receptors and Adenylate Cyclase in the Rabbit Heart.
Major Adviser: Prof. B. L. Mirkin.
1981. Pancras Wong. B.A.'76, University of Oregon.
Major: Pharmacology. Minor: Supporting Program. Thesis: The Roles of the Renin-Angiotensin System and Renal Prostaglandins in the Control of Blood Pressure and Renal Blood Flow: Their Participations in the Renal Vascular Effects of Blockers of the Renin-Angiotensin System.
Major Adviser: Prof. B. G. Zimmerman.
1982. John Thomas Callaghan. B.A.'65, Bellarmine College; M.D.'69, University of Kentucky Medical Center.
Major: Pharmacology. Minor: Medicine. Thesis: The Mechanism of Phenytoin Dose Dependency.
Major Adviser: Prof. J. L. Holtzman.
1982. John Carl Livesey. B.S. with honors '77, Stanford University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Studies on the Metabolism and Toxicity of 1,2-Dihaloethanes.
Major Adviser: Prof. M. W. Anders.
1982. Hassan Mohamed Sakr. M.D. with honor '67, Alexandria University; D.M.S.'74, Tanta University.
Major: Pharmacology. Minor: Supporting Program. Thesis: Investigation of the Role of Prostaglandins in the Hemodynamic Effects of Lipids and Hormones in the Rat Kidney.
Major Adviser: Prof. E. W. Dunham.
1982. Samuel C. Yu. B.Pharm.'73, Taipei Medical College.
Major: Pharmacology. Minor: Biochemistry. Thesis: Subcellular Distribution and Release of Oxytocin and Vasopressin Studies on the Synthesis, Storage, and Release of Oxytocin from the Neurohypophysis.
Major Adviser: Prof. J. W. Miller.
1983. Patricia Cristina Contreras. B.S. with high distinction '78, Colorado State University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Characterization of the Interaction Between Prolyl-Leucyl-Glycinamide and Morphine.
Major Adviser: Prof. A. E. Takemori.

Pharmacology

1983. Gary Eugene DeLander. B.S.'77, University of Colorado.
Major: Pharmacology. Minor: Biochemistry. Thesis: The Spinal Cord as a Major Contributory Site for the Development and Expression of Chronic Opiate-Induced Tolerance and Dependence.
Major Adviser: Prof. A. E. Takemori.

1983. James Raymond Howe. B.A.'80, University of Minnesota.
Major: Pharmacology. Minor: Physiology. Thesis: Spinal Alpha2-Adrenoceptors: Relevance to Nociception, In Vitro Characterization, Changes in Response to Spinal Noradrenergic Denervation with Intrathecal 6-Hydroxydopamine.
Major Adviser: Prof. T. L. Yaksh.

1983. Janice Lynn Hylden. B.S. summa cum laude '78, College of St. Benedict.
Major: Pharmacology. Minor: Supporting Program. Thesis: Pharmacological Characterization of Substance P in the Spinal Cord.
Major Adviser: Prof. G. L. Wilcox.

1983. Joseph Edwin Low. B.S.'78, University of Minnesota.
Major: Pharmacology. Minor: Supporting Program. Thesis: Base Catalysis and the Oncotoxic Specificity of the Oxazaphosphorine Chemotherapeutics.
Major Adviser: Prof. N. E. Sladek.

1983. Shiow-Wen Shyr. B.S.'74, Kaoshiung Medical College; M.S.'77, University of Toronto.
Major: Pharmacology. Minor: Biochemistry. Thesis: The Role of Dopamine and Intermediate Lobe Peptides on Neurohypophyseal Hormone Release.
Major Adviser: Prof. J. W. Miller.

1983. Timothy John Smith. B.S.Pharm. with distinction '78, Purdue University.
Major: Pharmacology. Minor: Entomology. Thesis: Investigations of Enzyme Multiplicity and Substrate Specificity in Transacetylase Catalyzed Bioactivation of Arylhydroxamic Acid.
Major Adviser: Prof. P. E. Hanna.

1983. Byung-Joon Song. B.S.'72, M.S.'76, Seoul National University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Study of Human Platelet c-GMP Binding Protein and c-GMP Phosphodiesterase.
Major Adviser: Prof. N. D. Goldberg.

1983. Larry Maurice Tremaine. B.A. cum laude '74, Lawrence University.
Major: Pharmacology. Minor: Biochemistry. Thesis: Quantification of Individual Organ Contribution to In Vivo Conjugation and Renal Transport of Dicarboxylic Acids.
Major Adviser: Prof. A. J. Quebbemann.

1984. Melvin Den Kuwahara. A.B.'73, Occidental College; M.A.Chem.'75, California State University; M.S.'80, University of Minnesota.
Major: Pharmacology. Minor: Supporting Program. Thesis: Perinatal Exposure to Or Withdrawal from the Opiate l-a-Noracetylmethadol (Nlaam) in the Developing Chicken: Biochemical and Behavioral Studies.
Major Adviser: Prof. S. B. Sparber.

1984. Jia-Yi Wang. B.S.Pharm.'76, National Taiwan University.
Major: Pharmacology. Minor: Physiology. Thesis: Physiological and Pharmacological Characterization of the Release of Vasoactive Intestinal Polypeptide (VIP) from Selected Brain Regions In Vivo.
Major Adviser: Prof. T. L. Yaksh.

1985. Michael Kirk Ahljianian. B.S. with distinction '80, University of Rhode Island.
Major: Pharmacology. Minor: Supporting Program. Thesis: The Role of Adenosine in Morphine-Induced Analgesia, Tolerance and Physical Dependence.
Major Adviser: Prof. A. E. Takemori.

Pharmacology

1985. Joan Eileen Bird. B.S. '73, D.V.M. '74, Texas A&M University.
Major: Pharmacology. Minor: Supporting Program. Thesis: The Protective Effect of Inhibitors of Organic Cation Transport on Nephrotoxicity Induced by CIS-Diamminedichloroplatinum (II).
Major Adviser: Prof. A. J. Quebbeman.

1985. Linda Phyliss Dwoskin. B.S. magna cum laude '74, Syracuse University.
Major: Pharmacology. Minor: Psychology. Thesis: The Utility of Conditioned Behavior as a Bioassay to Investigate Receptor Mechanisms of Psychopharmacologic Agents.
Major Adviser: Prof. S. B. Sparber.

1985. John Richard Martin. B.S. highest honors '75, University of California, Davis; M.S. '79, University of the Pacific.
Major: Pharmacology. Minor: Supporting Program. Thesis: Alteration of Dopamine Receptor Sensitivity by Opiates and the Subsequent Effect of This Alteration on Opiate Tolerance and Dependence.
Major Adviser: Prof. A. E. Takemori.

1985. Malcolm Charles Moos. B.S. '82, Stanford University.
Major: Pharmacology. Minor: Supporting Program. Thesis: Guanylate Cyclase and Regulation of Platelet Function.
Major Adviser: Prof. N. D. Goldberg.

1985. Ronald John Shebuski. B.S. '76, University of Wisconsin.
Major: Pharmacology. Minor: Physiology. Thesis: Influence of Alpha,-Adrenoceptor Antagonists in the Central Regulation of Blood Pressure and Cardiovascular Reflexes.
Major Adviser: Prof. B. G. Zimmermann.

1986. Mark Steven Kleven. B.A. '77, B.S. '77, Bemidji State College; M.A. '79, Marquette University.
Major: Pharmacology. Minor: Supporting Program. Thesis: Investigations of the Role of Serotonin in the Expression of Opiate Withdrawal.
Major Adviser: Prof. S. B. Sparber.

1986. Steven George Oakes. B.A. '77, Dartmouth College.
Major: Pharmacology. Minor: Supporting Program. Thesis: Pharmacological Alterations of Electrically and Chemically-Gated Ca^{2+} Permeabilities in Membranes of Excitable Neuroblastoma Cells.
Major Adviser: Prof. S. R. Taylor.

Pharmacy Administration

1976. Richard Jules Bertin. B.S.Pharm. summa cum laude '65, University of Pittsburgh; M.S.'67, University of Minnesota.
Major: Pharmacy Administration. Minor: Public Health. Thesis: Evaluation of a Cost Containment Role for Pharmacists: An Examination of the Pharmacist's Role in the Control of Institutional Drug Costs Through Provision of Comparative Cost Data to Prescribers in the Clinical Setting.
Major Adviser: Prof. H. F. Kabat.

1976. Marcellus Grace. B.S.'71, Xavier University of Louisiana; M.A.'75, University of Minnesota.
Major: Pharmacy Administration. Minor: Supporting Program. Thesis: Pharmacist Improvement of Patient Compliance.
Major Adviser: Prof. H. F. Kabat.

1977. James Christopher Anthony. B.A.'71, Carleton College; M.S.'75, University of Minnesota.
Major: Pharmacy Administration. Minor: Epidemiology. Thesis: The Impact of Drug Scheduling: An Assessment of the Controlled Substances Act of 1970.
Major Adviser: Prof. A. I. Wertheimer.

Pharmacy Administration

1977. Robert Sheldon Beardsley. B.S.'72, Oregon State University; M.S.'75, University of Minnesota. Major: Pharmacy Administration. Minor: Public Health. Thesis: Evaluation of a Patient Drug Self Administration Program. Major Adviser: Prof. H. F. Kabat.
1977. Dale Blaquiére Christensen. B.S.'66, M.S.'72, Oregon State University. Major: Pharmacy Administration. Minor: Supporting Program. Thesis: A Study of Physician Drug Prescribing Adoption and Discontinuation Behaviors. Major Adviser: Prof. A. I. Wertheimer.
1977. Fredrick R. Curtiss. B.Pharm. cum laude '74, Washington State University; M.S.'76, University of Minnesota. Major: Pharmacy Administration. Minor: Supporting Program. Thesis: A Study of Role Stress and Psychological Strain among Young Practicing Pharmacists. Major Adviser: Prof. A. I. Wertheimer.
1977. Richard John Hammel. B.S.'70, M.S.'76, University of Minnesota. Major: Pharmacy Administration. Minor: Hospital and Health Care Administration. Thesis: The Relationship of Academic Professionalization and the Work Environment and Its Effect on the Pharmacist's Job and Life Satisfaction. Major Adviser: Prof. A. I. Wertheimer.
1977. Ronald Edwin Larson. B.S.Pharm.'62, Montana State University; M.P.H.'72, M.S.'74, University of Minnesota. Major: Pharmacy Administration. Minor: Public Health. Thesis: The Use of Drugs as a Treatment Modality in Chiropractic. Major Adviser: Prof. A. I. Wertheimer.
1977. Rachel Folasade Oyegbile. B.S. with honors '73, Ahmadu Bello University; M.S.'75, University of Minnesota. Major: Pharmacy Administration. Minor: Supporting Program. Thesis: Analysis of the Use and Potential Use of the Pharmacists in Preventive Health Services. Major Adviser: Prof. A. I. Wertheimer.
1977. Stephen John Sweeney. B.S.Pharm. with distinction '68, M.S.'69, University of Minnesota. Major: Pharmacy Administration. Minor: Public Health. Thesis: Drug Reclassification: Past, Present, and Future. Major Adviser: Prof. A. I. Wertheimer.
1978. Patricia Lynn Jahns Bush. B.S.Pharm.'54, University of Michigan; M.S.'72, University of London. Major: Pharmacy Administration. Minor: Supporting Program. Thesis: Evaluation of a Drug Therapy Protocol in a Health Maintenance Organization. Major Adviser: Prof. A. I. Wertheimer.
1978. Paul G. Grussing. B.S.Pharm.'54, M.S.'76, University of Minnesota. Major: Pharmacy Administration. Minor: Educational Psychology. Thesis: Development and Validation of Measures for the Assessment of Competency in Pharmacy Practice. Major Adviser: Prof. A. I. Wertheimer.
1979. Randall Louis Lambert. B.S.'71, University of Illinois. Major: Pharmacy Administration. Minor: Supporting Program. Thesis: Nonprescription Drug Users' Knowledge of Agents Used in Medically Unsupervised Therapy. Major Adviser: Prof. A. I. Wertheimer.

Pharmacy Administration

1984. Linda Mae Strand. B.S.Pharm. with high distinction '76, Pharm.D.'77, University of Minnesota.
Major: Pharmacy Administration. Minor: Supporting Program. Thesis: Evaluation of the Drug Selection Process in the Treatment of Essential Hypertension.
Major Adviser: Prof. A. I. Wertheimer.

Physical Medicine and Rehabilitation*

1977. Rita Bistevis. M.D.'60, Dalhousie University.
Major: Physical Medicine and Rehabilitation. Minor: Pathology. Thesis: Structure and Ultrastructure of Mechanoreceptors at the Human Musculotendinous Junction.
Major Adviser: Prof. E. A. Awad.

1983. Thomas Wagner Findley. B.A.'70, Reed College; M.D.'77, Georgetown University.
Major: Physical Medicine and Rehabilitation. Minor: Psychology. Thesis: Ambulation and the Adolescent with Myelomeningocele.
Major Advisers: Profs. F. J. Kottke and G. T. Athelstan.

1985. James Courtland Agre. B.A. magna cum laude '71, Augsburg College; M.D. '76, University of Minnesota.
Major: Physical Medicine and Rehabilitation. Minor: Supporting Program. Thesis: The Effects of Methyl dopa and Propranolol on Exercise Capacity, Pressor Response to Dynamic and Isometric Exercise, and Plasma Lipids in Patients with Mild to Moderate Hypertension: A Double-Blind Comparison.
Major Adviser: Prof. F. J. Kottke.

Physiological Hygiene

1984. David Clinton Casal. B.A.'76, M.S.'82, University of Minnesota.
Major: Physiological Hygiene. Minor: Supporting Program. Thesis: Effect of 2000 Kilocalories of Weekly Treadmill Walking and Stairclimbing on Coronary Risk Factors of Obese Young Men.
Major Adviser: Prof. A. S. Leon.

1984. Richard Hugo Grimm, Jr. B.A.'68, University of Oklahoma; M.D. '72, University of Oklahoma, School of Medicine; M.P.H.'78, University of Minnesota.
Major: Physiological Hygiene. Minor: Supporting Program. Thesis: The Effects of Diuretic Use on Blood Lipids and Lipoproteins in Mildly Hypertensive Men: Implications for Cardiovascular Risk.
Major Adviser: Prof. A. S. Leon.

1986. Unto Erkki Pallonen. B.A. '72, University of Jyväskylä; M.Soc.Sci. '78, University of Helsinki.
Major: Physiological Hygiene. Minor: Supporting Program. Thesis: Prevention of Smoking Onset Among an East Finland Adolescent Population.
Major Adviser: Prof. H. W. Blackburn.

Physiology

1976. John Harold Anderson. B.A. summa cum laude '67, St. Olaf College; M.S.'73, University of Minnesota.
Major: Physiology. Minor: Mathematics. Thesis: Vestibular Control of Posture.
Major Adviser: Prof. C. A. Terzuolo.

1976. Ronald Nobuo Shiotsuka. B.S.'68, M.S.'70, Creighton University.
Major: Physiology. Minor: Supporting Program. Thesis: Circadian Chlorothiazide Chronotherapy.
Major Adviser: Prof. Franz Halberg.

* Ph.D in Physical Medicine and Rehabilitation

Physiology

1977. Joel Rivard Dufresne. B.E.E. with high distinction '70, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Transient Response of the Human Forearm System About the Elbow Joint.
Major Adviser: Prof. C. A. Terzuolo.
1977. Stanley Einzig. B.A. with highest honors '64, M.D.'67, University of California.
Major: Physiology. Minor: Pediatrics. Thesis: Regional Myocardial Blood Flow in the Hypertrophied Canine Heart.
Major Adviser: Prof. I. J. Fox.
1977. Peter Ying-Hong Lee. B.S. with honor '70, Western Illinois University.
Major: Physiology. Minor: Supporting Program. Thesis: Phasic Potassium Influx During the Cardiac Cycle of the Frog Atrium.
Major Adviser: Prof. Victor Lorber.
1977. Laurel Owen Sillerud. B.A.'67, M.S.'70, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Magnetic Resonance Studies of Phase Transitions in Artificial and Natural Biological Membranes.
Major Adviser: Prof. D. G. Levitt.
1978. Gary William King. B.Phys. with high distinction '69, M.S.'74, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: A Neuroanatomical and Neurophysiological Investigation of Bulbo - Pontine Circuits Contributing to the Rhythmicity of Respiration in the Cat.
Major Adviser: Prof. Charles Knox.
1978. Hans Otto Lueders. Medico Cinejano '66, Universidad Catolica de Chile; D.Med.Sci. '71, Kyushu University.
Major: Physiology. Minor: Supporting Program. Thesis: A Computer System for Statistical Analysis of EEG Transients.
Major Adviser: Prof. E. H. Lambert.
1978. Bithi Sircar. B.S.'61, M.S.'63, Calcutta University.
Major: Physiology. Minor: Supporting Program. Thesis: Distribution of Blood Flow in the Rabbit Small Intestine.
Major Advisers: Profs. D. G. Levitt and Nathan Lifson.
1979. Timothy John Ebner. B.S.'71, University of Minnesota.
Major: Physiology. Minor: Mathematics. Thesis: Temporal Patterning in the Discharge of Purkinje Cells.
Major Adviser: Prof. J. R. Bloedel.
1979. Steven Richard Elias. B.A. cum laude '72, Carleton College; M.D.'76, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Coupling of Water to Ion Transport in Artificial Lipid Bilayers Treated with the Antibiotics Gramicidin A, Valinomycin, and Nonactin.
Major Adviser: Prof. D. G. Levitt.
1979. Kathleen Margaret McEvoy. B.A. summa cum laude '73, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Temperature Dependence of Creatine Kinase Release from Isolated Perfused Rabbit Hearts.
Major Adviser: Prof. J. A. Johnson.
1979. Conchita Zuazaga de Ortiz. B.S. with high honors '62, M.S.'64, University of Puerto Rico.
Major: Physiology. Minor: Chemistry. Thesis: The Influence of Sulfhydryl and Disulfide Groups of the Membrane on the Electrical Excitability of Crustacean Muscle.
Major Adviser: Prof. R. E. Poppele.

Physiology

1980. John Anthony Dani. B.S. summa cum laude '75, University of Michigan.
Major: Physiology. Minor: Chemistry. Thesis: Cation Binding Constants Determined from Cation Blockage of Water Flux and the Water Permeability of the Gramicidin Channel.
Major Adviser: Prof. D. G. Levitt.
1980. Stevan Maria Dawis. B.A. summa cum laude '73, University of Minnesota.
Major: Physiology. Minor: Electrical Engineering. Thesis: Steady State Adaptation in Cone Photoreceptors.
Major Adviser: Prof. R. L. Purple.
1980. Richard Marshall Edwards. B.S.'73, M.S.'77, University of Oklahoma.
Major: Physiology. Minor: Supporting Program. Thesis: Cellular Action of Vasopressin in Isolated Renal Tubules and Nephrogenic Diabetes Insipidus.
Major Adviser: Prof. T. P. Douza.
1980. Donald Elliot Kohan. B.A. with distinction and high honors '75, University of Delaware.
Major: Physiology. Minor: Supporting Program. Thesis: Localization of the Nephron Sites Responsible for Escape from the Sodium Retaining Effects of Mineralocorticoids.
Major Adviser: Prof. F. G. Knox.
1981. Barbara Eason Goodman. B.A.'72, Duke University.
Major: Physiology. Minor: Supporting Program. Thesis: Developmental Changes in Alveolar Epithelium Permeability and Selectivity in Rabbits.
Major Adviser: Prof. O. D. Wangenstein.
1981. Eric Alfred Hoffman. B.A.'74, Antioch College.
Major: Physiology. Minor: Supporting Program. Thesis: Estimation of Regional Pleural Surface Expansile Forces in Intact Dogs.
Major Adviser: Prof. E. H. Wood.
1981. David F. Kern. B.A.'74, Colorado College; M.S.'78, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Pulmonary Capillary Permeabilities and Reflection Coefficients.
Major Adviser: Prof. O. D. Wangenstein.
1981. Kyoo-Hai Lee Ryu. B.Eng.'72, Yonsei University.
Major: Physiology. Minor: Biomedical Engineering. Thesis: Studies on the Unstirred Layer and Countercurrent Circulation in Canine Intestinal Villi.
Major Adviser: Prof. E.D. Grim.
1981. Robert Ray Mayrand. B.A. magna cum laude '75, University of Minnesota, Duluth.
Major: Physiology. Minor: Supporting Program. Thesis: Facilitated Diffusion of Small Non-electrolytes in the Human Red Blood Cell.
Major Adviser: Prof. D. G. Levitt.
1981. Linda Anne Prong. B.A. magna cum laude '68, University of Minnesota.
Major: Physiology. Minor: Biochemistry. Thesis: Cellular-Extracellular Compartmentalization of the Canine Jejunal Wall.
Major Adviser: Prof. E.D. Grim.
1982. Steven Edward Anderson. B.A.'74, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: The Influence of Interstitial Elasticity on Transcapillary Transfer in the Rabbit Heart.
Major Adviser: Prof. J. A. Johnson.

Physiology

1982. Thomas Behrenbeck. M.D.'78, University of Munster.
Major: Physiology. Minor: Biophysics. Thesis: Regional Myocardial Wall Dynamics Under Controlled Ischemia and Pharmacological Depression of the Myocardium.
Major Advisers: Profs. E. L. Ritman and E. H. Wood.

1982. Stephen F. Holloway. B.A.'73, Carleton College; M.S.'76, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Electrogenic Na/K Pump is in Part Regulated by Changes in Membrane Potential.
Major Adviser: Prof. R. E. Poppele.

1982. Michael O'Donnell. B.S. cum laude '70, St. Procopius College.
Major: Physiology. Minor: Pharmacology. Thesis: Electrical Conductivity, Ionic Selectivity and Permeability of the Isolated Rabbit Aorta.
Major Adviser: Prof. F. F. Vargas.

1982. Gordon Michael Wahler. B.A. cum laude '77, Augustana College.
Major: Physiology. Minor: Pharmacology. Thesis: Afterload-Induced Contractility Changes in Isolated Cardiac Muscle of the Cat.
Major Adviser: Prof. I. J. Fox.

1983. Edward George Hames, III. B.A.'72, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Output Projections from Clarke's Column and the Role of Supraspinal Systems in Modulating the Exteroceptive DSCT.
Major Adviser: Prof. J. R. Bloedel.

1983. Jose Rafael Lopez Padrinós. Med.Cir.'72, Universidad de los Andes.
Major: Physiology. Minor: Supporting Program. Thesis: Changes in Excitation Contraction Coupling in Skeletal Muscle Induced by Potentiators and Muscle Relaxants.
Major Adviser: Prof. S. R. Taylor.

1983. Nancy Jean Rusch. B.S.'75, University of Wisconsin; M.A.'77, University of Washington.
Major: Physiology. Minor: Pharmacology. Thesis: Effect of Cooling on the Neuromuscular Junction of Cutaneous Blood Vessels.
Major Adviser: Prof. J. T. Shepherd.

1983. Bruce Michael Simat. B.A. cum laude '74, University of Minnesota, Duluth; M.S.'77, University of Minnesota.
Major: Physiology. Minor: Biochemistry. Thesis: Hepatic Regulation of Total Cytoplasmic Ribonucleic Acid and Messenger Ribonucleic Acid in the Rat: The Roles of Thyroid Hormone and Growth Hormone.
Major Adviser: Prof. J. H. Oppenheimer.

1984. Thelma Jannette Cervený. B.S.'71, M.S.'72, Texas Woman's University.
Major: Physiology. Minor: Supporting Program. Thesis: The Interaction of Coagulation Factor V and Vascular Endothelial Cells.
Major Adviser: Prof. K. G. Mann.

1984. Jorge Alberto Estrin. M.D.'76, Universidad de Buenos Aires.
Major: Physiology. Minor: Anesthesiology. Thesis: The Bezold Reflex: A Special Case of the Left Ventricular Mechanoreceptor Reflex.
Major Adviser: Prof. I. J. Fox.

1984. Andrew Barnard Schwartz. B.S.'78, University of Minnesota.
Major: Physiology. Minor: Supporting Program. Thesis: Responses of Cerebellar Nuclear Neurons to Perturbations of Locomotion in the Decerebrate Cat.
Major Adviser: Prof. J. R. Bloedel.

Physiology

1984. Jerrold Lee Vitek. B.A. cum laude '73, University of Minnesota, Duluth.

Major: Physiology. Minor: Supporting Program. Thesis: The Effects of Dentate Nuclear Output Via Pathways Not Involving the Sensorimotor Cortex on the Amplitude and Organization of the Stretch Reflex in Decerebrate Cats.

Major Adviser: Prof. J. R. Bloedel.

1985. Timothy William Kraft. B.S. '79, Massachusetts Institute of Technology.

Major: Physiology. Minor: Supporting Program. Thesis: Anatomical Observations and Physiological Implications of the Fine Structure of the Cone Photoreceptors in the Walleye Retina.

Major Adviser: Prof. R. L. Purple.

1985. Christopher Joseph McDevitt. B.A. magna cum laude '77, St. Thomas College.

Major: Physiology. Minor: Supporting Program. Thesis: Relationships Between Cerebellar Nuclear Neurons, Purkinje Cells and Climbing Fiber Inputs Utilizing Simultaneous Recording Techniques.

Major Adviser: Prof. J. R. Bloedel.

1985. Gene Ronald Shaw. B.A. magna cum laude '80, University of Minnesota.

Major: Physiology. Minor: Biochemistry. Thesis: Resting Metabolic Rate in Men Following Prolonged Treadmill Exercise.

Major Advisers: Profs. A. S. Leon and E. D. Grim.

1986. Elizabeth Ann Braunlin. B.S. '67, University of Iowa; M.S. '72, M.D. '76, University of Minnesota.

Major: Physiology. Minor: Supporting Program. Thesis: Myoglobin Facilitates Oxygen Diffusion in Mammalian Myocardium (Kitten Papillary Muscle).

Major Adviser: Prof. I. J. Fox.

1986. Paul Anthony Iazzo. B.S. '78, B.S. '78, University of Minnesota, Duluth; M.S. '80, University of Minnesota.

Major: Physiology. Minor: Supporting Program. Thesis: Aequorin Luminescence From Stimulated Skeletal Muscle Cells: Relation Between Changes in Intracellular Calcium and Contractile Force.

Major Adviser: Prof. R. E. Poppele.

1986. Douglas Bruce Light. A.B. '78, Colby College.

Major: Physiology. Minor: Supporting Program. Thesis: Potassium-Selective Ion Channels in a Simian Virus Transformed Hamster Pancreatic Beta-Cell Line.

Major Adviser: Prof. D. G. Levitt.

1986. Jau-Shin Lou. M.B. '79, National Taiwan University; M.S. '84, University of Minnesota.

Major: Physiology. Minor: Supporting Program. Thesis: The Responses of Simultaneously Recorded Purkinje Cells to the Perturbations of the Step Cycle in the Walking Ferret: A Study Using a New Analytical Method- The Real Time Postsynaptic Response (RTPR).

Major Adviser: Prof. J. R. Bloedel.

Psychiatry*

1980. Abbas D. Nahas. M.D. '60, Damascus University; M.S. '67, New York University.

Major: Psychiatry. Minor: Supporting Program. Thesis: Assessment and Prediction of Readmissions of Child Psychiatric Population to Inpatient Services.

Major Adviser: Prof. R. D. Wirt.

* Ph.D in Psychiatry

Psychiatry*

1980. Gary Dennis Tollefson. B.A. summa cum laude '73, M.D.'76, University of Minnesota.
Major: Psychiatry. Minor: Supporting Program. Thesis: A Comparison of Human Muscarinic Cholinergic Receptor Response to a Number of Psychotropics Utilizing the Radiolabeled Antagonist, (³H)-Quinuclidinyl Benzilate.
Major Advisers: Profs. L. L. Heston and V. B. Tuason.

Social and Administrative Pharmacy

1978. Jesse Lyle Bootman. B.S. with high distinction '74, University of Arizona; M.S.'76, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: The Application of Clinical Pharmacokinetic Principles: A Cost-Benefit Analysis.
Major Adviser: Prof. A. I. Wertheimer.

1979. Weng-Foung Huang. B.S.'72, National Taiwan University; M.S.'76, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: A Study of Ethnicity and Nonprescribed Medicine Consumption.
Major Adviser: Prof. A. I. Wertheimer.

1979. William Frederick McGhan. Pharm.D.'70, University of California, San Francisco.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: Pharmacist-Conducted Reviews of Drug Therapy in Nursing Homes: An Analysis with Medicaid Data.
Major Adviser: Prof. A. I. Wertheimer.

1979. Michael Ira Smith. B.S.Pharm. with distinction '75, M.S.'76, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: An Examination of the Lay Referral System as Applied to the Perceptions of Quality of Pharmaceutical Services.
Major Adviser: Prof. A. I. Wertheimer.

1979. Andreas Steve Stergachis. B.Pharm.'75, Washington State University; M.S.'76, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: Evaluation of a Diagnosis-Linked Drug Screening Mechanism for Drug Utilization Review.
Major Adviser: Prof. A. I. Wertheimer.

1980. David James McLean. B.S.Pharm.'74, The Ohio State University; M.S.'77, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Public Health. Thesis: Cost of Treatment Patterns Within a Multispecialty Group Practice.
Major Adviser: Prof. A. I. Wertheimer.

1981. Charles Edward Daniels. B.S. with high distinction '75, University of Arizona; M.S.'78, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: Individual Attitude Toward Innovation and the Organizational Decision to Adopt Innovative Pharmacy Services.
Major Adviser: Prof. A. I. Wertheimer.

1981. Peter DeWitt Hurd. B.A. cum laude '70, Dartmouth College; M.A.'75, Duke University.
Major: Social and Administrative Pharmacy. Minor: Supporting Program. Thesis: The Role of a Self-Serving Attribution Bias in Health-Related Behavior.
Major Advisers: Profs. C. A. Johnson and A. I. Wertheimer.

1981. Michael Edward Montagne. B.S. with high distinction '77, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Sociology. Thesis: The Nature and Meaning of Drug-Taking Experiences.
Major Advisers: Profs. Lois Maiman and A. I. Wertheimer.

* Ph.D in Psychiatry

Social and Administrative Pharmacy

1982. Abraham Gijbert Hartzema. Doctoral (Pharmacy) '76, Rijksuniversiteit Utrecht; M.S.P.H.'79, University of Washington.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: The Impact of Selected Illness Behaviors in Seeking Professional Care.
Major Adviser: Prof. A. I. Wertheimer.
1982. Eucharía E. Nnadi. B.S. cum laude '77, Creighton University; M.S.'78, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Drug Taking Behavior as a Result of Health Care Seeking Behavior in Nigeria. An Inter-Tribal Perspective.
Major Adviser: Prof. H. F. Kabat.
1982. Daniel Kevin Zismer. B.A. cum laude '75, Gustavus Adolphus College.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: A Value-Expectancy Explanation of the Psychological Conversion in Alcohol Treatment.
Major Advisers: Profs. C. A. Johnson and R. L. Holloway.
1983. Ahmad' Fuad Afdhal. Sarjana Farmasi '79, Bandung Institute of Technology; M.S.'81, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Patterns of Innovative Behavior of Community Pharmacists.
Major Adviser: Prof. A. I. Wertheimer.
1983. Jack Edwin Fincham. B.S.'75, University of Nebraska.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Social Psychological Correlates and Determinants of the Initial Drug Therapy Default.
Major Adviser: Prof. A. I. Wertheimer.
1983. Ruth Dennis Lindquist. B.S.N. with high distinction '76, M.S.'79, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Perceived Control to Reduce Patient Stress in Acute Care.
Major Advisers: Profs. R. W. Jeffery and C. A. Johnson.
1983. Ewa Ozarowska Peczalska. Dipl. in Pharm.'76, Medical Academy of Warsaw.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Analysis of the Impact of Health Motivations and Beliefs on Self-Medication Behavior.
Major Advisers: Profs. A. I. Wertheimer and R. L. Holloway.
1983. Thomas Scott Rector. B.S.'76, University of Wisconsin; Pharm.D.'78, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Epidemiology. Thesis: An Epidemiological Evaluation of the Potential Association Between Central Nervous System Depressants and Nocturnal Death in the Elderly.
Major Adviser: Prof. A. I. Wertheimer.
1983. Lyle Douglas Ried. B.S.'72, University of Washington; M.S.'82, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Year of School Transition and Its Effects on Students.
Major Advisers: Profs. L. C. Weaver and O. B. Martinson.
1983. Norrie Angel Wilkins. B.S.Pharm.'76, M.S.'81, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: A Computerized Drug Utilization Review Project: Test of Two Feedback Methods.
Major Adviser: Prof. L. C. Gatewood.

Social and Administrative Pharmacy

1984. Bernard A. Sorofman. B.A. '72, University of Nevada; B.S.Pharm. '79, University of Oklahoma, Oklahoma City.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: The Effect of Acculturation on Medical Self-Care Practices.
Major Adviser: Prof. A. I. Wertheimer.
1984. Richard N. Spivey. D.Pharm '78, University of Southern California.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: The Relationship of Locus of Control and Reinforcement Value Within Two Health Education Methods.
Major Adviser: Prof. A. I. Wertheimer.
1984. Julie Magno Zito. B.S.Pharm. '66, St. John's University; M.S. '72, University of Connecticut.
Major: Social and Administrative Pharmacy. Minor: Epidemiology. Thesis: Clinical Characteristics of Psychotic Patients Who Refuse Antipsychotic Drug Therapy.
Major Adviser: Prof. A. I. Wertheimer.
1985. Brian John Isetts. B.S. '79, University of Wisconsin, Madison.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: A Delphic Probe of Pharmacy Decision-Makers.
Major Advisers: Profs. L. C. Weaver and A. I. Wertheimer.
1985. Ralph Ferdinand Kalies. B.S. '75, University of Wisconsin.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Quality and Efficiency in Drug Regimen Review Contrasting Systematic and Traditional Approaches.
Major Adviser: Prof. L. C. Weaver.
1985. Lucinda Louise Maine. B.S.Pharm. with high honors '80, Auburn University.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: Medication Information Seeking by Noninstitutionalized Older Adults As a Function of Health Locus of Control.
Major Adviser: Prof. A. I. Wertheimer.
1985. Merrikay Adelle Oleen. B.S.Pharm. '72, M.S. '75, North Dakota State University.
Major: Social and Administrative Pharmacy. Minor: Epidemiology. Thesis: A Historical Cohort Study of Electrophysiologic Testing and the Selection of Long-Term Antiarrhythmic Therapy.
Major Advisers: Profs. O. B. Martinson and A. I. Wertheimer.
1985. Leonard Nathan Rosenberg. B.S.Pharm. '80, Philadelphia College of Pharmacy and Science; M.S. '83 University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Supporting Program.
Thesis: A Case Control Investigation of the Association Between Drug Treatment Patterns and Diabetic Ketoacidosis.
Major Advisers: Profs. A. I. Wertheimer and C. E. Daniels.
1986. Nicholas Michael Bartone. B.S.Pharm. summa cum laude '80, Temple University; M.B.A. '85, University of Minnesota.
Major: Social and Administrative Pharmacy. Minor: Business Administration. Thesis: The Effect of Self-regulation on the Ethical Conduct of TV Drug Advertising - 1973 to 1983.
Major Advisers: Profs. A. I. Wertheimer and C. E. Daniels.

Surgery*

1976. Richard John Howard. B.A. magna cum laude '62, M.D. '66, Yale University.
Major: Surgery. Minor: Microbiology. Thesis: Interactions of Cytomegalovirus and the Immune System.
Major Adviser: Prof. J. S. Najarian.

* Ph.D in Surgery

Surgery*

1977. Charles Bailey Beckman. M.D.'66, Tufts University.
Major: Surgery. Minor: Pathology. Thesis: Cardiogenic Shock: The Effect of Therapy on Regional Perfusion and Survival.
Major Adviser: Prof. R. C. Lillehei.
1977. Thomas Allen Broadie. A.B.'63, Princeton University; B.S.Med.'65, University of South Dakota; M.D.'67, Northwestern University.
Major: Surgery. Minor: Supporting Program. Thesis: Pyloric Reflux Gastritis: An Experimental Approach.
Major Adviser: Prof. J. P. Delaney.
1977. David Elmer Richard Sutherland. B.A. cum laude '62, Augustana College; M.D.'66, University of Minnesota.
Major: Surgery. Minor: Microbiology. Thesis: Purification of Islet Tissue from Human and Animal Pancreata and Transplantation of Islet Tissue to Diabetic Recipients.
Major Adviser: Prof. J. S. Najarian.
1978. Martyn William Burk. B.S.'63, Fordham University; M.D. cum laude '68, State University of New York, Brooklyn.
Major: Surgery. Minor: Microbiology. Thesis: In Vitro Lymphocyte Stimulation Used to Evaluate Tumor-Specific Immunity in the Tumor-Bearing Host.
Major Adviser: Prof. C. F. McKhann.
1978. Rama Moorty Jager. B.M.S.'69, Andhra University.
Major: Surgery. Minor: Microbiology. Thesis: Effect of Manipulation of Immune Response by Xenologous Antisera upon Murine Tumor Growth.
Major Adviser: Prof. C. F. McKhann.
1978. J. Ernesto Molina. M.D.'60, Universidad de San Carlos.
Major: Surgery. Minor: Physiology. Thesis: The Electrical Stimulation of the Vagus Nerve: Its Influence upon Gastric Secretion and Blood Flow.
Major Adviser: Prof. O. H. Wagensteen.
1979. Ignacio J. Guzman-Valdes. Medico Cirujano '72, Universidad Autonoma de Nuevo Leon.
Major: Surgery. Minor: Physiology. Thesis: Hypolipidemic Effect of Selective Visceral Caval Shunting. Portacaval Transposition and Intestinal Resection.
Major Adviser: Prof. Henry Buchwald.
1979. Toni Hau. Arztl. Prufung '67, Dr.Med.'69, University of Cologne.
Major: Surgery. Minor: Microbiology. Thesis: Studies of the Pathogenesis and Treatment of Experimental Intraperitoneal Infections.
Major Adviser: Prof. R. L. Simmons.
1979. Loyde Harold Romero. B.A.'63, M.D.'67, University of Colorado.
Major: Surgery. Minor: Physiology. Thesis: Pulmonary Microcirculatory Dynamics in Cardiogenic Shocked Dogs.
Major Adviser: Prof. R. C. Lillehei.
1981. Michael Lewis Schwartz. M.D. magna cum laude '67, Emory University.
Major: Surgery. Minor: Physiology. Thesis: Measurement of Pulmonary Capillary Recruitment by the Double Indicator Dilution Technique.
Major Adviser: Prof. E. W. Humphrey.
1982. Ronald Morris Ferguson. B.A.'67, Augsburg College; M.D.'71, Washington University School of Medicine.
Major: Surgery. Minor: Supporting Program. Thesis: Description and Characterization of Nonspecific In Vitro Generated Cellular Suppression of Alloantigen Responses In Vitro and In Vivo.
Major Adviser: Prof. R. L. Simmons.

Surgery*

1982. Lyle Damon Joyce. B.S.'69, Baylor University; M.D.'73, Baylor College of Medicine.
Major: Surgery. Minor: Physiology. Thesis: An Evaluation of the Role of Stimulation of the Reticuloendothelial System to Induce Resistance to Shock.
Major Adviser: Prof. Yoshio Sako.
1982. Henry Gunther Mauer. B.A.'70, D.M.'74, University of Iowa.
Major: Surgery. Minor: Supporting Program. Thesis: Pharmacologic Reduction of Experimental Myocardial Infarct Size.
Major Adviser: Prof. R. L. Goodale.
1983. Philip Dana Schneider. B.A.'68, Stanford University; M.D.'72, St. Louis University.
Major: Surgery. Minor: Biochemistry. Thesis: The Effect of Modifying Host Plasma Cholesterol Levels Upon In Vivo Novikoff Tumor Growth and Host Rat Survival.
Major Adviser: Prof. Henry Buchwald.
1985. Nancy Louise Ascher. A.B. with high distinction '70, M.D. '74, University of Michigan.
Major: Surgery. Minor: Pathology. Thesis: Effector Mechanisms in Allograft Rejection.
Major Adviser: Prof. R. L. Simmons.
1985. Michael William Mulholland. B.A. '77, M.D. with distinction '78, Northwestern University.
Major: Surgery. Minor: Physiology. Thesis: Gastrin Cell and Somatostatin Cell Populations of the Stomach.
Major Adviser: Prof. J. P. Delaney.

Theriogenology

1979. John Paul Hurtgen. B.S.'70, D.V.M.'72, M.S.'76, University of Minnesota.
Major: Theriogenology. Minor: Supporting Program. Thesis: Seasonal Breeding Patterns in Female Swine.
Major Advisers: Profs. B. G. Crabo and A. D. Leman.
1979. Rolf Eric Larsen. B.A.'67, Valparaiso University; B.S.'69, D.V.M.'71, M.S.'77, University of Minnesota.
Major: Theriogenology. Minor: Animal Physiology. Thesis: Studies of Semen Parameters During Pseudorabies Infection in the Boar.
Major Advisers: Profs. B. G. Crabo and A. D. Leman.
1980. Mushtaq Ahmed Memon. B.V.Sc., B.Sc.'71, University of Punjab; M.Sc. with honours '74, University of Agriculture, Lyallpur.
Major: Theriogenology. Minor: Supporting Program. Thesis: Effects of Prostaglandins on Ram Spermatozoa.
Major Adviser: Prof. B. K. Gustafsson.
1981. Shirley Dianne Johnson Johnston. B.S. cum laude '63, University of Washington; D.V.M. cum laude '74, Washington State University; M.S.'77, University of Minnesota.
Major: Theriogenology. Minor: Supporting Program. Thesis: Steroid Regulation of the Canine Uterus.
Major Adviser: Prof. B. E. Seguin.
1981. Farhad Vahdat-Afshar. D.V.M.'72, Tehran University; M.S.'79, University of Minnesota.
Major: Theriogenology. Minor: Animal Science. Thesis: Factors Affecting Blood Progesterone Concentrations in Cattle.
Major Adviser: Prof. H. L. Whitmore.

* Ph.D in Surgery

Theriogenology

1982. Arun P. Phatak. B.V.S.'64, M.V.S.'65, University of Bombay; M.S.'78, University of Minnesota.

Major: Theriogenology. Minor: Animal Science. Thesis: Detection of Estrus in Dairy Cattle by Monitoring Behavioral Changes in Stanchion Barn and Free Stalls.

Major Adviser: Prof. Howard Whitmore.

1984. Frances Olivia Smith. B.S.'78, D.V.M.'80, University of Minnesota.

Major: Theriogenology. Minor: Supporting Program. Thesis: Cryopreservation of Canine Semen: Technique and Performance.

Major Adviser: Prof. S. D. Johnston.

1984. Prachin Virakul. B.Sc.'75, D.V.M.'77, Chulalongkorn University; M.S.'83, University of Minnesota.

Major: Theriogenology. Minor: Supporting Program. Thesis: Bovine Viral Diarrhea Virus and Early Reproductive Failure in Dairy Cattle.

Major Adviser: Prof. Raimunds Zemjanis.

1985. Hisham Ahmad Fahmi. B.V.M.S. '81, University of Baghdad.

Major: Theriogenology. Minor: Supporting Program. Thesis: Immunosuppressive Effect of Bovine Seminal Plasma and Follicular Fluid on Bovine Lymphocytes and Complement-Levels During the Estrous Cycle.

Major Adviser: Prof. S. D. Johnston.

1985. Harry Walter Momont. B.S.'74, University of Wisconsin; D.V.M.'78, University of Minnesota.

Major: Theriogenology. Minor: Supporting Program. Thesis: Reproductive Response Factors of Dairy Cattle Treated with Cloprostenol.

Major Adviser: Prof. B. E. Sequin.

1985. Brad Jay Thacker. D.V.M. '78, M.S. '82, University of Minnesota.

Major: Theriogenology. Minor: Supporting Program. Thesis: Observations on Porcine Parvovirus Infection and Immunity.

Major Adviser: Prof. A. D. Leman.

Veterinary Anatomy

1977. William Paul Ireland. D.V.M.'70, Cornell University.

Major: Veterinary Anatomy. Minor: Statistics. Thesis: Quantitative Studies of the Microvasculature in the Spinal Cord of the Dog.

Major Adviser: Prof. T. F. Fletcher.

1981. William Craig Cullen. B.A.'72, M.A.'76, Mankato State University.

Major: Veterinary Anatomy. Minor: Supporting Program. Thesis: Morphometry of Canine and Feline Urethrae.

Major Adviser: Prof. T. F. Fletcher.

1982. Vanda K. Sujarit. D.V.M.'73, Kasetsart University; M.S.'78, University of Minnesota.

Major: Veterinary Anatomy. Minor: Supporting Program. Thesis: A Nuclear Transplantation Study of Mutagenesis.

Major Adviser: Prof. A. F. Weber.

1983. Michael D. Bentley. B.S.'68, Central Michigan University; M.S.'73, University of Minnesota.

Major: Veterinary Anatomy. Minor: Animal Physiology. Thesis: The Kidney of the Mongolian Gerbil (*Meriones unguiculatus*): Morphology and Effect of Antidiuretic Hormone on the Collecting Duct System.

Major Adviser: Prof. C. M. Czarnecki.

Veterinary Medicine

1977. Uriel Ariza Pardo. D.V.M.'64, National University of Colombia; M.S.'70, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Evaluation of Methods for Diagnosis of Bovine Virus Diarrhea (BVD), Infectious Bovine Rhinotracheitis (IBR) and Parainfluenza₃ (PI₃) in Experimental and Natural Infections of the Bovine Species.

Major Adviser: Prof. D. W. Johnson.

1978. Marcio R. G. Kuchembuck. M.S.'71, Federal University of Mines; D.V.M.'67, University of Sao Paulo.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Immunological, Clinical and Pathological Studies in Bovine Experimental Listeriosis.

Major Adviser: Prof. D. W. Johnson.

1979. Somasekhariah Prasanna Kumar. B.V.Sc.'68, University of Agricultural Sciences, Bangalore; M.V.Sc.'70, U.P. Agricultural University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Potentiation of Cell-Mediated Immune Responses by Monocytes from Mycobacterium Bovis Sensitized and Normal Cattle.

Major Adviser: Prof. D. W. Johnson.

1980. Robert Louis Peiffer, Jr. B.S.'69, D.V.M.'71, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Physiologic and Anatomic Aspects of Aqueous Humor Outflow in Beagles with Inherited Glaucoma.

Major Adviser: Prof. G. W. Mather.

1980. Notowidjojo Wardjiman. Doktoral diploma '59, D.V.M.'60, Universitas Gadjahmada.

Major: Veterinary Medicine. Minor: Veterinary Surgery, Radiology and Anesthesiology. Thesis: The Development of Inactivated Bovine Viral Diarrhea (BVD) Vaccines: Determination of Optimum Cell Culture Techniques, Adjuvants and Neutralization Methods.

Major Adviser: Prof. D. K. Sorensen.

1981. Ali Akbar Azadegan. D.V.M.'73, University of Tehran; M.S.'78, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Development of Underagarose Migration Inhibitory Factor Assay of Bovine Leukocytes, Using Bruceella abortus Antigens and Immunomodulating Drugs.

Major Adviser: Prof. D. W. Johnson.

1981. David James Polzin. B.S. with honors '73, D.V.M. with high honors '75, University of Illinois.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Influence of Diet on Experimentally Produced Irreversible Ischemic Renal Failure in Dogs.

Major Adviser: Prof. C. A. Osborne.

1981. Prodjo Harjono Subronto. D.V.M.'61, Gadjah Mada University; M.S.'72, Michigan State University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Pharmacokinetic Studies of Suramin in Cattle.

Major Advisers: Profs. D. K. Sorensen and C. M. Stowe.

1982. Shehu Usman Abdullahi. D.V.M.'76, Ahmadu Bello University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Evaluation of a Calculolytic Diet in Dogs with Experimentally Induced Struvite Urolithiasis.

Major Adviser: Prof. C. A. Osborne.

1982. Ross Cutler. B.V.Sc.'72, University of Melbourne.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Porcine Parvovirus.

Major Adviser: Prof. A. D. Leman.

Veterinary Medicine

1982. Donald Richard Krawiec. B.S.'71, Colorado State University; M.S.'73, D.V.M.'78, Purdue University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Development and Characterization of Monoclonal Antibodies with Specificities to Canine T-Cell Surface Antigens.

Major Adviser: Prof. C. C. Muscoplat.

1982. Enrique Eduardo Rieger. D.V.M.'76, Universidad de Chile.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Calf Diarrhea Coronavirus: Studies for the Detection and Isolation of the Virus.

Major Adviser: Prof. C. C. Muscoplat.

1983. David Paul Bane. B.S. with honors '74, B.S.'76, D.V.M.'78, University of Illinois.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Seasonal Infertility in Gilts: Examination of Reproduction and Associated Infectious Diseases During Summer Months.

Major Adviser: Prof. A. D. Leman.

1983. Harvey Dixon Hilley. B.S. summa cum laude '74, D.V.M. summa cum laude '75, Texas A & M University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Osteoarthritis and Osteochondrosis in the Pig.

Major Advisers: Profs. A. D. Leman and D. K. Sorensen.

1983. Barbara Elizabeth Straw. B.S.'74, D.V.M.'76, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Effect of Animal Factors, Management, and Disease on Productivity of Finishing Pigs.

Major Adviser: Prof. A. D. Leman.

1984. Hayder Badri Abboud. B.V.S.'74, University of Baghdad; M.S.'81, University of Missouri.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Studies on the Susceptibility of Antibiotic-Exposed Pasteurella Multocida to Phagocytosis and Killing by Bovine Polymorphonuclear Leukocytes.

Major Adviser: Prof. V. L. Larson.

1984. John Christopher Baker. B.S.'73, M.S.'75, D.V.M.'80, The Ohio State University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Studies on the Bovine Respiratory Syncytial Virus.

Major Adviser: Prof. V. L. Larson.

1984. Michael Antony Hill. B.Vet.Med.'71, University of London; M.S.'83, University of Minnesota.

Major: Veterinary Medicine. Minor: Veterinary Pathology. Thesis: Observations on the Skeletons of Young Commercial Pigs with Reference to Dyschondroplasias Including That Called Osteochondrosis.

Major Advisers: Profs. A. D. Leman and G. R. Ruth.

1984. Robert Barclay Morrison. B.S.'75, D.V.M.'79, University of Saskatchewan.

Major: Veterinary Medicine. Minor: Epidemiology. Thesis: An Epidemiologic Investigation into Enzootic Pneumonia of Swine.

Major Adviser: Prof. A. D. Leman.

1984. Halit Hami Oz. D.V.M.'77, University of Istanbul; M.S.'81, University of Illinois.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Analysis of Growth Rate of Gram Positive Mastitic Pathogenic Bacteria Entering Bulk Tank at Different Milkings.

Major Adviser: Prof. R. J. Farnsworth.

1985. L. Kirk Clark. D.V.M. '65, Purdue University.

Major: Veterinary Medicine. Minor: Animal Science. Thesis: Factors that Influence Litter Size in Pigs.

Major Adviser: Prof. A. D. Leman.

Veterinary Medicine

1985. George Edward Heath. B.S. '58, Virginia State College; D.V.M. '66, Tuskegee Institute; M.S. '69, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: The Pharmacokinetics of Neomycin in the Serum of Calves and Young Cross-Bred Swine.

Major Adviser: Prof. C. M. Stowe.

1985. Sunchai Luxsanakoses. D.V.M. '71, Kasetsart University; M.S. '76, Iowa State University.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Effect of Electro-Acupuncture in the Cow on Nociception and B-Endorphin.

Major Adviser: Prof. E. A. Usenik.

1986. William Ernest Marsh. B.S. second class honors '76, The University of Reading; M.S. '82, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: Economic Decision Making on Health and Management in Livestock Herds: Examining Complex Problems Through Computer Simulation.

Major Adviser: Prof. R. S. Morris.

1986. Thomas Edward Stein. B.S. high honors '76, D.V.M. honors '78, University of Illinois; M.S. '84, University of Minnesota.

Major: Veterinary Medicine. Minor: Supporting Program. Thesis: The Computer as the Core of Health Management in Food Animal Populations.

Major Adviser: Prof. R. S. Morris.

Veterinary Microbiology

1976. Satish Chandra Nivas. B.V.Sc. & A.H. '60, Bihar University; M.S. '53, Kansas State University; M.S. '69, University of Wisconsin; M.P.H. '72, University of Minnesota.

Major: Veterinary Microbiology. Minor: Epidemiology. Thesis: Salmonellae and E. Coli Isolated from Turkey Processing Plants, Their Antibiotic Sensitivity Patterns and the Transfer of Drug Resistance.

Major Adviser: Prof. B. S. Pomeroy.

1977. Charles John Smith. B.S. '61, D.V.M. '63, University of Minnesota.

Major: Veterinary Microbiology. Minor: Biochemistry. Thesis: Studies on the Chemotactic Response of Bovine Polymorphonuclear Leucocytes.

Major Adviser: Prof. K. I. Loken.

1978. Cindy Jean Brunner. B.S. '74, University of Minnesota.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Investigation of the Blastogenic Response of Bovine Lymphocytes Activated by Oxidation with Sodium Periodate.

Major Adviser: Prof. D. W. Johnson.

1978. Suresh Kumar Dua. B.V.Sc. & A.H. '65, J. Nehru Krishi V.V.;

M.V.Sc. '67, Agra University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies on the Nature of Immunity Induced by Various Pasteurella Multocida Vaccines in Turkeys.

Major Adviser: Prof. S. K. Maheswaran.

1978. John Baligwamunsi Kaneene. B.V.Sc. '72, University of Khartoum; M.P.H. '75, University of Minnesota.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies of Cell-Mediated Immunological Responses of Cattle Exposed to Brucella Abortus and Brucella melitensis.

Major Advisers: Profs. R. K. Anderson and D. W. Johnson.

1979. Ker-Sang Chen. B.Pharm. '70, Taipei Medical College; M.S. '73, North Dakota State University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: BVD Virus: Improved Methods of Culture, Neutralization and Vaccination with Inactivated Virus.

Major Adviser: Prof. D. W. Johnson.

Veterinary Microbiology

1979. Calvert Therald Larsen. B.S.'56, D.V.M.'58, Colorado State University.
Major: Veterinary Microbiology. Minor: Public Health. Thesis: The Etiology of Bluecomb Disease of Turkeys.
Major Adviser: Prof. B. S. Pomeroy.
1980. David William Hird. A.B. with distinction '64, Stanford University; D.V.M.'68, M.P.V.M.'73, University of California, Davis.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Epidemiologic Studies of the Relation of Well Water Source to Dairy Cattle Health and Productivity in Fillmore County, Minnesota.
Major Adviser: Prof. R. A. Robinson.
1980. Kakambi Veerappa Nagaraja. B.V.S.'66, M.V.Sc.'69, University of Agricultural Sciences.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Immune Response of Turkeys Against Turkey Coronaviral Enteritis (Bluecomb).
Major Adviser: Prof. B. S. Pomeroy.
1980. Vaithianathan Sivanandan. B.V.S.'65, University of Ceylon; M.S.'76, University of Minnesota.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies on the Cellular and Humoral Elements of the Immune System from both Healthy and Infectious Bursal Disease Virus (IBDV) Infected Chickens.
Major Adviser: Prof. S. K. Maheswaran.
1981. Abiodun Adewale Adesiyun. D.V.M.'76, Ahmadu Bello University; M.P.H.'78, University of Minnesota.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Public Health Significance of Staphylococcus hyicus and Intracellular Staphylococcal Enterotoxins in Foods.
Major Adviser: Prof. S. R. Tatini.
1981. Consuelo Baluyut. D.V.M.'69, University of the Philippines; D.V.P.H.'75, Massey University of New Zealand.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Interactions of Pasteurella Hemolytica with Bovine Neutrophils: Identification and Partial Characterization of a Cytotoxin.
Major Adviser: Prof. R. A. Robinson.
1981. Huchappa Gowda Jayappa. B.V.S.'72, M.V.S.'75, University of Agricultural Sciences.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: The Effects of Several Chemotherapeutic Agents on Bovine Polymorphonuclear Leukocyte Function.
Major Adviser: Prof. K. I. Loken.
1981. Dhanirat Santivatr. D.V.M.'72, Kasetsart University; M.S.'77, University of Minnesota.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies on Strain Susceptibility of Chickens to Infectious Bursal Disease Virus.
Major Adviser: Prof. B. S. Pomeroy.
1981. Randy R. Simonson. B.S.'74, California Polytechnic State University.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Haemophilus Somnus Disease in Cattle: Studies on Chemotyping and on the Interaction Between the Host Humoral Factors and Surface Virulent Factors of the Organism.
Major Adviser: Prof. S. K. Maheswaran.
1982. Ramesh Kumar Akkina. B.V.S. with first class honor '72, Andhra Pradesh Agricultural University.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Analysis of Immunogenic Determinants of Bovine Viral Diarrhea Virus.
Major Advisers: Profs. C. S. Muscoplat and R. E. Shope.

Veterinary Microbiology

1982. Wensi Stanley Hu. B.S.'72, Fu Jen Catholic University; M.S.'78, University of Rhode Island.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies of Purification Methods, Immunity and Response of Turkeys to Adenovirus (NC-120) Infection.

Major Adviser: Prof. B. S. Pomeroy.

1982. Monir Sadat Lashgari. B.V.M.'73, University of Tehran; M.S.'79, University of Minnesota.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Development of a Hemagglutination Test for Detection of Coronavirus Respiratory Infection of Chickens.

Major Adviser: Prof. J. A. Newman.

1983. Thomas William Molitor. B.A. magna cum laude '76, College of St. Thomas; M.S.'78, North Dakota State University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Molecular, Immunological and Pathogenic Properties of Porcine Parvovirus.

Major Adviser: Prof. C. C. Muscoplat.

1983. John Opuda-Asibo. B.V.M.'77, Makerere University; M.P.H.'80, University of Minnesota.

Major: Veterinary Microbiology. Minor: Public Health. Thesis: Expression of Humoral Immunologic Mechanisms Against Pasteurella Haemolytica in the Bovine Lung.

Major Adviser: Prof. S. K. Maheswaran.

1983. Wallapa Nunbhakdi Santivatr. D.V.M.'73, Kasetsart University; M.S.'78, University of Minnesota.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Competitive Exclusion: Further Study on the Use of Fresh and Frozen Cecal Material, Routes of Administration and Different Ages of Donors Combined with Vaccination to Control Salmonellosis in Turkeys.

Major Adviser: Prof. B. S. Pomeroy.

1983. Bashir Hamid Teirab. B.V.S.'66, University of Khartoum; M.S.'77, Kansas State University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Antigenic and Serological Comparison of BVD Virus Isolates.

Major Adviser: Prof. J. A. Newman.

1984. Albert Surendran Abraham. B.V.S. with first class honors and distinctions '78, Tamil Nadu Agricultural University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Comparative Serological Evaluation of Avian Influenza Vaccination in Turkeys.

Major Adviser: Prof. J. A. Newman.

1984. Patrick John Frenchick. B.S.'75, University of Minnesota.

Major: Veterinary Microbiology. Minor: Biochemistry. Thesis: Immunologic and Pathogenic Aspects of Brucella species.

Major Adviser: Prof. C. C. Muscoplat.

1984. Daniel Karunakaran. B.V.S.'77, Tamil Nadu Agricultural University; M.S.'80, M.P.H.'83, University of Minnesota.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Studies on the Diagnosis and Control of Influenza Virus Infection of Turkeys.

Major Adviser: Prof. J. A. Newman.

1985. Chitralekha Edwin. B.S. with honors '74, M.S. '76, Bangalore University.

Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Production and Characteristics of Monoclonal Antibodies Against Staphylococcal Enterotoxin A.

Major Adviser: Prof. S. R. Tatini.

Veterinary Microbiology

1985. Charles Joseph Kelleher, Jr. B.S. '76, University of Delaware; M.S. '79, University of California, Davis.
Major: Veterinary Microbiology. Minor: Supporting Program. Thesis: Newcastle Disease of Domestic Turkeys: Epizootiology and Immunization Studies.
Major Adviser: Prof. J. A. Newman.

1985. Wilaiwan Suphabphant. B.S. '71, Chiangmai University; M.S. '80, University of Minnesota.
Major: Veterinary Microbiology. Minor: Botany. Thesis: Studies on Piliation and Colonization of the Three Strains of Salmonellae and Escherichia Coli Strain 078 in Digestive Tract of Young Turkeys by Electron Microscopy and Indirect Fluorescent Antibody Techniques.
Major Adviser: Prof. B. S. Pomeroy.

Veterinary Parasitology

1981. Charles Mackey Hendrix. B.S. '74, Clemson University; D.V.M. '74, University of Georgia; M.S. '78, University of Minnesota.
Major: Veterinary Parasitology. Minor: Supporting Program. Thesis: The Development of Dirofilaria immitis in the Mosquito Intermediate Host.
Major Advisers: Profs. W. J. Bemrick and J. C. Schlotthauer.

1985. Helieh Saatara Oz. D.V.M. '76, University of Tehran; M.S. '80, University of Illinois.
Major: Veterinary Parasitology. Minor: Supporting Program. Thesis: Studies on the Immunity and Induced Altered Morphological Characteristics of Various Species of the Apicomplexan Genus Eimeria.
Major Advisers: Profs. W. J. Bemrick and B. E. Stromberg.

Veterinary Pathology

1979. Keith Averill Johnson. B.S. with high distinction '66, D.V.M. '68, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Studies on the Role of the Microvasculature in Foreign Body Tumorigenesis.
Major Adviser: Prof. K. H. Johnson.

1979. Jorge Amable Soto. Medico Veterinario '65, Universidad Central de Venezuela; M.S. '72, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Campylobacter Sputorum Subspecies Mucosalis Enteritis of Pigs. A Transmission and Scanning Electron Microscopic Study.
Major Adviser: Prof. H. J. Kurtz.

1981. Gary Allen Weaver. B.S. '68, Northern Illinois University; B.S. '72, D.V.M. '74, University of Illinois.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Experimental Mycotoxicoses in Food-Producing Animals.
Major Adviser: Prof. H. J. Kurtz.

1981. Barry L. Yano. B.S. with high distinction '70, D.V.M. '72, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Feline Insular Amyloid.
Major Advisers: Profs. K. H. Johnson and D. W. Hayden.

1983. Carol Beth Grindem. D.V.M. with distinction '75, Iowa State University.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Morphologic, Cytochemical and Cytogenetic Characterization of Dog and Cat Leukemic Cells.
Major Adviser: Prof. Victor Perman.

Veterinary Pathology

1983. Bruce Dean Hultgren. B.S. with high distinction '72, D.V.M.'74, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Inherited, Chronic, Progressive Hepatic Degeneration in Bedlington Terriers With Elevated Liver Copper Concentrations.
Major Adviser: Prof. J. B. Stevens.

1985. Kechen Chang. B.Sc. '75, National Chung-Hsing University; M.S. '78, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: The Association of Campylobacter Hyointestinalis and Campylobacter Sputorum Subspecies Mucosalis with Proliferative Enteritis of Swine.
Major Adviser: Prof. H. J. Kurtz.

1985. Timothy David O'Brien. B.S. with high distinction '76, D.V.M. '78, University of Minnesota.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: Pathogenesis of the Feline Insular Amyloidosis/Diabetes Mellitus Complex.
Major Advisers: Profs. D. W. Hayden and K. H. Johnson.

1986. Joseph Shelton Haynes. D.V.M. summa cum laude '79, University of Missouri.
Major: Veterinary Pathology. Minor: Cell and Developmental Biology. Thesis: Studies on the Pathogenesis of Fusarium-Induced Tibial Dyschondroplasia.
Major Advisers: Profs. M. M. Walser and K. H. Johnson.

1986. Alan Lee Metz. B.S. with high honors '76, D.V.M. '78, Michigan State University.
Major: Veterinary Pathology. Minor: Supporting Program. Thesis: The Interaction of Dietary Vitamin A and Vitamin D in the Turkey Poults.
Major Advisers: Profs. M. M. Walser and K. H. Johnson.

Veterinary Physiology and Pharmacology

1980. Patrick Thomas Redig. B.A.'70, St. Cloud State College; D.V.M.'74, University of Minnesota.
Major: Veterinary Physiology and Pharmacology. Minor: Supporting Program. Thesis: The Differential Diagnosis and Treatment of Aspergillosis in Birds.
Major Adviser: Prof. G. E. Duke.

1985. Peter James O'Brien. B.S. '77, York University.
Major: Veterinary Physiology and Pharmacology. Minor: Biochemistry. Thesis: Membrane Defect in Porcine Malignant Hyperthermia.
Major Adviser: Prof. C. F. Louis.

Veterinary Surgery, Radiology, and Anesthesiology

1983. Erastus Orseer Gyang. D.V.M.'72, Ahmadu Bello University; M.S.'76, Kansas State University.
Major: Veterinary Surgery, Radiology, and Anesthesiology. Minor: Supporting Program. Thesis: Studies on Selective Lymphocyte and Neutrophil Functions of Cows with Left Displaced Abomasum and Effects of Surgery and Levamisole on Lymphocyte and Neutrophil Functions.
Major Adviser: Prof. E. A. Usenick.

1985. John Stephen Onapito. B.V.M. '73, University of Nairobi; M.S. '76, University of Pennsylvania.
Major: Veterinary Surgery, Radiology, and Anesthesiology. Minor: Supporting Program. Thesis: An Evaluation of the Role of Intramuscular Compartmental Pressure in the Pathogenesis of the Downer Cow Syndrome.
Major Adviser: Prof. L. J. Wallace.

PHYSICAL SCIENCES POLICY AND REVIEW COUNCIL

Aerospace Engineering

1977. Anthony Lee Wright. B.S.M.E.'71, Carnegie-Mellon University; M.S. Aero.E. '73, University of Minnesota.

Major: Aerospace Engineering. Minor: Supporting Program. Thesis: Free-Molecule Flow in Porous Glass.

Major Advisers: Profs. A. S. Berman and Stephen Prager.

1979. James Theodore Bradford. B.Aero.E. & M. with high distinction '74, M.S.Aero.E. '77, University of Minnesota.

Major: Aerospace Engineering. Thesis: Nongeostrophic Baroclinic Instability of Two Fluids.

Major Advisers: Profs. A. S. Berman and T. S. Lundgren.

1983. Cheukhung Andrew Cheng. B.S.E.'78, National Taiwan University; M.S.Aero.E.'81, University of Minnesota.

Major: Aerospace Engineering. Minor: Supporting Program. Thesis: Self-Induced Asynchronous Instability in a Partially Filled Rotating Centrifuge on an Elastic Support System.

Major Advisers: Profs. A. S. Berman and T. S. Lundgren.

Agricultural Engineering

1978. Vernon Milo Meyer. B.S.Ag.E.'51, M.S.Ag.E.'55, University of Minnesota.

Major: Agricultural Engineering. Minor: Statistics. Thesis: The Effect of Retention Time on Aerobic Beef Waste Treatment.

Major Adviser: Prof. E. R. Allred.

1979. Winit Chinsuwan. B.Eng.'73, Khonkaen University; M.Sc.'76, University of Manitoba.

Major: Agricultural Engineering. Thesis: Evaluation of the Stripping Concept for Harvesting Wild Rice.

Major Adviser: Prof. C. E. Schertz.

1979. Ian Donald Moore. B.E. with honors '73, Monash University.

Major: Agricultural Engineering. Thesis: Infiltration into Tillage Affected Soils.

Major Adviser: Prof. C. L. Larson.

1980. Mohammed Azron Dhalhar. IR '68, Institut Pertanian Bogor; M.S.'73, University of Minnesota.

Major: Agricultural Engineering. Thesis: Use of the Buffered and Covered Plots Method for Evaluating Water Requirements of a Rice Paddy.

Major Adviser: Prof. E.R. Allred.

1980. Howard Lee Person. B.S.'70, M.S.'72, Iowa State University.

Major: Agricultural Engineering. Thesis: The Anaerobic Filter for Treating Liquid Swine Wastes.

Major Adviser: Prof. P.R. Goodrich.

1981. Francis I Idike. B.S.'74, Punjab Agricultural University; M.S.'77, University of Minnesota.

Major: Agricultural Engineering. Thesis: Modeling the Effects of Conservation Practices on Soil Moisture.

Major Adviser: Prof. C.L. Larson.

1983. Larry Dean Jacobson. B.Ag.E. with high distinction '72, M.S.Ag.E.'74, University of Minnesota.

Major: Agricultural Engineering. Minor: Supporting Program. Thesis: Validation of a Swine Growth Model for Early-Weaned Pigs.

Major Adviser: Prof. K. A. Jordan.

Agricultural Engineering

1984. Atjeng Muchlis Syarief. Sardjana '74, Bogor Agricultural University; M.S.Ag.E.'82, University of Minnesota.
Major: Agricultural Engineering. Minor: Supporting Program. Thesis: A Study of Moisture Diffusion Coefficients for Yellow-Dent Corn Kernel (Zea mays L.).
Major Advisers: Profs. R. V. Morey and R. J. Gustafson.

1984. Hal David Werner. B.S.'70, M.S.'71, South Dakota State University.
Major: Agricultural Engineering. Minor: Supporting Program. Thesis: Infrared Thermometry to Evaluate Crop Water Status in a Subhumid Climate.
Major Advisers: Profs. E. R. Allred and D. C. Slack.

1985. Charles James Clanton. B.S.Ag.E. '76, B.S.Ag. '77, M.S. '79, University of Nebraska, Lincoln.
Major: Agricultural Engineering. Minor: Supporting Program. Thesis: Adaptation of the NTRM Model for Land Application of Wastewater.
Major Advisers: Profs. D. C. Slack and P. R. Goodrich.

1985. Chung-Teh Sheng. B.S.Agr. '78, National Taiwan University.
Major: Agricultural Engineering. Minor: Supporting Program. Thesis: Mass Transfer Coefficients for Corn Kernels in Drying.
Major Adviser: Prof. R. J. Gustafson.

1986. Mary Leigh Wolfe. B.S.Ag. cum laude '79, Virginia Polytechnic Institute and State University.
Major: Agricultural Engineering. Minor: Supporting Program. Thesis: Predicting Infiltration Into Tilled Soils Subject to Surface Sealing and Consolidation Using a Green-Ampt Model.
Major Adviser: Prof. C. L. Larson.

Analytical Chemistry

1982. James Warren Wilson. B.S.'65, Rochester Institute of Technology.
Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Equilibria in Chlorobenzene.
Major Adviser: Prof. Stanley Bruckenstein.

Astrophysics

1979. Jeffery John Puschell. B.A. with general honors '75, University of Chicago.
Major: Astrophysics. Thesis: The Origin and Relationship of the Radio, Infrared Visual Radiation from Compact Nonthermal Sources.
Major Adviser: Prof. W. A. Stein.

1982. Ralph Fiedler. B.S.'77, Massachusetts Institute of Technology.
Major: Astrophysics. Minor: Supporting Program. Thesis: Stability of Astrophysical Jets.
Major Adviser: Prof. T. W. Jones.

1984. Seung-Urn Choe. B.S.'76, M.S.'78, Seoul National University.
Major: Astrophysics. Minor: Supporting Program. Thesis: Herbig-Haro and Related Objects: Their Formation and Evolution in Protostellar Bipolar Outflows.
Major Adviser: Prof. T. W. Jones.

1985. Marc Philip Ondrechen. B.S. with high distinction '79, University of Virginia.
Major: Astrophysics. Minor: Supporting Program. Thesis: The Distribution and Kinematics of Neutral Hydrogen Gas and The Radio Continuum Emission in Barred Spiral Galaxies.
Major Adviser: Prof. R. C. Kennicutt.

Biomedical Engineering

1977. Robert Patrick Patterson. B.E.E.'62, M.S.E.E.'65, University of Minnesota.

Major: Biomedical Engineering. Minor: Electrical Engineering. Thesis: The Physiological Response to Time Varying Work Loads.

Major Adviser: Prof. F. M. Waltz.

1978. Ephraim Bar-Yishay. B.S.Mech.Eng.'73, Neward College of Engineering.

Major: Biomedical Engineering. Minor: Supporting Program. Thesis: Factors Determining Maximal Expiratory Flows in the Human Lung.

Major Adviser: Prof. T. A. Wilson.

1978. Michael John Kallok. B.S.'70, University of Colorado; M.S.'74, Purdue University.

Major: Biomedical Engineering. Minor: Supporting Program. Thesis: Gravitational Deformation and Ventilation Distribution in Excised Lobes of Dog Lungs.

Major Adviser: Prof. T. A. Wilson.

1979. Bagher Amirvand. B.S.E.E.'73, University of Washington; M.S.'75, University of Minnesota.

Major: Biomedical Engineering. Minor: Computer and Information Sciences. Thesis: Analysis and Quantification of Asynchronous Myocardial Contraction.

Major Advisers: Profs. F. M. Waltz and Richard Moore.

1979. Mark Turner Rise. B.S.'74, M.S.'76, University of Iowa.

Major: Biomedical Engineering. Minor: Physiology. Thesis: An Ultrasonic Bladder-Volume Sensor for Management of the Neurologically Impaired Bladder.

Major Advisers: Profs. W. E. Bradley and D. A. Frohrib.

1980. Kenneth L. Dreher. B.S. magna cum laude '71, Bemidji State College.

Major: Biomedical Engineering. Thesis: Induced Rigidity of Erythrocyte Membranes: A Mechanical and Chemical Assessment.

Major Adviser: Prof. P. L. Blackshear.

1980. Keith Lowell Monson. B.Met.E. with distinction '73, University of Minnesota.

Major: Biomedical Engineering. Minor: Chemical Engineering. Thesis: Subcellular X-Ray Microanalysis of Freeze-Dried Rat Soleus Muscle.

Major Advisers: Profs. H. T. Davis and P. L. Blackshear.

1981. Yoram Rapoport. B.S.'76, Ben Gurion University.

Major: Biomedical Engineering. Minor: Mechanical Engineering. Thesis: Biomechanical Examination of Fracture Reduction of the Femoral Shaft Using Intramedullary Nails.

Major Adviser: Prof. D. A. Frohrib.

1982. Said Meshkat-Razavi. B.S.'78, Tehran Polytechnique; M.S.E.E.'80, University of Minnesota.

Major: Biomedical Engineering. Minor: Electrical Engineering. Thesis: Neuromuscular Servo-Mechanism and an Inverse Optimization Problem Involving Forearm Movement.

Major Adviser: Prof. F. M. Waltz.

1983. William Joseph Drasler. B.S.Ch.E. with distinction '72, University of Illinois; M.S.Ch.E.'73, University of Wisconsin.

Major: Biomedical Engineering. Minor: Chemical Engineering. Thesis: Viscoelastic Properties of the Normal and Sickled Erythrocyte Membrane.

Major Adviser: Prof. K. H. Keller.

1984. Rajgopal S. Acharya. B.E. with first class honors '78, Bangalore University; M.S.'81, University of Minnesota.

Major: Biomedical Engineering. Minor: Electrical Engineering. Thesis: A Time Domain Signal Processing Approach to Improve Reconstructions of Moving Objects Using High Speed Computed Tomography.

Major Advisers: Profs. R. K. Hobbie and H. M. Wechsler.

Biomedical Engineering

1985. David Allan Preves. B.S.E.E. '63, M.S.E.E. '65, University of Illinois.
Major: Biomedical Engineering. Minor: Electrical Engineering. Thesis: Evaluation of Phase Compensation for Enhancing the Signal Processing Capabilities of Hearing Aids in Situ.
Major Adviser: Prof. R. E. Poppele.

Biophysical Sciences

1982. Janusz Krzysztof Kosicki. Diploma '77, Technical University of Warsaw.
Major: Biophysical Sciences. Minor: Supporting Program. Thesis: Impedance Cardiographic Model.
Major Adviser: Prof. Eugene Ackerman.

1982. Jeffrey Ford Williamson. B.A. '74, St. Olaf College; M.S. '80, University of Minnesota.
Major: Biophysical Sciences. Minor: Supporting Program. Thesis: Calibration of Gamma-Ray Brachytherapy Sources.
Major Adviser: Prof. F. M. Khan.

1983. Juong Gile Rhee. B.S. '70, M.S. '75, Seoul National University.
Major: Biophysical Sciences. Minor: Supporting Program. Thesis: Thermotolerance of Mouse Mammary Carcinoma.
Major Adviser: Prof. C. W. Song.

1985. Terrance Neal Teslow. B.Math. '74, M.S. '81, University of Minnesota.
Major: Biophysical Sciences. Minor: Supporting Program. Thesis: Quantitative Assessment of Myocardial Perfusion Using Dynamic Three-Dimensional X-Ray Computed Angiography.
Major Adviser: Prof. R. A. Robb.

1986. Lisa Julie Brown-Ewing. B.S.E. '75, Southern Illinois University; M.S. '82, University of Minnesota.
Major: Biophysical Sciences. Minor: Supporting Program. Thesis: The Development of an Early Detection and Intervention Criterion for Cystic Fibrosis Patient Clinical Status Based on Home Monitoring Data.
Major Adviser: Prof. S. M. Finkelstein.

Biophysics

1979. Joseph Robert Giganti. B.S. '63, University of Maryland; B.S.Pharm. with high honors '66, M.S. '67, University of Florida.
Major: Biophysics. Minor: Supporting Program. Thesis: An Interactive Procedure for Automating the Selection of Radiotherapy Treatment Plans.
Major Advisers: Profs. F. M. Khan and M. K. Loken.

1979. James Joseph O'Leary. B.A. summa cum laude '69, College of St. Thomas.
Major: Biophysics. Minor: Supporting Program. Thesis: Kinetics of Human Lymphocyte Response.
Major Adviser: Prof. Andreas Rosenberg.

Chemical Engineering

1976. Louis Andrew Delgado. B.S.Ch.E. with high honors '72, University of Florida.
Major: Chemical Engineering. Minor: Computer and Information Sciences. Thesis: Mass Loss from Polyvinyl Chloride Subjected to High Energy Electron Radiation During X-Ray Microanalysis.
Major Adviser: Prof. T. E. Hutchinson.

1976. George Christopher Martin. B.S.Chem.Eng. with distinction '70, Purdue University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: A Study of Fracture in Glassy Polymers.
Major Adviser: Prof. W. W. Gerberich.

Chemical Engineering

1976. John VanDerbeek Maxham. B.S.Ch.E.'69, Massachusetts Institute of Technology; M.S.'70, Rutgers State University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Bacterial Growth on Polymeric Substrates in the Activated Sludge Process.
Major Adviser: Prof. Rutherford Aris.

1976. Franklin Mattes Orr, Jr. B.S.Ch.E.'69, Stanford University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Numerical Simulation of Viscous Flow with a Free Surface.
Major Adviser: Prof. L. E. Scriven.

1976. Nicolas Xystris. Diploma '69, National Technical University of Athens.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Mass and Momentum Transport in Reacting Fluids.
Major Adviser: Prof. J. S. Dahler.

1977. Luis Ernesto Arri. Chem.Eng.'71, Universidad Nacional del Litoral.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Model Studies on Moving Bed Reactors: The Lurgi Coal Gasifier.
Major Adviser: Prof. N. R. Amundson.

1977. Antonio M. F. L. J. Bonomi. Chem.Eng.'71, Escola de Engenharia Maua.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Optimization of Fermentation Processes.
Major Adviser: Prof. A. M. Tsuchiya.

1977. Mark Eric Brown. B.S. with high distinction '70, Worcester Polytechnic Institute.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Sublethal Damage of Erythrocytes: Effect of Hyperbaric Pressures and Ultracentrifugal Fields.
Major Adviser: Prof. K. H. Keller.

1977. Hugo Simon Caram. Chem.Eng.'67, University of Buenos Aires.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Studies in Fluidized Bed Gasification Reactors.
Major Adviser: Prof. N. R. Amundson.

1977. Robert Walter McCabe. B.S.Ch.E. magna cum laude '72, University of Houston; M.S.Ch.E.'73, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Adsorption of CO and H₂ on Single Crystal Planes of Pt.
Major Adviser: Prof. L. D. Schmidt.

1977. Richard James McCluskey. B.Ch.E. with honors '69, University of Delaware.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Collisional Stabilization of Chemically Activated Molecules.
Major Adviser: Prof. R. W. Carr.

1977. Manfred Morari. Dip.'74, Swiss Federal Institute of Technology.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Studies in the Synthesis of Control Structures for Chemical Processes.
Major Adviser: Prof. George Stephanopoulos.

1977. Stephen Jack Willey. B.S.'71, Cornell University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Characterization and Rheology of Polyvinyl Chloride Plasticsols.
Major Adviser: Prof. C. W. Macosko.

1978. Maria Flytzani-Stephanopoulos. Dipl.Chem.Eng.'73, National Technical University of Athens; M.S.'75, University of Florida.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Surface Morphology of Platinum Catalysts and Oscillations in Ammonia Oxidation on Platinum.
Major Adviser: Prof. L. D. Schmidt.

Chemical Engineering

1978. Henry James Grimm. B.S.Ch.E.'73, University of Houston.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Chlorination of Irradiated Polyethylene Single Crystals.
Major Adviser: Prof. E. L. Thomas.
1978. James Charles Hatfield. B.S.Ch.E. with honors '70, M.S.'73, University of Colorado.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Electron Microscopy and Electrical Conductivity of Microemulsion.
Major Adviser: Prof. L. E. Scriven.
1978. Sheng-Tai Lee. B.S.E.'70, National Taiwan University; M.Eng.'74, Stevens Institute of Technology.
Major: Chemical Engineering. Minor: Mathematics. Thesis: A Theoretical Study on Oxidative Catalytic Monoliths.
Major Adviser: Prof. Rutherford Aris.
1978. John Robert Ligon. B.S.'72, Louisiana State University.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Stochastic Modeling of Fluidized Bed Reactors.
Major Adviser: Prof. N. R. Amundson.
1978. Jeffrey Howard Schott. B.Ch.E. with distinction '70, M.S.'74, University of Minnesota.
Major: Chemical Engineering. Minor: Mechanical Engineering. Thesis: Particle Motion in a Turbulent Fluid.
Major Adviser: Prof. W. E. Ranz.
1978. Christian Seigneur. dipl. d'Ing. '74, Ecole Nationale Supérieure de Chimie.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Analysis of Air Pollution Models.
Major Adviser: Prof. R. W. Carr.
1978. Louis Seiler, Jr. B.S. with honors '67, University of California, Berkeley; M.S.'69, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Asymmetric Steady State: Experimental Verification and Application to a Model Active Transport System.
Major Adviser: Prof. K. H. Keller.
1978. Gregory N. Stephanopoulos. Dipl.Chem.Eng. '73, National Technical University of Athens; M.S.'75, University of Florida.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Modelling of the Dynamics of Interacting Microbial Populations: Extinction Probabilities in a Stochastic Competition and Predation.
Major Advisers: Profs. Rutherford Aris and A. G. Fredrickson.
1978. Enrique Marcelo Valles. Ing. Químico '70, Universidad Nacional del Sur, Argentina.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Rheology and Mechanical Properties of a Network Forming Polydimethylsiloxane System.
Major Adviser: Prof. C. W. Macosko.
1978. Nien-Hwa Linda Wang. B.S.'71, National Taiwan University; M.S.'73, University of Wyoming.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Effect of Shear Motion on the Mass Transport Properties of Erythrocyte Suspensions.
Major Adviser: Prof. K. H. Keller.

Chemical Engineering

1978. Charles Victor Wittmann. Diplome d'Ingenieur '70, Ecole Nationale Supérieure de Chimie; M.S.Ch.E.'71, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Models for Coal Devolatilization Producing Char Tars and Gases.
Major Adviser: Prof. N. R. Amundson.
1979. Yaman Arkun. B.S.'74, University of Bosphorous; M.S.Ch.E.'76, University of Minnesota.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Design of Steady-State Optimizing Control Structures for Chemical Processes.
Major Adviser: Prof. George Stephanopoulos.
1979. John W. Blieszner. B.S.Ch.E.'74, Northwestern University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Kinetics of Biomolecular Reactions on Platinum.
Major Adviser: Prof. L. D. Schmidt.
1979. Robert Arthur Brown. B.S. with highest honors '73, University of Texas.
Major: Chemical Engineering. Minor: Mathematics. Thesis: The Shape and Stability of Three-Dimensional Interfaces.
Major Adviser: Prof. L. E. Scriven.
1979. Raul Alberto Caretta. Ingeniero Químico '74, Universidad Nacional del Sur.
Major: Chemical Engineering. Thesis: Optical Reflectance Studies of Adsorption and Reaction on Platinum.
Major Adviser: Prof. L. D. Schmidt.
1979. Bruce Stanley Carey. B.S. with distinction '74, Stanford University.
Major: Chemical Engineering. Thesis: The Gradient Theory of Fluid Interfaces.
Major Adviser: Prof. H. T. Davis.
1979. Elias I. Franses. Diploma '74, National Technical University of Athens.
Major: Chemical Engineering. Thesis: Phase Behavior and Interfacial Tension Studies of Surfactant Systems.
Major Adviser: Prof. L. E. Scriven.
1979. Wayne Arthur Gifford. B.S.'68, Clarkson College of Technology; M.S.'70, University of Minnesota.
Major: Chemical Engineering. Minor: Mathematics. Thesis: The Shape and Stability of Charged, Rotating Liquid Drops.
Major Adviser: Prof. L. E. Scriven.
1979. Horacio Antonio Irazoqui. Ingeniero Químico '68, Universidad Nacional del Litoral.
Major: Chemical Engineering. Minor: Mathematics. Thesis: A Kinetic Theory of Correlation Functions.
Major Adviser: Prof. J. S. Dahler.
1979. Clinton Robert Kennedy. B.Ch.E. with distinction and high honors '74, University of Delaware.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Several Aspects of Dynamic Behavior in Nonlinear Mathematical Models of Chemical Reaction and Diffusion.
Major Adviser: Prof. Rutherford Aris.
1979. Douglas Alan Lauffenburger. B.S. summa cum laude '75, University of Illinois.
Major: Chemical Engineering. Thesis: Effects of Motility and Chemotaxis in Cell Population Dynamical Systems.
Major Advisers: Profs. K. H. Keller and Rutherford Aris.

Chemical Engineering

1979. Ly James Lee. B.S.'72, National Taiwan University.
Major: Chemical Engineering. Thesis: Analysis of Polyurethane Reaction Injection Molding.
Major Adviser: Prof. C. W. Macosko.
1979. Julio Mario Ottino. Ingeniero Químico '74, Universidad Nacional de la Plata.
Major: Chemical Engineering. Thesis: Development and Applications of a Lamellar Model for Analysis of Liquid-Liquid Mixing.
Major Advisers: Profs. C. W. Macosko and W. E. Ranz.
1979. Arthur J. Schwartz. B.S.Ch.E.'66, University of Maryland.
Major: Chemical Engineering. Thesis: Mass Transport in Flowing Blood.
Major Adviser: Prof. K. H. Keller.
1979. William J. Silliman. B.S.E.'75, Princeton University.
Major: Chemical Engineering. Thesis: Viscous Film Flows with Contact Lines: Finite Element Simulation, a Basis for Stability Assessment and Design Optimization.
Major Adviser: Prof. L. E. Scriven.
1979. Yeshayahu Talmon. B.S. summa cum laude '69, M.S.'75, Technion-Israel Institute of Technology.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Fluid Microstructure: Cold Stage Electron Microscopy and Theoretical Modelling.
Major Advisers: Profs. H. T. Davis, Stephen Prager, and L.E. Scriven.
1980. Jose Mario Castro. Ing. Químico Industrial '74, La Universidad Centroamericana Jose Simeon Canas; M.S.'76, Ohio University.
Major: Chemical Engineering. Thesis: Mold Filling and Curing Studies for the Polyurethane Rim Process.
Major Adviser: Prof. C. W. Macosko.
1980. Byong Kwon Cho. B.S.'68, Seoul National University; M.S.'75, University of Alberta.
Major: Chemical Engineering. Thesis: Studies of Continuous Chromatographic Reactors.
Major Advisers: Profs. Rutherford Aris and R. W. Carr.
1980. Brian Gavin Higgins. B.S.Eng.'73, M.S.Eng.'75, University of the Witwatersrand.
Major: Chemical Engineering. Thesis: Capillary Hydrodynamics and Coating Beads.
Major Adviser: Prof. L. E. Scriven.
1980. Ching-cheh Hung. B.S.E.'71, National Cheng Kung University; M.S.'75, Syracuse University.
Major: Chemical Engineering. Thesis: Water Migration and Structural Transformation of Oven Cooked Meat.
Major Adviser: Prof. H. T. Davis.
1980. Ronald Gary Larson. B.Chem.E. with high distinction '75, M.S.Chem.E.'77, University of Minnesota.
Major: Chemical Engineering. Minor: Mathematics. Thesis: From Molecules to Reservoirs: Problems in Enhanced Oil Recovery.
Major Adviser: Prof. H. T. Davis.
1980. Eduardo Mon. B.S.'72, University of Florida; M.S.'75, Pennsylvania State University.
Major: Chemical Engineering. Thesis: Structure and Pathology of the Steady State, Stability and Dynamics of the Combustion of an Impervious Carbon Particle.
Major Adviser: Prof. N. R. Amundson.
1980. Michael James Mummey. B.S.Ch.E.'75, Purdue University.
Major: Chemical Engineering. Thesis: Adsorption and Reaction on Clean Polycrystalline Platinum at Near-Atmospheric Pressures.
Major Adviser: Prof. L. D. Schmidt.

Chemical Engineering

1980. Jane-Jane Ou. B.S.'71, National Taiwan University; M.E.'74, Asian Institute of Technology.

Major: Chemical Engineering. Minor: Mathematics. Thesis: Mixing and Chemical Reactions.

Major Adviser: Prof. W. E. Ranz.

1980. Jose Alberto Lloret Romagnoli. Ing. Químico '74, Universidad Nacional del Sur.

Major: Chemical Engineering. Thesis: Studies on Optimal Measurement Selection and Data Reconciliation for Chemical Process Monitoring and Control.

Major Adviser: Prof. George Stephanopoulos.

1980. Willi Rutzler. Diploma '75, Swiss Federal Institute of Technology.

Major: Chemical Engineering. Thesis: Nonlinear Estimation Methods for Tubular Reactors.

Major Adviser: Prof. George Stephanopoulos.

1981. Shaw-Horng Chen. B.S.'71, M.S.'73, National Taiwan University.

Major: Chemical Engineering. Thesis: Tracer Diffusion and Solubility in Polyatomic Liquids.

Major Adviser: Prof. D. F. Evans.

1981. Raymond John Gorte. B.S.'76, University of Wisconsin.

Major: Chemical Engineering. Thesis: The Kinetic Interaction of Nitric Oxide with Single Crystal Platinum.

Major Adviser: Prof. L. D. Schmidt.

1981. Sheng-Yi Lee. B.S.E.'75, National Taiwan University.

Major: Chemical Engineering. Minor: Mathematics. Thesis: A Study of Preparation of Supported Porous Catalysts.

Major Adviser: Prof. Rutherford Aris.

1981. Kishore Kumar Mohanty. B.Tech. with distinction '76, Indian Institute of Technology.

Major: Chemical Engineering. Thesis: Fluids in Porous Media: Two-Phase Distribution and Flow.

Major Advisers: Profs. L. E. Scriven and H. T. Davis.

1981. Prabodh Pathak. B.Tech.'73, Indian Institute of Technology; M.S.'76, University of Iowa.

Major: Chemical Engineering. Thesis: Topological Dependence of Transport Phenomena in Porous Media.

Major Advisers: Profs. H. T. Davis and L. E. Scriven.

1981. Hossein Pournourbakhsh. B.S.Ch.E.'74, Pahlavi University.

Major: Chemical Engineering. Thesis: Thermal Hydraulic Stability of Flow in Parallel Channels.

Major Adviser: Prof. H. S. Isbin.

1981. Anastassios Sophos. Diploma '76, National Technical University of Athens.

Major: Chemical Engineering. Thesis: Multiobjective Analysis and Planning of the Petrochemical Industry and the Synthesis of Distillation Sequences with Energy Integration Schemes.

Major Adviser: Prof. George Stephanopoulos.

1981. Joon Young Suong. B.Sc.Eng.'71, Seoul National University.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Kinetics and Mechanism of the Reaction of Chlorodifluoromethyl Radicals with Oxygen.

Major Adviser: Prof. R. W. Carr.

1981. Spyros Svoronos. A.B.'76, Oberlin College; M.S.'79, University of Minnesota.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Bilinear Systems in Process Control.

Major Adviser: Prof. Rutherford Aris.

Chemical Engineering

1981. Steven Thomas Swift. B.S.E. magna cum laude '75, University of Michigan.
Major: Chemical Engineering. Thesis: Some Aspects of the Antecology of the Ciliated Protozoan, Tetrahymona pyriformis.
Major Adviser: Prof. A. G. Fredrickson.
1981. Thinh Tran. B.S.Chem.Eng. magna cum laude '76, University of Southern California.
Major: Chemical Engineering. Thesis: Experimental and Theoretical Studies on Gas Cyclone Separators Operating at High Efficiency.
Major Adviser: Prof. W. E. Ranz.
1981. Tsanshao Wang. B.S.'74, National Taiwan University; M.S.'78, State University of New York.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Morphology and Surface Composition of Noble Metal Catalysts in Reactive Atmospheres.
Major Adviser: Prof. L. D. Schmidt.
1981. Alan Wilson Wardwell. B.S.Ch.E. with honors '75, University of Florida.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Continuous Reaction Gas Chromatography.
Major Adviser: Prof. R. W. Carr.
1981. Philip Henry Winterfeld. B.S.Chem.Eng.'76, Massachusetts Institute of Technology.
Major: Chemical Engineering. Thesis: Percolation and Conduction Phenomena in Disordered Composite Media.
Major Adviser: Prof. H. T. Davis.
1981. Kyriacos Zygourakis. Diploma '75, National Technical University of Athens.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Studies on the Monolith Catalytic Reactor.
Major Adviser: Prof. Rutherford Aris.
1982. Jesus Alvarez. Ing.Química '77, Universidad de Guadalajara; M.S.'78, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Measurement Structure and Estimation Strategies in Chemical Process Control.
Major Adviser: Prof. George Stephanopoulos.
1982. James Henry Aubert. B.S.E. summa cum laude '77, University of Michigan; M.S.Chem.Eng.'79, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Macromolecules in Nonhomogeneous Flows: Macromolecular Migration and Chromatographic Phenomenon.
Major Adviser: Prof. M. V. Tirrell.
1982. Thomas P. Bejger. B.S. with highest honors '75, Case Western Reserve University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Real-Time Control and Optimization of Batch Free-Radical Copolymerization Reactors.
Major Adviser: Prof. M. V. Tirrell.
1982. Nathan Ephraim Bixler. B.S.Ch.E. magna cum laude '76, University of Toledo.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Stability of a Coating Flow.
Major Adviser: Prof. L. E. Scriven.

Chemical Engineering

1982. Andrew H. Falls. B.S. with honor '78, California Institute of Technology.

Major: Chemical Engineering. Minor: Mathematics. Thesis: Electron Microscopy and Molecular Theory of Microstructured Fluids.

Major Advisers: Profs. L. E. Scriven and H. T. Davis.

1982. Eric William Kaler. B.S. with honor '78, California Institute of Technology.

Major: Chemical Engineering. Minor: Mathematics. Thesis: Surfactant Microstructures.

Major Advisers: Profs. H. T. Davis and L. E. Scriven.

1982. Jorge Emilio Puig. Ingeniero Quimico '76, Universidad de Guadalajara.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Fluid Microstructures, Phase and Tension Behavior of Amphiphile-Hydrocarbon-Water-Salt Systems.

Major Advisers: Profs. L. E. Scriven and W. G. Miller.

1982. William Richard Rossen. B.S.Ch.E. '76, Massachusetts Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Multicomponent Phase Behavior in an External Field.

Major Advisers: Profs. H. T. Davis and L. E. Scriven.

1982. Christos Takoudis. Diploma '77, National Technical University of Athens.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Rate Multiplicity and Oscillatory Phenomena in Heterogeneously Catalysed Reactions.

Major Adviser: Prof. L. D. Schmidt.

1982. Frederick Edward Weber. B.S.E. cum laude '74, University of Michigan.

Major: Chemical Engineering. Minor: Mathematics. Thesis: G. Temperature Dependencies and the Spur Diffusion Model of Radiation Chemistry.

Major Adviser: Prof. H. S. Isbin.

1983. Basil C. Baltzis. Dipl. '78, National Technical University of Athens; M.S. '80, University of Illinois.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Modelling of the Dynamics of Microbial Populations Competing for Non-Renewable and Renewable Resources.

Major Adviser: Prof. A. G. Fredrickson.

1983. Robert Eugene Benner. B.S. with highest distinction '78, Purdue University.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Equilibria, Stability and Bifurcations in the Physics of Fluid Interfaces.

Major Advisers: Profs. L. E. Scriven and H. T. Davis.

1983. Victor Manuel Gonzalez (Romero).

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Studies of Reactive Polymer Processing With Fiberglass Reinforcement.

Major Adviser: Prof. C. W. Macosko.

1983. Sheldon James Israel. B.Ch.E. with high distinction '74, M.S.Ch.E. '78, University of Minnesota.

Major: Chemical Engineering. Minor: Mechanics. Thesis: A Fracture Mechanics Analysis of Craze Stability in Glassy Polymers.

Major Adviser: Prof. W. W. Gerberich.

1983. Diane Viola Jorgensen. B.S.Ch.E. '76, Washington University.

Major: Chemical Engineering. Minor: Mathematics. Thesis: Dynamics and Exotic Behavior of a Stirred Tank Reactor.

Major Adviser: Prof. Rutherford Aris.

Chemical Engineering

1983. Peter Kelley Kilpatrick. B.A. summa cum laude '78, Occidental College.
Major: Chemical Engineering. Minor: Mathematics. Thesis: Thermodynamic Modeling, and Fluid Microstructure Phase Behavior in Amphiphile-Oil-Water Mixtures.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.
1983. Henry Kwok Lau. B.S.'78, University of California, Berkeley.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Studies on the Control of Integrated Chemical Processes.
Major Adviser: Prof. K. F. Jensen.
1983. Stavros Pavlou. Dipl.'78, National Technical University of Athens.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Modeling of the Dynamics of Protozoan Suspension Feeding.
Major Adviser: Prof. A. G. Fredrickson.
1983. Gary F. Teletzke. B.S.Ch.E.'74, Northwestern University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Thin Liquid Films: Molecular Theory and Hydrodynamic Implications.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.
1983. John Mark Torkelson. B.S.Ch.E.'78, University of Wisconsin. Major: Chemical Engineering. Minor: Supporting Program. Thesis: Fluorescence Spectroscopy of Polymers in Solution: A Study of Intramolecular and Intermolecular Interactions.
Major Adviser: Prof. M. V. Tirrell.
1983. Thomas John Tulig. B.S. summa cum laude '78, University of Illinois.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Molecular Dynamics of High Conversion Free Radical Polymerization.
Major Adviser: Prof. M. V. Tirrell.
1983. Mary Catherine Voigt (Dombrowski). B.S.E. with distinction '77, University of Connecticut.
Major: Chemical Engineering. Minor: Mathematics. Thesis: The Effect of Heat Flux on Entrainment in Steady Vertical Annular Flow in Round Tubes.
Major Adviser: Prof. H. S. Isbin.
1984. Douglas Brian Adolf. B.S.Ch.E.'78, M.S.'78, Northwestern University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Dynamics of Polymers at Interfaces.
Major Adviser: Prof. M. V. Tirrell.
1984. Osman Ali Basaran. B.S.Ch.E.'78, Massachusetts Institute of Technology.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Electrohydrodynamics of Drops and Bubbles.
Major Adviser: Prof. L. E. Scriven.
1984. Rafael Enrique Camargo. Ing. Químico '76, Universidad Pontificia Bolivariana.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Kinetics and Phase Segregation Studies on the Rim Polymerization of Urethane Elastomers.
Major Advisers: Profs. M. V. Tirrell and C. W. Macosko.
1984. Robert Matthew Caracciolo. B.E.'79, The Cooper Union School of Engineering and Science.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Crystallographic Anisotropies of Surface Reactions on Nickel and Platinum.
Major Adviser: Prof. L. D. Schmidt.

Chemical Engineering

1984. Dennis Joseph Coyle. B.S.Ch.E. summa cum laude '79, University of Massachusetts.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Fluid Mechanics of Roll Coating: Steady Flows, Stability, and Rheology.
Major Advisers: Profs. C. W. Makosko and L. E. Scriven.

1984. Joseph Robert Guckert. B.S.Ch.E. with highest honors '79, University of Notre Dame.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Engineering Aspects of Infrared Multiphoton Chemistry.
Major Adviser: Prof. R. W. Carr.

1984. Haroon S. Khesghi. B.S. with distinction '78, University of Illinois.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Motion of Viscous Liquid Films.
Major Adviser: Prof. L. E. Scriven.

1984. Stephen Franz Kistler. Dipl.'77, Swiss Federal Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Fluid Mechanics of Curtain Coating and Related Viscous Free Surface Flows with Contact Lines.
Major Adviser: Prof. L. E. Scriven.

1984. Michael Wayne Lesley. B.S. with highest distinction '79, University of Illinois.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Interaction of Nitric Oxide With Reducing Gases on the (100) Plane of Platinum.
Major Adviser: Prof. L. D. Schmidt.

1984. Anastasios Charilaou Papanastasiou. Diploma '78, National Technical University of Athens; M.S.Ch.E.'81, University of Minnesota.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Coating Flows and Processing of Viscoelastic Liquids: Fluid Mechanics, Rheology, and Computer-Aided Analysis.
Major Advisers: Profs. C. W. Macosko and L. E. Scriven.

1984. Theodore S. Petroulas. Dipl.'78, National Technical University of Athens.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: A Counter Current Moving Bed Chromatographic Reactor.
Major Adviser: Prof. R. W. Carr, Jr.

1984. Thatcher Wiley Root. B.S.Chem.'79, Massachusetts Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Absorption and Reaction of Nitric Oxide on Rhodium.
Major Adviser: Prof. L. D. Schmidt.

1984. Muhammad Sahimi. Licence '79, University of Tehran.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Transport and Dispersion in Porous Media and Related Aspects of Petroleum Recovery.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.

1984. Fernando Adolfo Saita. Ingeniero Quimico '76, Universidad Nacional del Litoral.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Elastohydrodynamics and Flexible Blade Coating.
Major Adviser: Prof. L. E. Scriven.

Chemical Engineering

1984. Chenkou Wei. B.S.E. '75, National Taiwan University; M.S. '78, Polytechnic Institute of New York.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Heat and Mass Transfer in Porous Media in Convective Heating and/or Microwave Heating.
Major Advisers: Profs. H. T. Davis and E. A. Davis.
1985. Karl Edward Bennett. B.S.E. with highest honors '76, Princeton University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Microemulsion Phase Behavior and Rheology.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.
1985. Lap-Hung Sunny Chan. B.S. '80, University of New York at Stony Brook.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Comparative Adsorption/Desorption Studies on Zn, ZnO and Cu/ZnO Surfaces.
Major Adviser: Prof. G. L. Griffin.
1985. Kil Sang Chang. B.E. '76, Hanyang University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Counter Currently Cooled CSTRs.
Major Adviser: Prof. Rutherford Aris.
1985. Sheng Jen Chen. B.S. '76, National Tsing Hua University; M.S. '78, Worcester Polytechnic Institute.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Three-Component Cationic Microemulsions: Role of Curvature in Determining Properties and Structures.
Major Adviser: Prof. D. F. Evans.
1985. Daniel Mark Hasenberg. B.S. with high distinction '79, University of Illinois.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: HCN Synthesis on Polycrystalline Platinum and Rhodium.
Major Adviser: Prof. L. D. Schmidt.
1985. Adel Elahmadi Heiba. B.S.Ch.E. '79, Massachusetts Institute of Technology.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Porous Media: Fluid Distributions and Transport with Applications to Petroleum Recovery.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.
1985. Samson Ally Jenekhe. B.S. high honor '77, Michigan Technological University; M.S.Ch.E. '80, M.A. '81, University of Minnesota.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Studies in Polymers for Microelectronics.
Major Advisers: Profs. M. V. Tirrell and S. T. Wellinghoff.
1985. Gary Russell Jerauld. B.S. magna cum laude '80, Rensselaer Polytechnic Institute.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Flow and Transport in Chaotic Media: Four Case Studies.
Major Advisers: Profs. H. T. Davis and L. E. Scriven.
1985. Jeung Lark Kim. B.S.E. '71, Seoul National University; M.S.Ch.E. '75, Massachusetts Institute of Technology.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Demineralization of Calcium Phosphates and Other Minerals.
Major Adviser: Prof. E. L. Cussler.
1985. Robert Larry Klein. B.S. with honors '75, Case Western Reserve University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: A Kinetic Study of the Reaction Between Nitric Oxide and Carbon Monoxide Catalyzed by Clean Polycrystalline Platinum.
Major Adviser: Prof. L. D. Schmidt.

Chemical Engineering

1985. Joel Kopinsky. B.S. with distinction '80, University of the Witwatersrand.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Dissolution of Porous Solids.

Major Advisers: Profs. E. L. Cussler and Rutherford Aris.

1985. Martin Alan Kreczmer. B.S.Ch.E. '74, Illinois Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Blood Damage Events Under Controlled Flow Conditions.

Major Adviser: Prof. K. H. Keller.

1985. Donald Timothy Landin. B.S. '80, Mount Union College.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Formation-Structure and Structure-Property Relationships During Vinyl-Divinyl Copolymerization.

Major Adviser: Prof. C. W. Macosko.

1985. George Papapolymerou. B.S. '79, University of California, Berkeley.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Kinetics of Small Molecules on Pt Group Metals.

Major Adviser: Prof. L. D. Schmidt.

1985. Sebastian C. Reyes. Magister En Ciencias De La Ingenieria Con Mencion en Ingenieria Quimica '80, Universidad De Concepcion.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Applications of Percolation Theory to Modeling of Noncatalytic Gas-Solid Reactions.

Major Adviser: Prof. K. F. Jensen.

1985. Athanassios Sambanis. Diploma '79, National Technical University of Athens.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Experimental and Modeling Studies on the Dynamics of Cultures of the Ciliate *Tetrahymena Pyriformis* Grown on Several Bacterial Species.

Major Adviser: Prof. A. G. Fredrickson.

1985. Joseph Anthony Zasadzinski. B.S. with honors '80, California Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Liquid Crystal Structure by Electron Microscopy.

Major Advisers: Profs. L. E. Scriven and H. T. Davis.

1986. David Mark Anderson. B.Math. '78, M.S. '82, University of Minnesota.

Major: Chemical Engineering. Minor: Mathematics. Thesis: Studies in the Microstructure of Microemulsion.

Major Advisers: Profs. H. T. Davis and L. E. Scriven.

1986. Steven Joseph Balloge. B.S. '80, Clarkson College of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Dynamic Light Scattering in Semi-Dilute Polymer Solutions.

Major Adviser: Prof. M. V. Tirrell.

1986. Sue Ann Bidstrup. B.S. Ch.E. '81, Massachusetts Institute of Technology.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Structure-Property Relations for Model Epoxy Networks.

Major Adviser: Prof. C. W. Macosko.

1986. Eric Alexander Frieden. B.S. '80, Cornell University.

Major: Chemical Engineering. Minor: Supporting Program. Thesis: Relationships Between Environmental Factors and the Adherence of Microorganisms to Solid Surfaces of Experimental Vessels.

Major Adviser: Prof. A. G. Frederickson.

Chemical Engineering

1986. Rafael Galvan. M.S. '81, University of Houston.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Modeling of Heterogeneous Ziegler-Natta (CO) Polymerization of alpha-Olefins.
Major Adviser: Prof. M. V. Tirrell.

1986. David Barry Graves. B.S.Ch.E. with distinction '78, M.S. '81, University of Arizona.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: A Continuum Model of Low Pressure Gas Discharges.
Major Adviser: Prof. K. F. Jensen.

1986. Chiapyng Lee. B.S. '77, Tunghai University; M.E. '82, Stevens Institute of Technology.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Microstructure and Kinetics on Supported Metal Catalysts.
Major Adviser: Prof. L. D. Schmidt.

1986. Jules John Magda. B.S. with distinction '79, Stanford University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: The Molecular Dynamics of Fluids at Solid Surfaces.
Major Advisers: Profs. M. V. Tirrell and H. T. Davis.

1986. Jan Barbara Talbot. B.S. '73, M.S. '75, The Pennsylvania State University.
Major: Chemical Engineering. Minor: Supporting Program. Thesis: Mathematical Modeling of Electrochemical Oscillations Related to Passive Film Formation.
Major Adviser: Prof. R. A. Oriani.

Chemical Physics

1978. Sin-Chong Park. B.S.Eng.'68, Seoul National University; M.S.'73, Purdue University.
Major: Chemical Physics. Thesis: Mixing Distance and Its Application to the Time-Development of Correlation in Non-Ideal Thermodynamic Systems.
Major Adviser: Prof. C. A. Mead.

1979. Nancy Ann Mullaney Harvey. B.A.'74, University of California, Santa Barbara.
Major: Chemical Physics. Thesis: New Methods for Quantum Mechanical Calculations of Inelastic Atom-Molecule Collisions and Electron Scattering.
Major Adviser: Prof. D. G. Truhlar.

1982. Mark Arles Hoffbauer. B.S. summa cum laude '76, Abilene Christian University.
Major: Chemical Physics. Thesis: Experimental Studies of Energy Transfer Dynamics Using Pulsed Molecular Beams.
Major Advisers: Profs. W. R. Gentry and C. F. Giese.

1983. Mark Richard Ellenberger. B.A.'72, Middlebury College.
Major: Chemical Physics. Minor: Supporting Program. Thesis: Dynamics of Chemical Reactions: Ion Cyclotron Resonance and Crossed Molecular Beam Studies.
Major Adviser: Prof. D. A. Dixon.

1983. Rex Thomas Skodje. B.A. with honors '78, Harvard University.
Major: Chemical Physics. Minor: Supporting Program. Thesis: The Theory of Chemical Reactions.
Major Adviser: Prof. D. G. Truhlar.

1984. Jeffrey Lawrence Hylden. B.A.'77, Saint John's University.
Major: Chemical Physics. Minor: Supporting Program. Thesis: A Charge Flow Model for the Study of Infrared Intensities of Overtone and Combination Bands.
Major Adviser: Prof. John Overend.

Chemical Physics

1984. Carmay Siow Chiow Lim. B.S. with first class honors '79, University of London.
Major: Chemical Physics. Minor: Supporting Program. Thesis: Nonequilibrium Effects in Chemical Kinetics.
Major Adviser: Prof. D. G. Truhlar.

Chemistry

1976. George Bohnert Bodem. B.Chem.'62, M.S.'72, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: Biosynthesis of Orchidaceae Alkaloids Shihunine and Pierardine.
Major Adviser: Prof. Edward Leete.

1976. Robert Allen Faltynek. A.B.'70, Augustana College.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Reactivity of Transition Metal Carbonylates: Substitution Products of Hexacarbonylvanadate (-I). The Chemistry of Tetracarbonylmanganate and Tetracarbonylrhenate (-III).
Major Adviser: Prof. J. E. Ellis.

1976. Thomas Glenn Goplen. B.A.'69, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis: The ATR Spectra of Some Simple Polyatomic Liquids.
Major Adviser: Prof. B. L. Crawford.

1976. Lambert Scott Harris. B.S.Chem.'68, University of North Carolina.
Major: Chemistry. Minor: Supporting Program. Thesis: The Acetylated Methylmannose Polysaccharide of Streptomyces Griseus.
Major Adviser: Prof. G. R. Gray.

1976. Chang Kiu Lee. B.S.'71, Yonsei University.
Major: Chemistry. Minor: Supporting Program. Thesis: Reactions of Pyrroles with Acetylenic Esters.
Major Adviser: Prof. W. E. Noland.

1976. Joyce E. Brien Palazzotto. B.S.'70, University of San Francisco.
Major: Chemistry. Minor: Supporting Program. Thesis: Role of Ion Transport in Membrane Regulation.
Major Adviser: Prof. R. E. Barnett.

1976. Philip Carter Price. B.S.'72, Trinity University.
Major: Chemistry. Minor: Supporting Program. Thesis: Analytical Applications of Conventional and Drift Tube Chemical Ionization Mass Spectrometry.
Major Adviser: Prof. H. S. Swofford.

1977. Kuo Her Chang. B.S.'69, Tamkang College of Arts and Sciences; M.S.'71, Kent State University.
Major: Chemistry. Minor: Supporting Program. Thesis: Topotactic Reactions of 2-Iododibenzoyl Peroxide Derivatives.
Major Adviser: Prof. J. Z. Gougoutas.

1977. Walter Scott Combs, Jr. B.A.'69, University of Colorado; M.S.'71, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: The Measurements and Prediction of Irradiances Available for Photosynthesis by Phytoplankton in Lakes.
Major Adviser: Prof. A. J. Moscovitz.

1977. Nile Nelson Frawley. B.A.'72, Hamline University.
Major: Chemistry. Minor: Supporting Program. Thesis: The Analytical Chemistry of Potassium Cyanate with Particular Emphasis on Its Determination in Biological Materials.
Major Adviser: Prof. H. S. Swofford, Jr.

Chemistry

1977. Kenneth E. Johnson. B.S. with honors '71, Bates College.
Major: Chemistry. Minor: Supporting Program. Thesis: Low Energy Zero and Ninety Degree Electron Impact Spectra of Some Simple Saturated and Unsaturated Hydrocarbons.
Major Adviser: Prof. Sanford Lipsky.
1977. Thomas Howard Johnson. B.A.'69, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: A Study of Olefin Metathesis Catalysts.
Major Adviser: Prof. P. G. Gassman.
1977. Walter Henry Jopke, Jr. B.A. '68, Augsburg College.
Major: Chemistry. Minor: Supporting Program. Thesis: Decay Processes of Trapped Hole Centers in the Magnesium Oxide.
Major Adviser: Prof. J.E. Wertz.
1977. Charles Frederick Kolpin. B.S.'69, University of Wisconsin.
Major: Chemistry. Minor: Supporting Program. Thesis: Electrochemical Behavior of Adsorbed Heme at a Mercury Electrode Surface in Aqueous Ethanol Solutions.
Major Adviser: Prof. H. S. Swofford, Jr.
1977. David Paul Martinsen. B.A. magna cum laude '72, Trinity College.
Major: Chemistry. Minor: Supporting Program. Thesis: Studies of the Exchange Reaction Between D_2O and Substituted Benzenes and of the Clustering Reaction Between H_2O and Substituted Phenols in Chemical Ionization Mass Spectrometry.
Major Adviser: Prof. S. E. Buttrill.
1977. Bruce Merle Mattson. B.A.'73, Southwest Minnesota State College.
Major: Chemistry. Minor: Internal. Thesis: The Oxidation, Reduction, and Photochemistry of Ruthenium Dithiocarbamate Complexes.
Major Adviser: Prof. L. H. Pignolet.
1977. John Gregory Schaffhausen. B.S. summa cum laude '73, Loyola University.
Major: Chemistry. Minor: Internal. Thesis: Synthesis and Solvolysis of 3-Aza and 3-Oxatricyclo [3.2.1.0^{4,6}] oct-8-yl Derivatives.
Major Adviser: Prof. P. G. Gassman.
1977. William Neal Schenk. B.A.'69, College of Wooster.
Major: Chemistry. Minor: Internal. Thesis: Part I. A Study of the Chemistry of Azasulfonium Salts. Part II. Base Promoted Hydrolysis of Hindered Esters.
Major Adviser: Prof. P. G. Gassman.
1977. James Darrel Stoesz. B.A. with highest honors '72, Bethel College.
Major: Chemistry. Minor: Supporting Program. Thesis: A Thermodynamic Characterization of the Refolding Transition of Chymotrypsin.
Major Adviser: Prof. R. W. Lumry.
1977. Gregg Alan Vandesteeg. B.A. magna cum laude '71, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Reactions of Substituted-4H-1, 4-thiazine 1, 1-Dioxides and 1,2,3,4-Tetrahydropyrimidines.
Major Adviser: Prof. W. E. Noland.
1977. Yueh Wang. B.S.'69, Tamkang College of Arts and Sciences; M.S.'73, Western Illinois University.
Major: Chemistry. Minor: Supporting Program. Thesis: Kinetic Study of Proton Exchange Reactions of Tribenzylamines in Dimethyl Sulfoxide Solutions.
Major Adviser: Prof. M. M. Kreevoy.
1977. Paul Lawrence Weber. B.S. summa cum laude '73, Xavier University.
Major: Chemistry. Minor: Supporting Program. Thesis: Acidic Arabinomannan Polysaccharide of Mycobacterium smegmatis.
Major Adviser: Prof. G. R. Gray.

Chemistry

1977. Kam Chu Wu. B.S.General '71, B.S.Special '72, University of Hong Kong.

Major: Chemistry. Minor: Supporting Program. Thesis: The Fluorescence of Some Organic Molecules in Non-Polar Organic Liquids Excited in the Region of Their Photoionization Thresholds.

Major Adviser: Prof. Sanford Lipsitz.

1978. Murray Wilson Brockman. B.S.'67, Furman University.

Major: Chemistry. Minor: Supporting Program. Thesis: Topics in Natural Optical Activity.

Major Adviser: Prof. A. J. Moscovitz.

1978. Tony Edward Catka. B.S. *summa cum laude* '73, University of Detroit.

Major: Chemistry. Minor: Supporting Program. Thesis: Part I: The Synthesis of 1,2,3,5,6,10b-Hexahydropyrido [2,3-g] Indolizine Abridged Nicotine. Part II: The Metabolism of Nicotine in *Nicotiana Glutinosa*.

Major Adviser: Prof. Edward Leete.

1978. Jonathan Neal Chasman. B.S. with honors '71, Ohio University.

Major: Chemistry. Minor: Supporting Program. Thesis: Sigma and Bent Bond Participation: The Synthesis and Solvolysis of 7-Norbornyl and Related Derivatives.

Major Adviser: Prof. P. G. Gassman.

1978. Kerry Wade Given. B.S.'73, University of Florida.

Major: Chemistry. Minor: Supporting Program. Thesis: The Reaction Chemistry and Photochemistry of Ruthenium and Osmium Dithiocarbamate Complexes.

Major Adviser: Prof. L. H. Pignolet.

1978. William Glen Golden. B.A.'74, University of California, San Diego.

Major: Chemistry. Minor: Supporting Program. Thesis: Infrared Reflection - Absorption Spectroscopy.

Major Adviser: Prof. John Overend.

1978. Siamak Hafezi. B.S.'70, University of Teheran.

Major: Chemistry. Minor: Internal. Thesis: Studies of Assisted Aquation and Base Hydrolysis of Some Ligando-Pentaammine Cobalt (III) Complexes.

Major Adviser: Prof. W. L. Reynolds.

1978. Gary Peter Hagen. B.S.'69, Wisconsin State College at Eau Claire.

Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Reactivity of Transition Metal Carbonylates: The Chemistry of Pentacarbonylchromate, Pentacarbonylmolybdenate, and Pentacarbonyltungstate (-II) Anions. The Chemistry of Tetracarbonylchromate, Tetracarbonylmolybdenate, and Tetracarbonyltungstate (-IV) Anions.

Major Adviser: Prof. J. E. Ellis.

1978. Bruce David Hilton. B.Chem. with distinction '71, University of Minnesota.

Major: Chemistry. Minor: Supporting Program. Thesis: Nuclear Magnetic Resonance Relaxation in Aqueous Protein Systems.

Major Adviser: Prof. R. G. Bryant.

1978. William Alex Larson. B.Chem. with distinction '73, University of Minnesota.

Major: Chemistry. Minor: Supporting Program. Thesis: The Chemistry of Localized Corrosion.

Major Adviser: Prof. E. J. Meehan.

1978. Gary Lee Miessler. B.Chem. with honor '70, University of Tulsa.

Major: Chemistry. Minor: Interanl. Thesis: The Photochemistry of Iron and Ruthenium Dithiocarbamate Complexes.

Major Adviser: Prof. L. H. Pignolet.

Chemistry

1978. Wayne Ranbom. B.S. cum laude '73, Rensselaer Polytechnic Institute.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthetic Approaches to Lysergic Acid.
Major Adviser: Prof. P. G. Gassman.

1978. Geoffrey Ringer. B.S. with honors '72, University of Leeds.
Major: Chemistry. Minor: Supporting Program. Thesis: Reactive Scattering in $H_2 + He$ and $N + O$ Collisions.
Major Adviser: Prof. W. R. Gentry.

1978. Craig LaMonte Schmidt. B.A. with highest honors '74, Tabor College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Voltammetric Behavior of Vitamin B12a and Its Reduced Forms.
Major Adviser: Prof. H. S. Swofford, Jr.

1978. Joseph Francis Stieber. B.S.'70, University of Wisconsin.
Major: Chemistry. Minor: Internal. Thesis: Reactions of Heterocyclic N-Oxides with Acetylenic Dipolarophiles.
Major Adviser: Prof. W. E. Noland.

1978. Larry Ray Wilson. B.S. with departmental honors '72, Indiana University.
Major: Chemistry. Minor: Supporting Program. Thesis: Pressure Effects on Molecular Rydberg States.
Major Adviser: Prof. Sanford Lipsky.

1978. Margaret Yuk Ha Wong. B.A.'74, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis: Part I: A General Synthesis of 2-Deoxyaldoses. Part II: Isolation and Partial Structural Characterization of the Mycolic Acids from Mycobacterium smegmatis.
Major Adviser: Prof. G. R. Gray.

1978. Zachary Yim. A.B.'71, Temple University.
Major: Chemistry. Minor: Supporting Program. Thesis: A Continuous Dilution Cuvette System for Concentration Difference Spectroscopy with Applications in the Hemoglobin Systems--A New Design for an Old Method.
Major Adviser: Prof. R. W. Lumry.

1978. Ronald James Zygmunt. B.S.Chem.'69, Lebanon Valley College; M.S.'71, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: Plasma Membrane Enzymes and Enzyme-Lipid Interactions.
Major Adviser: Prof. R. F. Borch.

1979. Fred Stuart Apple. B.S.'75, Rensselaer Polytechnic Institute.
Major: Chemistry. Thesis: Manipulation of the Fatty Acid Content of Mammalian Plasma Membranes in Culture.
Major Adviser: Prof. R. F. Borch.

1979. John George Chernega. B.S.'66, Manhattan College; M.S.'68, University of Dayton.
Major: Chemistry. Thesis: A Spectroscopic Investigation of Ferroelectric and Paraelectric Sodium Nitrite.
Major Adviser: Prof. R. M. Hexter.

1979. Susan Meredith Cole. B.A.'74, Northwestern University.
Major: Chemistry. Thesis: The Reductive Sulfenylation of α , β -Unsaturated Cyclic Ketones and Approaches to the Synthesis of Ellipticine.
Major Adviser: Prof. P. G. Gassman.

1979. Daniel Harvey Doughty. B.S.'70, M.S.'73, University of New Mexico.
Major: Chemistry. Thesis: Catalytic Decarbonylation Reactions Using Cationic Rhodium (I) Complexes.
Major Adviser: Prof. L. H. Pignolet.

Chemistry

1979. Chun-I Hong. B.S.E.'62, Taiwan Cheng Kung University; M.S.'68, Southern Methodist University; M.S.'71, University of Minnesota.
Major: Chemistry. Thesis: Thiophosgene as a Dienophile in Organic Synthesis.

Major Adviser: Prof. R. M. Dodson.

1979. Tai-ming Liang. B.S.'71, Tunghai University.

Major: Chemistry. Thesis: Molecular Spectra, Isotopic Fractionation Factor and Structures of Very Strong Hydrogen Bonded Homoconjugate and Heteroconjugate Complexes.

Major Adviser: Prof. M. M. Kreevoy.

1979. Curtis Allen Marcott. B.A. summa cum laude '74, Concordia College.

Major: Chemistry. Minor: Supporting Program. Thesis: Vibrational Circular Dichroism and the Structure of Chiral Molecules.

Major Adviser: Prof. John Overend.

1979. Kenneth Dale Rose. B.S. cum laude '74, Bowling Green State University.

Major: Chemistry. Minor: Supporting Program. Thesis: Applications of Nuclear Magnetic Resonance Quadruple Probes to the Study of Protein Binding Sites for Ions and Small Molecules.

Major Adviser: Prof. R. G. Bryant.

1979. Moheb Mahrous Seif El-Nasr. B.Pharm.Sc.'71, M.Pharm.Sc.'75, Cairo University.

Major: Chemistry. Minor: Internal. Thesis: Studies of the Substitution Reactions of the (Dimethyl Sulfoxide) Pentaamminecobalt (III) Ion.

Major Adviser: Prof. W. L. Reynolds.

1979. Ray F. Stewart. B.S. cum laude '75, Northern Arizona University.

Major: Chemistry. Thesis: Synthetic Applications of Organic Electrochemistry.

Major Adviser: Prof. L. L. Miller.

1979. John Jeffrey Talley. B.A. with honors '74, University of Northern Iowa.

Major: Chemistry. Thesis: The Properties of Electron Deficient Carbonium Ions.

Major Adviser: Prof. P. G. Gassman.

1979. Ann Frances Watson. B.S. with high honors '74, Eastern Washington State College.

Major: Chemistry. Thesis: Part I: The Mitogenic Effects of Mycobacterial Cell Wall Preparations on Mouse Splenic Lymphocytes. Part II: The Effects of Certain Dibasic Drugs on the Products of Arachidonic Acid Metabolism.

Major Adviser: Prof. R. F. Borch.

1979. Stephen Harvey Wheeler. B.S. cum laude '75, University of Santa Clara.

Major: Chemistry. Thesis: The Electrochemistry and Chemistry of Ruthenium and Osmium Dithiocarbamates.

Major Adviser: Prof. L. H. Pignolet.

1979. Mark Leo Winzenburg. B.A. summa cum laude '72, College of St. Thomas.

Major: Chemistry. Thesis: Synthesis and Reactivity of Transition Metal Carbonylates: Part One: The Chemistry of the Tricarbonylmethylate (-III) Anions of Cobalt, Rhodium, and Iridium. Part Two: Ligand Substitution Reactions of the Tetracarbonylmethylate (-I) Anions of Cobalt, Rhodium, and Iridium.

Major Adviser: Prof. J. E. Ellis.

1980. Andrew James Caruso. B.S.'76, Louisiana State University.

Major: Chemistry. Thesis: Studies Toward the Total Synthesis of Aplysistatin and the Total Synthesis of Ancistrofuran.

Major Adviser: Prof. T. R. Hoye.

Chemistry

1980. Dale Larry Christensen. B.Chem. with distinction '71.
Major: Chemistry. Thesis: Chemical Effects in Ion Scattering Spectrometry.
Major Adviser: Prof. V. G. Mossotti.
1980. Leif Christensen. Cand.Scient.'76, Aarhus Universitet.
Major: Chemistry. Thesis: Organic Electrochemistry Applied to Synthesis.
Major Adviser: Prof. L. L. Miller.
1980. Mark L. Dittenhafer. B.A.'76, Shippensburg State College.
Major: Chemistry. Thesis: Elucidation of Electrochemically Assisted Cerium Catalyzed Base Hydrolysis Reactions of Vitamin B₁₂a.
Major Adviser: Prof. H. S. Swofford, Jr.
1980. Irene Anna Gennick. B.S. summa cum laude '75, Oakland University.
Major: Chemistry. Thesis: The Reactivity of Bicyclo[2.2.1] hept-2-yne Precursors.
Major Adviser: Prof. P. G. Gassman.
1980. Lenas Joseph Hedlund. B.A.'73, St. Cloud State College; A.M.'75, University of South Dakota.
Major: Chemistry. Thesis: Study of Polymer Solvent Interactions in the System Poly (ethylacrylate)/Chloroform by NMR.
Major Adviser: Prof. W. G. Miller.
1980. Martin Van Hershberger. B.S.'69, M.S.'71, San Diego State College.
Major: Chemistry. Thesis: The Photophysics of Indoles and Biological Applications.
Major Adviser: Prof. R. W. Lumry.
1980. Mark Joseph Kurth. B.A.'75, University of Northern Iowa.
Major: Chemistry. Thesis: Total Synthesis of dL-3 Beta-Bromo-8-Epicaparrapi Oxide and dL-Aplysistatin and Synthetic Progress Towards Megaphone.
Major Adviser: Prof. T. R. Hoye.
1980. Jane Dean Lanphear. A.B. summa cum laude '76, Bowdoin College.
Major: Chemistry. Thesis: The Iron Catalyzed Oxidative Decarboxylation of Alpha-Keto Acids: A Partial Model for Prolyl Hydroxylase.
Major Adviser: Prof. Brock Siegel.
1980. Edmund Alexander Larka. B.A.'74, Augsburg College.
Major: Chemistry. Thesis: The Reaction of ³Sigma-Sulfur Monoxide with Nonconjugated Dienes: The Use of Thiirane Oxides as Mechanistic Probes.
Major Adviser: Prof. R. M. Dodson.
1980. James Arthur McDonnell. B.S.'75, University of Wisconsin.
Major: Chemistry. Thesis: Biosynthesis of Pyrrolidine Alkaloids Employing Carbon-13-Nitrogen-15 Labels; Studies on an Unusual Example of Magnetic Nonequivalence.
Major Adviser: Prof. Edward Leete.
1980. Gary S. Proehl. B.S.'75, University of Denver.
Major: Chemistry. Thesis: Studies Leading to the Synthesis of [3.1.1] Propellane.
Major Adviser: Prof. P. G. Gassman.
1980. Deni D. Murk Rose. B.S. with distinction '76, University of Kansas.
Major: Chemistry. Thesis: Magnesium-25 Nuclear Magnetic Resonance as a Probe of Metal Ion Interactions with Biological Macromolecules.
Major Adviser: Prof. R. G. Bryant.
1980. Mary Patricia Stickelmeyer. B.A. cum laude '74, Augsburg College; M.S.'75, University of Michigan.
Major: Chemistry. Thesis: Infrared and Raman Relaxation Studies of Liquids.
Major Adviser: Prof. B. L. Crawford.

Chemistry

1981. Frank Dennis Blum. B.S.'76, M.S.'77, Eastern Illinois University.
Major: Chemistry. Minor: Supporting Program. Thesis: Multinuclear
Magnetic Resonance Studies of Polymer-Solvent and Surfactant-Solvent
Systems.
Major Adviser: Prof. W. G. Miller.

1981. Susan Jean Danielson. B.A.'75, Carleton College.
Major: Chemistry. Thesis: Part I: Immunochemical Characterization of
Polylysine Conjugates Containing Reductively Aminated Cellulose
Oligosaccharids. Part II: Structures of the Two Homologous Series of
Dialkene Mycolic Acids from Mycobacterium smegmatics.
Major Adviser: Prof. G. R. Gray.

1981. Douglas Scott Dunn. B.A.'76, Gustavus Adolphus College.
Major: Chemistry. Thesis: Infrared Spectra of Surface Species.
Major Adviser: Prof. John Overend.

1981. John David Dwyer. B.A.'77, Gustavus Adolphus College.
Major: Chemistry. Minor: Supporting Program. Thesis: A Physical Study
of Cholera Toxin and Its Membrane Bound Complex.
Major Adviser: Prof. V. A. Bloomfield.

1981. John Erling Granrud. B.A.'76, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis:
N-ACYL-N-Arylnitrenium Ions.
Major Adviser: Prof. P. G. Gassman.

1981. Henry Acken Havel. B.S.'76, University of Rochester.
Major: Chemistry. Thesis: Vibrational Circular Dichroism Studies in the
Carbon-Hydrogen and Carbon-Deuterium Stretching Regions.
Major Adviser: Prof. John Overend.

1981. Rebecca Cowan Hoyer. B.A. magna cum laude '73, Bucknell University;
M.A.'75, Harvard University.
Major: Chemistry. Minor: Internal. Thesis: Synthesis and Reactions of
Inside-Outside Bicyclic Compounds.
Major Adviser: Prof. P. G. Gassman.

1981. Douglas Richard James. B.S. with first class honors '73, University
of Calgary.
Major: Chemistry. Minor: Supporting Program. Thesis: Specificity
Determination in Chymotryptic Catalysis - Thermodynamic Basis.
Major Adviser: Prof. R. W. Lumry.

1981. Thomas Charles Jemphy. B.A.'75, College of the Holy Cross.
Major: Chemistry. Thesis: Heterogeneous Oxidations: Silica Bound Ferric
Chloride vs. Anodic Oxidation.
Major Adviser: Prof. L. L. Miller.

1981. Leo John Maheu. A.B.'77, Bowdoin College.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis,
Structural Characterization, and Reactivity of Di- and Trithiocarbamate
Complexes Osmium and Ruthenium.
Major Adviser: Prof. L. H. Pignolet.

1981. Mark Eugene Mueller. B.A.'73, St. Olaf College.
Major: Chemistry. Thesis: Studies on the Biomimetic Synthesis of
Anatabine.
Major Adviser: Prof. Edward Leete.

1981. Michael Roy Ross. B.S. cum laude '69, Sioux Falls College.
Major: Chemistry. Thesis: Secondary Ion Mass Spectrometry of Chemically
Bound Organosilane Films and Plasma Polymerized Vinyl Ferrocene Films on
Conductive and Semi-Conductive Substrates.
Major Adviser: Prof. J. F. Evans.

Chemistry

1981. Wayne Jay Rothschild. B.A. cum laude '72, University of California, Los Angeles.

Major: Chemistry. Minor: Supporting Program. Thesis: Thermodynamics of Solution of n-Alkanols in H_2O and D_2O .

Major Adviser: Prof. R. W. Lumry.

1981. Paul Stephen Russo. B.S.'76, University of Wisconsin, River Falls.

Major: Chemistry. Minor: Supporting Program. Thesis: Solution Behavior of Stiff Chain Polymers.

Major Adviser: Prof. W. G. Miller.

1981. George Francis Schuette. A.B.'74, Washington University.

Major: Chemistry. Thesis: Chemical Dynamics of Ion-Atom Collisions: A Merged Molecular Beam Study.

Major Adviser: Prof. W. R. Gentry.

1981. Eileen Mary Venzon Thompson. B.S. summa cum laude '76, Bradley University.

Major: Chemistry. Thesis: Solution Chemistry of Localized Corrosion of Stainless Steels.

Major Adviser: Prof. E. J. Meehan.

1981. Hsien-Hau Wang. B.S.'75, National Tsing Hua University.

Major: Chemistry. Minor: Supporting Program. Thesis: Chemical Studies of Cationic Polyhydride Iridium Clusters with Chelating Diphosphine Ligands and Catalytic Aldehyde Decarbonylation Reactions.

Major Adviser: Prof. L. H. Pignolet.

1981. Mark W. Watson. B.A.'73, Thiel College; M.S.'76, University of Delaware.

Major: Chemistry. Minor: Supporting Program. Thesis: Simplex Optimization in Gradient Elution High Performance Liquid Chromatography: The Preparation and Characterization of Bio-compatible High Performance Liquid Chromatography Packing Materials.

Major Adviser: Prof. P. W. Carr.

1981. JoAnn Kiyo Yamamoto. B.A. with honors '75, University of Wisconsin.

Major: Chemistry. Thesis: Biomimetic Transformation of Dehydrocholesterol to Vitamin D.

Major Adviser: Prof. R. F. Borch.

1982. Sumana Chakrabarti. M.S.'73, Jadavpur University.

Major: Chemistry. Minor: Supporting Program. Thesis: Viscoelastic Studies on Stiff Chain Polymers.

Major Adviser: Prof. W. G. Miller.

1982. Mindaugas Dautartas. B.S.'77, The Ohio State University.

Major: Chemistry. Minor: Supporting Program. Thesis: Studies of Plasma Polymerized Vinylferrocene Thin Films.

Major Adviser: Prof. J. F. Evans.

1982. Joseph Fred Dellaria, Jr. B.A. cum laude '78, Hope College.

Major: Chemistry. Minor: Internal. Thesis: Total Synthesis of dl-Aplysistatin Via the "Right" Approach and a Model Synthesis of the CDE Rings of Bruceantin.

Major Adviser: Prof. T. R. Hoyer.

1982. Mark M. Doherty. B.A.'76, University of Northern Iowa; M.S.'79, University of Minnesota.

Major: Chemistry. Minor: Supporting Program. Thesis: The Effect of Electron Deficient Carbocations on Neighboring Group Participation.

Major Adviser: Prof. P. G. Gassman.

Chemistry

1982. Daniel Paul Getman. B.A. magna cum laude '77, University of New York at Buffalo.
Major: Chemistry. Minor: Supporting Program. Thesis: The Syntheses and Transition Metal-Promoted Rearrangements of Sterically-Hindered Derivatives of Bicyclo (1.1.0) Butane.
Major Adviser: Prof. P. G. Gassman.

1982. Leo John Laux. B.S. summa cum laude '77, University of Detroit.
Major: Chemistry. Minor: Supporting Program. Thesis: The Optical Activity Associated with Molecular Vibrations.
Major Advisers: Profs. A. J. Moscovitz and John Overend.

1982. Andrew S. Magee. B.A.'77, Bowdoin College.
Major: Chemistry. Minor: Supporting Program. Thesis: A Synthesis of the Quassinoid Carbon Skeleton Via An Intra-Molecular Diels-Alder Reaction.
Major Adviser: Prof. T. R. Hoye.

1982. James Richard Persoon. B.A.'73, Macalester College.
Major: Chemistry. Minor: Supporting Program. Thesis: Light Scattering Studies of Colloidal Lead Sulfide.
Major Adviser: Prof. E. J. Meehan.

1982. Joseph Porwoll. B.S.'76, Moorhead State University.
Major: Chemistry. Minor: Supporting Program. Thesis: Studies Concerning the Isolation, Purification and Biosynthesis of Delta-Tetrahydrocannabinolic Acid A by Feeding Contiguously Enriched Carbon-13 Putative Precursors.
Major Adviser: Prof. Edward Leete.

1982. Devarajan Thirumalai. M.S. with first class honor '77, Indian Institute of Technology, Kanpur.
Major: Chemistry. Minor: Supporting Program. Thesis: Effective Potential Studies of Electron-Atom and Electron-Molecule Collisions.
Major Adviser: Prof. D. G. Truhlar.

1982. Marcus Thomsen. B.A. summa cum laude '77, Luther College.
Major: Chemistry. Minor: Supporting Program. Thesis: Infrared Laser Induced Organic Chemical Reactions of Vinylcyclopropane, Bicyclopropyl and Diethyl Carbonate.
Major Adviser: Prof. W. E. Farneth.

1982. Lee Walter. B.A.'72, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: The Mechanism of Excited State Formation in the Radiolysis of Hydrocarbon Liquids.
Major Adviser: Prof. Sanford Lipsky.

1983. Michael Paul Anderson. B.A.'67, University of Minnesota, Duluth; M.S.Chem.'69, Michigan Technological University.
Major: Chemistry. Minor: Supporting Program. Thesis: Physical, Chemical and Catalytic Properties of Rh(I) Complexes with P-P, P-N, and P-N-P Ligands.
Major Adviser: Prof. L. H. Pignolet.

1983. William Edmond Barber. B.A.'77, University of Vermont.
Major: Chemistry. Minor: Supporting Program. Thesis: Part I: Peak Shape Analysis in High Performance Liquid Chromatography. Part II: UV-visualization of Inorganic Anions by Reverse Phase Ion-Interaction Chromatography.
Major Adviser: Prof. P. W. Carr.

1983. Steven M. Bonser. B.S.'74, Kutztown State College; M.S.'77, Bucknell University.
Major: Chemistry. Minor: Supporting Program. Thesis: The Synthesis and Chemistry of Trans-Bicyclo[4.1.0]Hept-3-Ene.
Major Adviser: Prof. P. G. Gassman.

Chemistry

1983. Marvin Jay Burgess. B.A.'77, Hope College.

Major: Chemistry. Minor: Internal. Thesis: The Synthesis and Solvolysis of 1-Aryl- and 3-Aryl-N-Chloro-2-Azabicyclo (2.2.1) Heptanes.

Major Adviser: Prof. P. G. Gassman.

1983. Yu Sen Chen. B.S.'71, Tunghai University; M.S.'76, University of Texas, El Paso.

Major: Chemistry. Minor: Internal. Thesis: Synthesis and Reactivity of Transition Metal Carbonylates: Part One: Synthesis and Characterization of the Magnesium Tetracarbonylferrates (-II). Part Two: The Chemistry of the Tricarbonylphosphineferrate (-II) Anions. Part Three: The Chemistry of the Tricarbonylnitrosylmanganate (-II) Anion.

Major Adviser: Prof. J. E. Ellis.

1983. Robert Alfred Eades. B.A. cum laude '77, Drake University.

Major: Chemistry. Minor: Supporting Program. Thesis: Theoretical Studies of the Abstraction Reactions of the Hydrogen Atom With Halogen and Interhalogen Molecules. $H + F_2$, $H + Cl_2$, $H + Br_2$, $H + ClF$, $H + BrF$, and $H + BrCl$.

Major Adviser: Prof. D. A. Dixon.

1983. Douglas Eric Fjare. B.A. cum laude '79, St. Olaf College.

Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Reactivity of Carbonyl/Nitrosyl Clusters.

Major Adviser: Prof. W. L. Gladfelter.

1983. Kristi Ann Fjare. B.A. cum laude '79, St. Olaf College.

Major: Chemistry. Minor: Supporting Program. Thesis: Preparation and Reactions of Group V Carbonyl Compounds Containing Labile Ligands.

Major Adviser: Prof. J. E. Ellis.

1983. Thomas Patrick Gill. B.S.'78, University of Notre Dame.

Major: Chemistry. Minor: Supporting Program. Thesis: The Photochemistry of Transition Metal Arene Complexes.

Major Adviser: Prof. K. R. Mann.

1983. Robert James Glinski. B.S. with distinction '78, University of Wisconsin.

Major: Chemistry. Minor: Supporting Program. Thesis: Chemiluminescence Studies of the Reactions of Ozone with Small Molecules.

Major Adviser: Prof. D. A. Dixon.

1983. Thomas L. Guggenheim. B.A. cum laude '78, St. Olaf College.

Major: Chemistry. Minor: Internal. Thesis: The Study of α -Cyano Carbocations.

Major Adviser: Prof. P. G. Gassman.

1983. John Wesley Hull. B.S. cum laude '79, University of Minnesota, Duluth.

Major: Chemistry. Minor: Supporting Program. Thesis: Transition Metal Complexes of Severely Crowded Organic Molecules and O-Xylylenes.

Major Adviser: Prof. W. L. Gladfelter.

1983. Sung Jai Lee. B.S.'77, University of California, Los Angeles.

Major: Chemistry. Minor: Supporting Program. Thesis: The Use of [2,3]-Sigmatropic Rearrangements in the Synthesis of Benzo- Substituted Heterocycles.

Major Adviser: Prof. P. G. Gassman.

1983. Paul Herbert Liedler. B.S. with highest honors '76, Illinois State University.

Major: Chemistry. Minor: Supporting Program. Thesis: The Effect of Diethyldithiocarbamate on the Biological Actions of Cisplatin.

Major Adviser: Prof. R. F. Borch.

Chemistry

1983. Jiann Tsuen Lin. B.S.'75, National Tsing Hua University.
Major: Chemistry. Minor: Supporting Program. Thesis: Chemistry of the Tetrasodium Tetracarbonylmetallate (4-) of Chromium, Molybdenum and Tungsten, $\text{Na}_4\text{M}(\text{CO})_4$.
Major Adviser: Prof. J. E. Ellis.
1983. Kurt Damar Olson. B.A. magna cum laude '78, Bethel College.
Major: Chemistry. Minor: Supporting Program. Thesis: Photochemistry of Strained Polycyclic Hydrocarbons.
Major Adviser: Prof. P. G. Gassman.
1983. Vaughan McCutchan Pultz. B.S. summa cum laude '77, Washington and Lee University.
Major: Chemistry. Minor: Supporting Program. Thesis: Vibrational Circular Dichroism Studies of Some Small Chiral Molecules.
Major Adviser: Prof. A. J. Moscovitz.
1983. Steven C. Richtsmeier. B.A. cum laude '77, Gustavus Adolphus College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Structure of Small Metal Clusters and Molecular Beam Studies of Weakly Bound Systems.
Major Adviser: Prof. D. A. Dixon.
1983. Gary Lee Rochfort. B.S.'76, East Stroudsburg State College.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Reactivity of Transition Metal Carbonylates: Part One: The Chemistry of Some New Chromium, Molybdenum and Tungsten Carbonyl Anions. Part Two: The Chemistry of Some Polynuclear Zerovalent Chromium, Molybdenum and Tungsten Carbonyl Anions.
Major Adviser: Prof. J. E. Ellis.
1983. David Rolf. B.S.Chem. with honor '78, Michigan Technological University.
Major: Chemistry. Minor: Supporting Program. Thesis: Reductive Depolymerization of Permethylated Polysaccharides.
Major Adviser: Prof. G. R. Gray.
1983. Mark William Severson. B.A. magna cum laude '78, Augsburg College.
Major: Chemistry. Minor: Supporting Program. Thesis: Infrared Spectra of Nitric Oxide and Carbon Monoxide on Platinum.
Major Adviser: Prof. John Overend.
1983. Young-Tzung Shih. B.S.'73, Fu-Jen University.
Major: Chemistry. Minor: Supporting Program. Thesis: Trace Metal Analysis By High Performance Liquid Chromatography with n-Butyl-2-Naphthylmethyldithiocarbamate Complexes.
Major Adviser: Prof. P. W. Carr.
1983. Chung Ching Tso. B.S.'76, National Taiwan University.
Major: Chemistry. Minor: Supporting Program. Thesis: Structures and Catalytic Properties of Chelating Triphosphine Metal Complexes.
Major Adviser: Prof. L. H. Pignolet.
1983. Dale Martin Ullevig. B.S. cum laude '77, University of Minnesota, Duluth.
Major: Chemistry. Minor: Supporting Program. Thesis: Studies of Sputtering Behavior Using the QCM.
Major Adviser: Prof. J. F. Evans.
1983. Stephen Michael Willging. B.S. magna cum laude '77, Loras College.
Major: Chemistry. Minor: Supporting Program. Thesis: Application of X-ray Photoelectron Spectroscopy to Polymer Supported and Homogeneous Transition Metal Catalysts.
Major Adviser: Prof. P. G. Gassman.

Chemistry

1983. John Michael Zimmel. B.A. cum laude '76, College of St. Thomas.
Major: Chemistry. Minor: Supporting Program. Thesis: Motion of Rodlike Molecules.

Major Adviser: Prof. W. G. Miller.

1984. Steve Joseph Bezuk. B.S. with honors '76, University of Pittsburgh.
Major: Chemistry. Minor: Supporting Program. Thesis: Spectroscopies of Organic Plasma.

Major Adviser: Prof. L. L. Miller.

1984. Donald L. Bodenner. B.A. cum laude '78, Harvard University.
Major: Chemistry. Minor: Supporting Program. Thesis: The Lack of Interference Diethyldithiocarbamate on the Antitumor Mechanism of Cis-Diamminedichloroplatinum (II).

Major Adviser: Prof. R. F. Borch.

1984. David Arthur Bohling. B.A. '79, Gustavus Adolphus College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Electrochemistry and Highly Oxidized Chemistry of Organometallic Isocyanide Complexes.

Major Adviser: Prof. K. R. Mann.

1984. James Edmund Brady. B.S. with honors '77, McGill University.
Major: Chemistry. Minor: Supporting Program. Thesis: Theoretical and Experimental Investigations of Solvatochromism.

Major Adviser: Prof. P. W. Carr.

1984. Brian Willard Carlson. B.A. '79, Concordia College.
Major: Chemistry. Minor: Supporting Program. Thesis: A Study of the Kinetics and Mechanism of the Oxidation of NADH by Ferrocenium Ions and Quinones.

Major Adviser: Prof. L. L. Miller.

1984. Albert Loren Casalnuovo. B.S. summa cum laude '80, University of Santa Clara.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis, Characterization and Reactivity of Mixed-Metal Ir/Au Clusters and Ir Complexes Containing the Ligand 1-(2'-pyridyl)-2-(diphenylphosphino)ethane, PN.

Major Adviser: Prof. L. H. Pignolet.

1984. David Wiley Deerfield, II. B.S.Chem.'77, University of Kansas.
Major: Chemistry. Minor: Supporting Program. Thesis: Approaches Toward the Synthesis of [3S-{3a(2S*, 5R*), 6a(2S*, 5R*)}] -3, 6-BIS-(5-Chloro-2-Piperidiny)-2, 5-Piperazinedione-Dihydro Chloride (Cyclo(-Streptolutyl-Streptolutyl), 593A).

Major Adviser: Prof. T. R. Hoyer.

1984. Michael John DiPierro. B.S.'77, University of Wisconsin, Milwaukee.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Characterization of Polydentate Isocyanide Transition Metal Complexes.

Major Adviser: Prof. K. R. Mann.

1984. Todd Robert Hayes. B.A. cum laude '79, Gustavus Adolphus College.
Major: Chemistry. Minor: Supporting Program. Thesis: Energetic Ions and Electrons as Probes of Organosilanes Covalently Bonded to Metal Oxide Surfaces.

Major Adviser: Prof. J. F. Evans.

1984. Douglas Giles Johnson. B.A.'78, Wheaton College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Infrared Laser Induced Chemistry of Oxetanes: The Production of Excited State Products.

Major Adviser: Prof. W. E. Farneth.

Chemistry

1984. James Lawrence Kilgore. B.S.'77, University of California, Berkeley.

Major: Chemistry. Minor: Supporting Program. Thesis: Chemistry and Biochemistry of Dihydropyridines Approaches to the Synthesis of 3, 6-Dihydronicotinic Acid, a Putative Biosynthetic Precursor of the Major Tobacco Alkaloids.

Major Adviser: Prof. Edward Leete.

1984. InSook Han Lee. B.S.'74, M.S.'79, Ewha Womans University.

Major: Chemistry. Minor: Supporting Program. Thesis: Characterization of Transition State Structures by Using Marcus Theory for Hydride Transfer Reactions.

Major Adviser: Prof. M. M. Kreevoy.

1984. Richard Lewis Lyke. B.A.'68, University of Wyoming.

Major: Chemistry. Minor: Supporting Program. Thesis: Fluorescence Lifetimes of Saturated Hydrocarbons.

Major Adviser: Prof. W. R. Ware.

1984. Amy Jean Muller. B.A.'78, Dartmouth College.

Major: Chemistry. Minor: Supporting Program. Thesis: The Preparation and Characterization of a High Performance Liquid Affinity Chromatography System.

Major Adviser: Prof. P. W. Carr.

1984. Michael Francis McGuiggan. B.A.'77, Southwest State University.

Major: Chemistry. Minor: Supporting Program. Thesis: Catalytic Reactions of Rhodium and Ruthenium Phosphine Complexes.

Major Adviser: Prof. L. H. Pignolet.

1984. David R. Peck. B.S. cum laude '78, Rensselaer Polytechnic Institute.

Major: Chemistry. Minor: Supporting Program. Thesis: Photochemical Construction of the Acorane Skelton and a Spirodilactone Route to Venturicidin.

Major Adviser: Prof. T. R. Hoyer.

1984. John Robert Peterson. B.S. magna cum laude '79, University of Minnesota, Duluth.

Major: Chemistry. Minor: Supporting Program. Thesis: Manganese (III) Mediated Oxidation of Organic Compounds: Novel Reaction Manifolds and Mechanisms.

Major Adviser: Prof. W. E. Fristad.

1984. George William Prohaska. B.S.'79, University of Pittsburgh.

Major: Chemistry. Minor: Supporting Program. Thesis: Studies of the Plasma Polymerization of Styrene and Vinyltrimethylethoxysilane.

Major Adviser: Prof. J. F. Evans.

1984. Lucinda Ellen Reichley. B.A. cum laude '78, Capital University.

Major: Chemistry. Minor: Supporting Program. Thesis: The Process of Solvent Interchange For Solventopentaamminecobalt (III) Complexes in Mixed Solvent Systems.

Major Adviser: Prof. W. L. Reynolds.

1984. Matthew Rhys Rhodes. B.S.Chem. with highest distinction '80, Purdue University.

Major: Chemistry. Minor: Supporting Program. Thesis: The Chemistry of the Tetrakis (1,8-Diisocyano-P-Menthane) Dirhodium(+2) Cation.

Major Adviser: Prof. K. R. Mann.

1984. Robert E. Rosen. B.S. honors '79, State University of New York.

Major: Chemistry. Minor: Supporting Program. Thesis: Stereoreandom Reactions for the Generation of Stereohomogeneous Molecules: The Formal Total Synthesis of Tirandamycin Acid and Synthetic Efforts Towards Elaiophyllin.

Major Adviser: Prof. T. R. Hoyer.

Chemistry

1984. John Lewis Smith. A.B. with high honors '74, Rutgers University.
Major: Chemistry. Minor: Supporting Program. Thesis: Part I: Polarity Effects in Olefin Metathesis Catalysis. Part II: Photochemically Induced Free-Radical Additions to Strained Polycyclic Hydrocarbons.
Major Adviser: Prof. P. G. Gassman.

1984. Robert Edward Stevens. B.S.'80, University of Wisconsin.
Major: Chemistry. Minor: Chemical Engineering. Thesis: Synthesis, Characterization, and Reactivity of Metal Carbonyl Nitrosyl Complexes.
Major Adviser: Prof. W. E. Gladfelter.

1984. Todd Cameron Thompson. B.A. magna cum laude '77, Carleton College.
Major: Chemistry. Minor: Supporting Program. Thesis: Vibronic Effects in Trimeric Clusters of Alkali Metals, Copper and Hydrogen.
Major Adviser: Prof. C. A. Mead.

1984. David A. Weil. B.A. with honors '79, Drake University.
Major: Chemistry. Minor: Supporting Program. Thesis: Studies of Organic Ion-Molecule Reactions by Ion Cyclotron Resonance Spectroscopy.
Major Adviser: Prof. D. A. Dixon.

1984. Ronald Paul Wirth. B.S.'78, Colorado State University.
Major: Chemistry. Minor: Supporting Program. Thesis: Part I: Transition Metal Nitro/Nitrosyl Redox Couples: Applications to the Oxidation of Organic Compounds. Part II: Synthesis and Reactions of (2-(Trimethylsilylmethyl)benzyl)-trialkylammonium Iodide o-Xylylene Precursors.
Major Adviser: Prof. L. L. Miller.

1984. Patrick Gerard Zimmerman. B.S.'79, Marquette University.
Major: Chemistry. Minor: Supporting Program. Thesis: Infrared Laser Induced Heterogeneous Reactions: 2-Propanol with CuO.
Major Adviser: Prof. W. E. Farneth.

1985. John August Bennek. B.A. magna cum laude '78, College of St. Thomas.
Major: Chemistry. Minor: Supporting Program. Thesis: Mechanistic, Analytical, and Synthetic Studies of Glycosidic Reductive Cleavage.
Major Adviser: Prof. G. R. Gray.

1985. Steven Robert Flom. B.A. '74, Trinity College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Dynamics of Electronically Excited Molecules in Solution.
Major Adviser: Prof. P. F. Barbara.

1985. Richard Joseph Kvitek. B.S. magna cum laude '74, University of Wisconsin, Green Bay.
Major: Chemistry. Minor: Supporting Program. Thesis: Studies of Immobilized Diaminesilane: Preparation, Surface Characterization and Reaction of the Bound Ligand with Aqueous Copper (II).
Major Adviser: Prof. J. F. Evans.

1985. Amy Mara McNair. B.S. magna cum laude '81, University of Cincinnati.
Major: Chemistry. Minor: Supporting Program. Thesis: Investigations of Ruthenium and Osmium Arene Complexes.
Major Adviser: Prof. K. R. Mann.

1985. Robert John McNair. B.S. '81, University of Cincinnati.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis, Characterization, and Reactivity of Ruthenium Phosphine and Rhodium Heterobimetallic P-N-P Complexes.
Major Adviser: Prof. L. H. Pignolet.

Chemistry

1985. Marlene Marie Mixa. B.A. cum laude '80, Carleton College.
Major: Chemistry. Minor: Supporting Program. Thesis: The Synthesis, Characterization, and Study of Tetranuclear Linear Metal Chain Complexes Based on Tetrakis(Diisocyanide) Rhodium Dimers.
Major Adviser: Prof. K. R. Mann.
1985. Ann Marie Muetting. B.S.Chem. cum laude '78, M.S. '80, Creighton University.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis, Characterization, and Reactivity of Rhodium and Iridium Phosphine Complexes Containing Sulfur Ligands Resulting From Reactions With H_2S .
Major Adviser: Prof. L. H. Pignolet.
1985. Drazen Ostovic. Diploma '79, University of Zagreb.
Major: Chemistry. Minor: Supporting Program. Thesis: Hydride Transfer Between NAD^+ Analogues.
Major Adviser: Prof. M. M. Kreevoy.
1985. Paul Charles Sadek. B.A. cum laude '79, Carleton College.
Major: Chemistry. Minor: Supporting Program. Thesis: Elucidation of the Factors Responsible for Small Solute Retention and Irreversible Protein Binding in Reversed-Phase High Performance Liquid Chromatography.
Major Adviser: Prof. P. W. Carr.
1985. Janet Lynn Schrenk. B.A. '80, Carleton College.
Major: Chemistry. Minor: Supporting Program. Thesis: Photochemical Arene Replacement Reactions of n^5 -Cyclopentadienyl Iron(II) n^6 -Arene Cations.
Major Adviser: Prof. K. R. Mann.
1985. David Winston Schwenke. B.A. cum laude '80, Whitman College.
Major: Chemistry. Minor: Supporting Program. Thesis: Interaction Potentials and Quantum Mechanical Dynamics Calculations for Electron, Atom, and Molecule Scattering.
Major Adviser: Prof. D. G. Truhlar.
1985. Andrew Jacob Groes Strandjord. B.A. cum laude '79, Luther College.
Major: Chemistry. Minor: Supporting Program. Thesis: Excited State Dynamics of 3-Hydroxyflavone.
Major Adviser: Prof. P. F. Barbara.
1985. Joseph Carl Suhadolnik. B.A. '80, University of Pennsylvania.
Major: Chemistry. Minor: Supporting Program. Thesis: Epoxy Cascade Approach to Uvaricin.
Major Adviser: Prof. T. R. Hoyer.
1985. Peter Keim Trumper. B.A. '79, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis Towards Venturicidin.
Major Adviser: Prof. T. R. Hoyer.
1985. Wendy Sue Trumper. B.A. '80, St. Olaf College.
Major: Chemistry. Minor: Supporting Program. Thesis: Total Synthesis of Sarracenin and Preliminary Investigations Directed Towards Sesbanimide.
Major Adviser: Prof. T. R. Hoyer.
1985. Garry Francis Warnock. B.S. '71, University of Wales.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Chemistry of Carbonylmetallate Trianions of Vanadium Niobium, Tantalum, Manganese, Rhenium, Cobalt and Iridium.
Major Adviser: Prof. J. E. Ellis.
1986. Margaret Louise Blohm. B.A. magna cum laude, highest honors '81, Russell Sage College.
Major: Chemistry. Minor: Internal. Thesis: Synthesis and Reactivity of Ruthenium Carbonyl Nitrido Clusters.
Major Adviser: Prof. W. L. Gladfelter.

Chemistry

1986. Kyle J. Bottorff. B.A. magna cum laude '79, Simpson College.
Major: Chemistry. Minor: Supporting Program. Thesis: Photochemically Induced Nucleophilic Additions to Unactivated Olefins.
Major Adviser: Prof. P. G. Gassman.
1986. Chia-Chun Chang. B.S. '74, National Chung-Hsing University.
Major: Chemistry. Minor: Supporting Program. Thesis: Alternating Current Impedance Studies of the Charge Transport Mechanism in Polymer Coated Electrodes.
Major Adviser: Prof. J. F. Evans.
1986. Frederic R. Furuya. B.S. '77, Brown University.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Characterization of Transition Metal Carbonyl Clusters.
Major Adviser: Prof. W. L. Gladfelter.
1986. Bruce Allan Hay. B.S. '81, Brown University.
Major: Chemistry. Minor: Supporting Program. Thesis: Synthesis and Electron Transfer Photochemistry of Bridged Bicyclobutanes.
Major Adviser: Prof. P. G. Gassman.
1986. Russell Dee Johnson, III. B.A. '77, Carleton College.
Major: Chemistry. Minor: Supporting Program. Thesis: Spectra and Dynamics of the Infrared Photodissociation of Weakly Bound Dimers.
Major Adviser: Prof. W. R. Gentry.
1986. William Hubert Ojala. B.S. summa cum laude '77, College of Great Falls.
Major: Chemistry. Minor: Supporting Program. Thesis: Solid-State Structures and Properties of Some Organic Strict Isosteres.
Major Adviser: Prof. J. Z. Gougoutas.
1986. Richard Steven Smith. B.S. '80, Iowa State University of Science and Technology.
Major: Chemistry. Minor: Supporting Program. Thesis: The Iminium Ylide 1,3-Dipolar Cycloaddition Reaction. An Application to the Synthesis of the Physostigmine and Erythrina Alkaloid Skeletal Systems.
Major Adviser: Prof. T. S. Livinghouse.
1986. Todd Alm Swanson. B.Chem. '78, M.S. '80, University of Minnesota.
Major: Chemistry. Minor: Supporting Program. Thesis: I. An NMR Study of Cyclophosphamide Metabolites. II. Approaches to the Synthesis of Venturicidin.
Major Adviser: Prof. T. R. Hoyer.
1986. Alan Dale Thomas. B.S. '79, University of Wisconsin, River Falls.
Major: Chemistry. Minor: Supporting Program. Thesis: The Synthesis of Oxygen Functionalized Polyacenes.
Major Adviser: Prof. L. L. Miller.
1986. David Warren Werst. B.S. magna cum laude '80, University of Missouri.
Major: Chemistry. Minor: Supporting Program. Thesis: Torsional Vibrations in Substituted Anthracenes Studied by Laser Induced Fluorescence Free Jet Spectroscopy.
Major Advisers: Profs. P. F. Barbara and W. R. Gentry.

Civil Engineering

1976. Dennis Earl Ford. B.Aero.Eng. with distinction '70, M.S. '72, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Water Temperature Dynamics of Dimictic Lakes: Analysis and Prediction Using Integral Energy Concepts.
Major Adviser: Prof. H. G. Stefan.

Civil Engineering

1977. Jong Soull Lee. B.S.Eng.'69, Seoul National University; B.S.'65, Korean Military Academy.
Major: Civil Engineering. Minor: Supporting Program. Thesis: A Dynamic Model of Nitrification-Denitrification in the Activated Sludge System with Powdered Activated Carbon.
Major Adviser: Prof. W. K. Maier.
1977. Raymond Leslie Sterling. B.Eng.'70, University of Sheffield; M.S.Geo.E.'75, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Roof Design for Underground Openings in Near-Surface Bedded Rock Formations.
Major Advisers: Profs. L. E. Goodman and C. R. Nelson.
1978. Chung Sang Chu. B.S.E.'67, Seoul National University; M.S.E.E.'73, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: An Optimization Technique in Mathematical Urban Runoff Model.
Major Adviser: Prof. C. E. Bowers.
1978. Nadim Antun Shamati. B.E.'69, American University of Beirut; M.S.C.E.'73, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Kinetics of Biodegradation of Chlorinated Organics in Activated Sludge Type Systems.
Major Adviser: Prof. W. J. Maier.
1978. Ching-Yau Wu. B.Sc.'56, Cheng Kung University; M.S.'64, University of Tokyo.
Major: Civil Engineering. Minor: Public Health. Thesis: Control of Activated Sludge Bulking by Ecological Means.
Major Adviser: Prof. W. K. Johnson.
1979. Sundararajan Dhamotharan. B.Eng.'68, M.Sc.'73, University of Madras.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Mathematical Model for Temperature and Turbidity Stratification Dynamics in Shallow Reservoirs.
Major Adviser: Prof. H. G. Stefan.
1979. Gregory John Hollod. B.S.'74, State University of New York at Cortland; M.A.'77, State University of New York at Binghamton.
Major: Civil Engineering. Thesis: Polychlorinated Biphenyls (PCBs) in the Lake Superior Ecosystem: Atmospheric Deposition and Accumulation in the Bottom Sediments.
Major Adviser: Prof. S. J. Eisenreich.
1980. David LaVerne Ching. B.C.E. with distinction '73, M.C.E.'76, University of Minnesota.
Major: Civil Engineering. Minor: Computer and Information Sciences.
Thesis: A Dynamic Model of the Completely Mixed Activated Sludge and Final Clarification Processes.
Major Adviser: Prof. W. J. Maier.
1980. John Stephen Gulliver. B.S.'74, University of California, Santa Barbara; M.S.C.E.'77, University of Minnesota.
Major: Civil Engineering. Thesis: Reaeration and Productivity Analysis from Dissolved Oxygen Routing in Open Channels.
Major Adviser: Prof. H. G. Stefan.
1980. Christine Ann Macko. B.S.'72, University of Pittsburgh.
Major: Civil Engineering. Thesis: The Removal of Organic Matter from Surface Waters Supplies by Anion Exchange Resins.
Major Adviser: Prof. W. J. Maier.
1980. George Dimitri Manolis. B.C.E. with high distinction '76, M.S.C.E.'77, University of Minnesota.
Major: Civil Engineering. Thesis: Dynamic Response of Underground Structures.
Major Adviser: Prof. D. E. Beskos.

Civil Engineering

1980. Ganapathy Venkata Narayanan. B.Tech.'71, M.Tech.'74, Indian Institute of Technology.
Major: Civil Engineering. Thesis: Numerical Operational Methods in Structural Dynamics.
Major Adviser: Prof. D. E. Beskos.
1980. Chung Ki Yee. B.M.E. with distinction '73, M.S.C.E.'77, University of Minnesota.
Major: Civil Engineering. Thesis: Anaerobic Digestion of Organic Residues for Methane Production: A Bio-Kinetic Approach.
Major Adviser: Prof. W. J. Maier.
1981. Alexander C. Demetracopoulos. Diploma '75, National Technical University, Athens; M.S.C.E.'77, University of Minnesota.
Major: Civil Engineering. Thesis: Analysis and Prediction of Water Movements and Water Quality in a Shallow River Impoundment. Application to Mississippi River Pool No.2.
Major Adviser: Prof. H. G. Stefan.
1981. Roger Dale Hart. B.S.C.E. with honor '71; M.S.C.E.'72, Ohio University.
Major: Civil Engineering. Thesis: A Fully Coupled Thermal-Mechanical-Fluid Flow Model for Nonlinear Geologic Systems.
Major Advisers: Profs. D. E. Beskos and Christopher St. John.
1981. Dipak Shantilal Kamdar. B.Tech.C.E. with first class distinction '74, Indian Institute of Technology; M.S.C.E.'76, University of Minnesota.
Major: Civil Engineering. Thesis: Numerical Modeling of Wind Loads on Structures.
Major Advisers: Profs. L. E. Goodman and Francois Cheong-Chiat-Moy.
1981. Cawniambakkam Totadri Shanmugham. B.E.C. with first class honor '52; M.S. with first class honor '59, University of Madras.
Major: Civil Engineering. Thesis: Analysis and Prediction of Heated Surface Jets.
Major Adviser: Prof. H. G. Stefan.
1982. Hendrik Marten Haitjema. IR (Civil) '76, Technische Hogeschool Delft.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Modeling Three-Dimensional Flow in Confined Aquifers Using Distributed Singularities.
Major Adviser: Prof. O. D. L. Strack.
1982. William Patrick Martin. B.S.C.E.'69, M.S.C.E.'70, University of Wisconsin.
Major: Civil Engineering. Minor: Chemical Engineering. Thesis: The Heavy Metal Exchange Behavior of Pretreated and Unpretreated Clinoptilolite.
Major Adviser: Prof. M. J. Semmens.
1983. Thomas Gray Curtis. B.S.C.E.'67, M.S.C.E.'68, O.E.'71, Massachusetts Institute of Technology.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Simulation of Saltwater Intrusion by Analytic Elements.
Major Adviser: Prof. O. D. L. Strack.
1984. James Angus Cardle. B.C.E.'76, M.S.C.E.'78, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: An Investigation of Hydraulic Transients in Combination Free Surface and Pressurized Flows.
Major Adviser: Prof. C. C. S. Song.

Civil Engineering

1984. Dimitris L. Karabalis. Dipl.'77, National Technical University of Athens; M.S.C.E.'80, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Dynamic Response of Three-Dimensional Foundations.
Major Adviser: Prof. I. G. Vardoulakis.
1984. Hongting Liu. Diploma'52, Zhejiang University; Graduate Diploma'65, Xian Institute of Metallurgy and Construction Engineering.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Experimental and Analytical Studies of Restrained Columns.
Major Adviser: Prof. T. V. Galambos.
1984. Brian Boyd Looney. B.S. cum laude '78, Texas Christian University.
Major: Civil Engineering. Minor: Supporting Program. Thesis: The Dynamic Behavior of Chlorinated Organics in Lake Superior: Sediment, Water and Air Interactions.
Major Adviser: Prof. S. J. Eisenreich.
1984. Loren Jay Lorig. B.S.C.E. with high distinction '73, Valparaiso University; M.S.'75, University of Illinois.
Major: Civil Engineering. Minor: Supporting Program. Thesis: A Hybrid Computational Model for Excavation and Support Design in Jointed Media.
Major Adviser: Prof. P. A. Cundell.
1984. Johannes Marijnissen. Ingenieur '72, Technische Hogeschool Delft.
Major: Civil Engineering. Minor: Supporting Program. Thesis: The Total Recovery Concept as Applied to Mineral Engineering.
Major Adviser: Prof. S. J. Eisenreich.
1984. Amrinsjah Nasution. Sarjana'76, Bandung Institute of Technology; M.S.C.E.'81, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Stiffening Effect of Driven Shallow Piles in a Semi - Infinite Solid.
Major Adviser: Prof. L. E. Goodman.
1984. Constantine Spyarakos. Diploma'78, National Technical University of Athens; M.S.C.E.'80, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Dynamic Response of Strip Foundations by the Time Domain Bem-Fem Method.
Major Adviser: Prof. D. E. Beskos.
1985. Christine Jeanne Detournay. Ingenieur '76, Universite de Liege; M.S.C.E. '80, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Application of Boundary Elements to the Hodograph Method.
Major Adviser: Prof. O. D. L. Strack.
1985. Jaw-Kuan Lin. B.S.E. '77, National Cheng-Kung University; M.S. '79, National Chiao Tung University.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Modelling and Analysis of Traffic Flow in Complex Transportation Networks.
Major Adviser: Prof. Panos Michalopoulos.
1985. Carl Anthony Nelson. B.C.E. with distinction '79, M.S.C.E. '81, University of Minnesota.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Drift Bounds for Tall Buildings by Function Space Methods.
Major Adviser: Prof. L. E. Goodman.
1985. Robert Alan Rapaport. B.S. high honors '75, M.S. '77, Rutgers State University.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Chlorinated Hydrocarbons in Peat.
Major Adviser: Prof. S. J. Eisenreich.

Civil Engineering

1986. Panayiotis Diplas. Diploma '79, National Technical University of Athens; M.S.C.E. '83, University of Minnesota.
Major: Civil Engineering. Minor: Aerospace Engineering. Thesis: Pollution of Gravel Spawning Grounds Due to Fine Sediments.
Major Adviser: Prof. G. N. Parker.

1986. Gerard Farrell. B.E. '70, M.E. '80, M.Eng.Sc. '80, National University of Ireland, University College, Galway.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Buoyancy Induced Plunging Flow Into Reservoirs and Coastal Regions.
Major Adviser: Prof. H. G. Stefan.

1986. Hitoshi Kuwamura. B.E. '75, M.E. '77, University of Tokyo.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Reliability Analysis of Steel Building Structures Under Earthquakes.
Major Adviser: Prof. T. V. Galambos.

1986. Yuan-Ming Tang. B.S. '76, National Cheng Kung University; M.S. '81, North Dakota State University.
Major: Civil Engineering. Minor: Supporting Program. Thesis: Studies of the Filtration Behaviour of a Buoyant Filter Media.
Major Adviser: Prof. M. J. Semmens.

Computer and Information Sciences

1977. Helmut Karl Berg. Diplom '74, University of Saarland.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: A Computer Architecture Based on Ordered Sets as Primitive Data Entities.
Major Adviser: Prof. W. K. Giloi.

1978. Radu Dumitru Balaci. Dipl. '45, Technical Institute of Bucharest.
Major: Computer and Information Sciences. Minor: Electrical Engineering.
Thesis: An A.P.L.-Based Hardware Description and Simulation System Register Transfer Level.
Major Adviser: Prof. W. K. Giloi.

1978. Yookun Cho. B.S.Eng.'71, M.S.Eng.'73, Seoul National University; M.S.'78, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Scheduling Independent Tasks.
Major Adviser: Prof. S. K. Sahni.

1978. Eitan Miron Gurari. B.Sc.'72, M.Sc.'74, Technion-Israel Institute of Technology.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Counter Machines, Number-Theoretic Problems, Presburger Formulas and Simple Programs.
Major Adviser: Prof. O. H. Ibarra.

1978. Thomas Paul Sturm. B.A. magna cum laude '68, College of St. Thomas.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Accelerated Searching Strategies in Large Highly Structured Data Bases.
Major Adviser: Prof. P. C. Patton.

1979. Stephen Thomas Barnard. B.S.'69, Case Western Reserve University; M.S.'77, University of Minnesota.
Major: Computer and Information Sciences. Thesis: The Image Correspondence Problem.
Major Advisers: Profs. S. K. Sahni and W. B. Thompson.

1979. Imrich Chlamtac. B.Sc.'75, M.S.'77, Tel-Aviv University.
Major: Computer and Information Sciences. Thesis: Multi-Access Channel Packet Switching Protocols.
Major Adviser: Prof. W. R. Franta.

Computer and Information Sciences

1979. Edward Huffaker McCall. B.S.Ch.E.'60, Iowa State College; M.S.'70, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Zero-One Mixed Integer Programming Using Interactive Graphics.
Major Adviser: Prof. J. B. Rosen.
1979. David Nassimi. B.E.E. with distinction '68, M.S.E.E.'75, M.S.'78, University of Minnesota.
Major: Computer and Information Sciences. Thesis: Data Routing in SIMD Computers.
Major Adviser: Prof. S. K. Sahni.
1980. Merav Gershenowitz Chlamtac. B.S.'74, M.S. with distinction '77, Tel Aviv University.
Major: Computer and Information Sciences. Thesis: An Improved Multi-Dimensional Spline Approximation by Localized Basis Augmentation.
Major Adviser: Prof. J. B. Rosen.
1980. Sinan A. Neftci. B.S.'73, Middle East Technical University; M.S.'77, University of Minnesota.
Major: Computer and Information Sciences. Thesis: Discretization and State-Reduction in Linear Functional Differential Equations.
Major Adviser: Prof. E. B. Lee.
1980. Saeed Rahimi-Khamene. B.S.'72, Arya-Mehr University; M.S.'78, University of Minnesota.
Major: Computer and Information Sciences. Thesis: Concurrent Updates Problem and Synchronization in Distributed Database Systems.
Major Adviser: Prof. W. R. Franta.
1981. Eliezer Dekel. B.S. '76, Ben Gurion University of the Negev; M.S. '79, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Algorithms for SIMD Machines.
Major Adviser: Prof. S.K. Sahni.
1981. Brian Scott Leininger. B.Math. with distinction '77, M.S. '81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Mathematics. Thesis: On the Simplification and Equivalence Problems for Simple Programs.
Major Adviser: Prof. O.H. Ibarra.
1981. Raghunath Raghaven. B.Tech.'77, Indian Institute of Technology, Bombay; M.S.'81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Programs.
Thesis: The Wire Routing Problem: Algorithms and Complexity Results.
Major Adviser: Prof. S. K. Sahni.
1981. Nemattolah Samari-Kermani. B.S.'75, University of Kansas.
Major: Computer and Information Sciences. Minor: Electrical Engineering.
Thesis: A Decomposition Approach to the Modelling and Analysis of Distributed User-Resource Computer Networks.
Major Adviser: Prof. G. M. Schneider.
1982. John Eardley Barker. B.S.'64, M.S.'66, Iowa State University.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: A Dual Estimator Approach to Determining Simulation Stability and Point Estimate Accuracy.
Major Advisers: Profs. R. Y. Kain and W. R. Franta.
1982. James Patrick Cohoon. B.S.'75, Ramapo College of New Jersey; M.S.'78, Pennsylvania State University.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Algorithms and Complexity Results for Some Design Automation Problems.
Major Adviser: Prof. S. K. Sahni.

Computer and Information Sciences

1982. Elaine Newberg Frankowski. B.S.'61, Simmons College; M.S.'79, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Using Event Semantics to Specify Distributed Applications Systems.
Major Adviser: Prof. W. R. Franta.
1982. Yaron Gold. B.S. cum laude '70, M.S.'75, Technion, Israel Institute of Technology.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Generalized Access-Protocols for Multi-Access Channels.
Major Advisers: Profs. W. R. Franta and K. J. Thurber.
1982. John Robert Heath. B.A.'68, M.A.'70, University of Maine, Orono; M.S.'77, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Modelling, Measurement, and Analysis of Local and Satellite Interconnected High Speed Networks.
Major Adviser: Prof. W. R. Franta.
1982. Tenhwang Lai. B.A.'72, Fu Jen Catholic University; M.A.'76, Fordham University.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Scheduling Strategies for Multiprocessor Systems.
Major Adviser: Prof. S. K. Sahni.
1982. Louis E. Rosier. B.S. with high honor '74, Michigan State University; M.S.'81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Investigation of the Power of Some Language Constructs in Programming Languages.
Major Adviser: Prof. O. H. Ibarra.
1982. Richard Alan Weinberg. B.A.'73, Cornell University; M.S.'76, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: An Architecture for Parallel Processing Image Synthesis with Anti-Aliasing.
Major Adviser: Prof. W. R. Franta.
1983. Joseph Kevin Kearney. B.A. summa cum laude '75, M.S.'81, University of Minnesota; M.A.'79, University of Texas.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: The Estimation of Optical Flow.
Major Adviser: Prof. W. B. Thompson.
1983. Sam Myo Kim. B.S.'65, M.S.'70, Kyungpook National University.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Characterizations and Computational Complexity of Some Models of Parallel Computation.
Major Adviser: Prof. O. H. Ibarra.
1983. Richard Laszlo Madarasz. B.S. with high distinction '75, Arizona State University; M.S.'81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Object Recognition Using Motion Information.
Major Adviser: Prof. W. B. Thompson.
1983. Thomas Glenn Moher. B.S. with high distinction '72, University of Michigan.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Token Likelihood Analysis: A High-Resolution Approach to the Characterization of Software Complexity.
Major Adviser: Prof. W. B. Thompson.

Computer and Information Sciences

1983. Kathleen Mary Mutch. B.S. summa cum laude '76, Viterbo College; M.S.'81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Qualitative Spatial Properties of Scenes Using Motion Information.
Major Adviser: Prof. W. B. Thompson.
1983. Yuan Y. Sung. B.S.'73, National Taiwan University; M.S.'77, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Large-Scale Global Minimization of a Concave Function Subject to Linear Constraints.
Major Adviser: Prof. J. B. Rosen.
1983. Naftali Daid Zilverberg. B.A.'71, Tel Aviv University; M.S.'81, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Global Minimization for Large Scale Linearly Constrained Systems.
Major Adviser: Prof. J. B. Rosen.
1984. Mark Benedict Bilodeau. B.S.'72, United States Military Academy; M.S.'77, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Parameter Optimization of Resource Sharing Protocols.
Major Adviser: Prof. W. R. Franta.
1984. Sangyong Han. B.S.E.'75, Seoul National University.
Major: Computer and Information Sciences. Minor: Electrical Engineering.
Thesis: PWB Layout Problem: Layering and Routing.
Major Adviser: Prof. S. K. Sahni.
1984. Bahman Kalantari. B.S.'75, Wisconsin State University; M.S.'79, M.S.'83, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Large Scale Global Minimization of Linearly Constrained Concave Quadratic Functions and Related Problems.
Major Adviser: Prof. J. B. Rosen.
1984. Rajiv Dattatraya Kane. B.Tech.E.E.'79, Indian Institute of Technology.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Systolic Algorithms for Design Rule Checks.
Major Adviser: Prof. S. K. Sahni.
1985. Jayaram Bhasker. B.Tech.E.E. '77, M.Tech. '82, Indian Institute of Technology, Delhi.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Algorithms for Physical Design Automation Problems.
Major Adviser: Prof. S. K. Sahni.
1985. Kam-Hoi Cheng. B.S. '80, University of Manitoba.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Design and Evaluation of VLSI Architectures for Matrix Problems.
Major Adviser: Prof. S. K. Sahni.
1985. Subbarao Ghanta. B.Tech '81, Jawaharal Nehru Technological University.
Major: Computer and Information Sciences. Minor: Electrical Engineering.
Thesis: On the Integration of Queueing Networks and Generalized Stochastic Petri Nets for the Performance Evaluation of Computer Systems.
Major Adviser: Prof. S. C. Bruell.
1985. Mohammad Ali Ketabchi. M.S. '81, George Washington University.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: On the Management of Computer Aided Design Databases.
Major Advisers: Profs. V. A. Berzins and K. J. Maly.

Computer and Information Sciences

1985. Michael Abueg Palis. B.S.E.E. cum laude '79, B.S. magna cum laude '80, University of the Philippines.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Techniques for Design and Analysis of Systolic Systems.
Major Adviser: Prof. O. H. Ibarra.

1985. Panayote Miltiades Pardalos. Diploma '77, National and Capodistrian University of Athens; M.A. '83, University of Minnesota.
Major: Computer and Information Sciences. Minor: Mathematics. Thesis: Integer and Separable Programming Techniques for Large Scale Global Optimization Problems.
Major Adviser: Prof. J. B. Rosen.

1985. Tak Sun Yuen. B.C.Sci. with high distinction '74, M.S. '77, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: A Study of Hashing-Based Dynamic File Structures for Associative Retrieval.
Major Advisers: Profs. D. H. Du and W. D. Munro.

1986. Kou-Chuan Chang. B.S.E. '79, National Taiwan University; M.S. '84, University of Minnesota.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: On Via Minimization and Layer Assignment Problems.
Major Advisers: Profs. D. H. Du and O. H. Ibarra.

1986. Li-Shin Lin. B.S. '77, Tatung Institute of Technology.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Placement and Routing For Structured Standard Cell Chips.
Major Advisers: Profs. S. K. Sahni and E. B. Shragowitz.

1986. Qi Lu.
Major: Computer and Information Sciences. Minor: Supporting Program.
Thesis: Rapid Prototyping for Large Ada Software System Design.
Major Advisers: Profs. W. D. Munro and V. A. Berzins.

1986. Surendra Nahar. B.Tech. '82, Indian Institute of Technology; M.S. '85, University of Minnesota.
Major: Computer and Information Sciences. Minor: Electrical Engineering.
Thesis: Algorithms for VLSI Cad.
Major Adviser: Prof. S. K. Sahni.

Control Science and Dynamical Systems

1984. Robert Lester Alford. B.S.A.E.'71, M.A.'75, University of Alabama.
Major: Control Science and Dynamical Systems. Minor: Supporting Program.
Thesis: Optimal Estimation and Control of Sampled-Data Hereditary Systems.
Major Adviser: Prof. E. B. Lee.

1984. Stephen David Brierley. B.S. with honors '77, The University of Warwick; M.S.E.E.'79, University of Minnesota.
Major: Control Science and Dynamical Systems. Thesis: Stability and Stabilization of Generalized Linear Systems.
Major Adviser: Prof. E. B. Lee.

1984. John Nelson Chiasson. B.S. with high distinction '73, University of Arizona; M.S.E.E.'78, Washington State University.
Major: Control Science and Dynamical Systems. Thesis: Control and Regulation of Generalized Linear Systems.
Major Adviser: Prof. E. B. Lee.

1984. Wu-Sheng Lu. Diploma '64, Fudan University; M.S.E.E.'83, University of Minnesota.
Major: Control Science and Dynamical Systems. Thesis: Simplification and Regulation of Generalized Linear Systems.
Major Adviser: Prof. E. B. Lee.

Control Science and Dynamical Systems

1984. Hongren Zhou. Diploma '62, Beijing Aeronautical and Astronautical Institute.

Major: Control Science and Dynamical Systems. Thesis: Tracking of Maneuvering Targets.

Major Adviser: Prof. K. S. P. Kumar.

1985. Cheng-Chih Chu. B.S. '77, National Chiao Tung University; M.S.E.E. '81, University of Minnesota.

Major: Control Science and Dynamical Systems. Thesis: H-Infinity Optimization and Robust Multivariable Control.

Major Adviser: Prof. E. B. Lee.

1985. Krzysztof Wojciech Przytula. M.S. '74, Technical University of Lodz; M.A. '78, University of Lodz.

Major: Control Science and Dynamical Systems. Minor: Supporting Program. Thesis: Design of VLSI Algorithms and Architectures For Digital Image and Signal Processing.

Major Adviser: Prof. E. B. Lee.

Control Sciences

1977. Robert Franklin Stover. B.S.E.E. with distinction '58, Stanford University.

Major: Control Sciences. Minor: Supporting Program. Thesis: Linear Equivalences in Hereditary Control Systems.

Major Adviser: Prof. E. B. Lee.

1978. Richard Val Houska. A.B. '68, Rutgers University.

Major: Control Sciences. Thesis: The Development of Computational Procedures for a Special Class of Stochastic Control Systems.

Major Adviser: Prof. S. J. Kahne.

1980. Michael Francis Barrett. B.E.E. with distinction '71, M.S.E.E. '77, University of Minnesota.

Major: Control Sciences. Thesis: Conservatism with Robustness Tests for Linear Feedback Control Systems.

Major Adviser: Prof. E. B. Lee.

1980. Nahum Ben-Zion Goldstein. Ing. Mechanica '74, Universidad Simon Bolivar.

Major: Control Sciences. Thesis: Decentralized Control Strategies for Linear Systems with Application to Freeway Traffic Regulation.

Major Adviser: Prof. K. S. Kumar.

1981. Paul Cheng-King Huang. B.S. '70, Taiwan Cheng Kung University; M.S. '74, University of Texas, El Paso; M.S.E.E. '80, University of Minnesota.

Major: Control Sciences. Minor: Supporting Program. Thesis: Design of Reliable Decentralized Control and Estimation Schemes for Large-Scale Systems.

Major Adviser: Prof. Malur Sundareshan.

1982. Elena Fernandez-Berdauer. Licenciado '69, Universidad de Buenos Aires.

Major: Control Sciences. Minor: Supporting Program. Thesis: Optimal Control of Hereditary Systems.

Major Adviser: Prof. E. B. Lee.

1982. Abolghassem Mahmoodi. B.S.E.E. with distinction '76, M.S.E.E. '78, University of Minnesota.

Major: Control Sciences. Minor: Supporting Program. Thesis: An Adaptive Technique for Optimal Target Detection in Variable Clutter Environment.

Major Adviser: Prof. Mostafa Kaveh.

Electrical Engineering

1976. Wai-Keung Chan. B.S.'65, M.S.'67, University of Hong Kong.
Major: Electrical Engineering. Minor: Mathematics. Thesis: State Estimation for Nonlinear Systems via Quasilinearization.
Major Adviser: Prof. K. S. Kumar.
1976. Hussein Ibrahim Hanafi. B.E.E.'67, Cairo University; M.S.E.E.'73, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Low Frequency Noise in HgCdTe Detectors.
Major Adviser: Prof. Aldert van der Ziel.
1977. Bernard Louis Grung. B.S.'67, Wisconsin State University; M.S.E.E.'72, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Investigation of the Lock-Layer Transistor Structure.
Major Adviser: Prof. R. M. Warner, Jr.
1977. Thomas Ernest Hendrickson. B.Math. with distinction '72, M.S.'75, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: The Physical Mechanisms of Spreading Resistance Measurements on Silicon.
Major Adviser: Prof. R. M. Warner, Jr.
1977. Cesar German Pereira. B.A.'65, St. Mary's College; M.S.E.E.'68, Marquette University.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: An Optimum Static State Estimator Design Methodology for Electric Power Control Systems.
Major Adviser: Prof. V. D. Albertson.
1978. Milorad R. Buric. Dip.'71, University of Belgrade; M.S.E.E.'75, University of Minnesota.
Major: Electrical Engineering. Minor: Mathematics. Thesis: Optimal Regulation of Nonlinear Systems by Methods of Tensor Algebra.
Major Adviser: Prof. E. B. Lee.
1978. Sheng-Yueh Pai. B.S.'70, National Taiwan University; M.S.'73, University of Minnesota.
Major: Electrical Engineering. Minor: Metallurgy and Materials Science. Thesis: Theory and Experiments of Low-Frequency 1/f Noise in Mosfet's.
Major Adviser: Prof. Aldert van der Ziel.
1978. Maw-Kuei Tsai. B.S.Eng.'67, National Taiwan University.
Major: Electrical Engineering. Minor: Mathematics. Thesis: Generation of Symbolic Network Functions and Statistical Variability Measures.
Major Adviser: Prof. B. A. Shenoi.
1979. Charanjit Singh Bhatia. B.Sc.'71, University of Delhi; M.S.'73, North Dakota State University.
Major: Electrical Engineering. Minor: Physics. Thesis: Infrared Mixing and Detection of Schottky Barrier and Metal-Oxide-Metal Diodes.
Major Adviser: Prof. Aldert van der Ziel.
1979. Atulkumar Kantilal Bhatt. B.Tech. with honours '74, Indian Institute of Technology; M.S.E.E.'76, University of Minnesota.
Major: Electrical Engineering. Thesis: Application of Error-Checking Techniques to Computer Memory Systems.
Major Adviser: Prof. L. L. Kinney.
1979. Jeffrey Edwin Froyd. B.S.'74, Rose-Hulman Institute of Technology.
Major: Electrical Engineering. Thesis: Information Costs in Multiple Person Decision Problems.
Major Adviser: Prof. F. N. Bailey.

Electrical Engineering

1979. Hugh Russell Grinolds. B.E.E. with distinction '74, M.S.E.E.'76, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Sintered Pd/Ge Contacts to GaAs.
Major Adviser: Prof. G. Y. Robinson.
1979. Alan Lee Kachelmyer. B.E.E. with high distinction '73, University of Minnesota; M.S.'75, Syracuse University.
Major: Electrical Engineering. Minor: Statistics. Thesis: Digital Signalling in Multiuser Dispersive Channels.
Major Adviser: Prof. J. H. Park.
1979. David Chaur-Ming Lin. B.S.'71, National Taiwan University; M.S.E.E.'74, University of Minnesota.
Major: Electrical Engineering. Thesis: A Distributed Computer System for Traffic Control.
Major Adviser: Prof. L. L. Kinney.
1979. Don Eugene Olson. B.S.E.E. with high honors '66, Milwaukee School of Engineering; M.S.'68, University of Colorado.
Major: Electrical Engineering. Minor: Mathematics. Thesis: Model-Following Longitudinal Control of Automated Transit Vehicles.
Major Advisers: Profs. W. L. Garrard and E. B. Lee.
1979. Rolf Robert Olson. B.E.E. with distinction '74, M.S.E.E.'77, University of Minnesota.
Major: Electrical Engineering. Thesis: Sputtering of Multicomponent Surfaces: Surface Composition Changes Under Ion Bombardment and Angular Ejection Distributions of Sputtered Species.
Major Adviser: Prof. G. K. Wehner.
1979. Bindiganavle Raghavan Suresh. B.Sc. with honours '70, Bangalore University; B.E. with distinction '73, Indian Institute of Science; M.S.E.E.'75, University of Minnesota.
Major: Electrical Engineering. Minor: Statistics. Thesis: Two-Dimensional Kalman Filtering and Its Application to Image Restoration.
Major Adviser: Prof. B. A. Shenoi.
1980. Gadi Eisenstein. B.S.'75, University of Santa Clara; M.S.'78, University of Minnesota.
Major: Electrical Engineering. Thesis: Infrared Detection with Point Contact-Metal Semiconductor Diodes.
Major Adviser: Prof. K. S. Champlin.
1980. Richard Alan Fundakowski. B.S.E.E. summa cum laude '73, Lafayette College; M.S.'75, Rutgers University.
Major: Electrical Engineering. Thesis: Stability and Control of Compartmental Systems with Application to Cell Cycle Kinetics and Cancer Chemotherapy.
Major Adviser: Prof. Malur Sundareshan.
1980. Suk Ki Kim. B.E.'73, M.E.'75, Korea University; M.S.E.E.'79, University of Minnesota.
Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in Silicon FET'S and Amorphous Silicon Resistors.
Major Adviser: Prof. Aldert van der Ziel.
1980. Eileen M. Murray. B.S.E.E. with distinction '75, Northwestern University; M.S.E.E.'78, University of Minnesota.
Major: Electrical Engineering. Thesis: An Investigation of the Contoured-Oxide Monolithic Series-Array Solar Battery.
Major Adviser: Prof. R. M. Warner, Jr.
1980. Thomas Edmund Zipperian. B.S.E.E. with distinction '75, Montana State University; M.S.E.E.'78, University of Minnesota.
Major: Electrical Engineering. Thesis: A Study of the Channel-Collector and Integrated-Cascode Transistors.
Major Adviser: Prof. R. M. Warner, Jr.

Electrical Engineering

1981. Renuka Prasad Jindal. B.S. with honors '73, Ramjas College; B.E.'76, Indian Institute of Science; M.S.E.'78, University of Minnesota. Major: Electrical Engineering. Thesis: Bulk and Surface Effects on Noise and Signal Behavior Of Semiconductor Devices. Major Advisers: Profs. R. M. Warner, Jr. and Aldert van der Ziel.

1981. David Gordon Kuehn. B.S. with honors '69, California Institute of Technology; M.S.'78, University of Minnesota. Major: Electrical Engineering. Minor: Metallurgy and Materials Science. Thesis: Investigations of Non-Equilibrium Plasmas Utilizing Mass and Optical Spectroscopy. Major Adviser: Prof. L. M. Chanin.

1981. Pauline Markenscoff. Diploma '75, National Technical University of Athens; M.S.'77, University of Minnesota. Major: Electrical Engineering. Thesis: Performance Evaluation of a Multiple Processor System with Shared Busses. Major Adviser: Prof. L. L. Kinney.

1981. Haksong Park. B.E.'68; M.S.'72, Hanyang University. Major: Electrical Engineering. Thesis: 1/f Noise in Mosfets and Jfets. Major Adviser: Prof. Aldert van der Ziel.

1982. Kostas G. Amberiadis. Diploma '75, University of Patras; M.Eng.'78, Carleton University. Major: Electrical Engineering. Minor: Supporting Program. Thesis: G-R and 1/F Noise in Semiconductor Devices. Major Adviser: Prof. Aldert van der Ziel.

1982. Stephen Paul Bruzzone. B.S. with honor '76, North Dakota State University. Major: Electrical Engineering. Minor: Supporting Program. Thesis: Information Considerations in the Design of Autocorrelation-Based Arma Parameter Estimators. Major Adviser: Prof. Mostafa Kaveh.

1982. Ender Hokelek. B.E.E. with distinction '76, M.S.E.E.'78, University of Minnesota. Major: Electrical Engineering. Minor: Supporting Program. Thesis: A Study of Schottky Contacts on Indium Phosphide. Major Adviser: Prof. G. Y. Robinson.

1982. Thomas Raymond Ohnstein. B.E.E. with distinction '75, M.S.E.E.'77, University of Minnesota. Major: Electrical Engineering. Minor: Supporting Program. Thesis: An Investigation of Silicon Nitride on Gallium Arsenide. Major Adviser: Prof. G. Y. Robinson.

1982. Andrej Peczalski. B.S.E.E. with distinction '79, M.S.E.E.'81, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: Low Frequency Noise in GaAs Devices. Major Adviser: Prof. Aldert van der Ziel.

1982. Abolghasem Asadollah Raie. B.E.E.'73, Arya Mehr University of Technology; M.S.E.E.'79, University of Minnesota. Major: Electrical Engineering. Minor: Computer and Information Sciences. Thesis: Toward Distributed Schedulers for Distributed Computer Systems. Major Adviser: Prof. R. Y. Kain.

1982. Richard Lawrence Rylander. B.E.E. with distinction '76, M.S.E.E.'77, University of Minnesota. Major: Electrical Engineering. Minor: Supporting Program. Thesis: A Laser-Scanned Ultrasonic Microscope Incorporating a Time-Delay Interferometer Detector. Major Adviser: Prof. R. K. Mueller.

Electrical Engineering

1982. Parviz Vahdat-Afshari. B.S.'75, M.S.'76, Tehran University; M.S.E.E.'78, University of Southern California.
Major: Electrical Engineering. Minor: Computer and Information Sciences.
Thesis: Design and Analysis of a Network Computer.
Major Advisers: Profs. R. Y. Kain and S. C. Bruell.
1983. Rolf Charles Enger. B.A. summa cum laude '72, St. Olaf College; M.S.'77, Air Force Institute of Technology.
Major: Electrical Engineering. Minor: Physics. Thesis: Holographic Optical Elements with Ultra-High Spatial Frequencies.
Major Adviser: Prof. S. K. Case.
1983. Vijay Sourirajan Iyengar. B.Tech.'78, Indian Institute of Technology, Madras; M.S.E.E. '80, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Concurrent Testing of Microprogrammed Control Units and Systolic Arrays.
Major Adviser: Prof. L. L. Kinney.
1983. Kwyro Lee. B.S.'76, Seoul National University; M.S.E.E.'81, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Modulation Doped (Al, Ga)As/GaAs Heterojunction Field Effect Transistor.
Major Advisers: Profs. Allen Nussbaum and Michael Shur.
1983. Armin Metze. B.S.E.E.'77, University of Manitoba; M.S.E.E.'80, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Theoretical Modeling of Gas Transport Phenomena in D.C. Glow Discharge Plasmas.
Major Adviser: Prof. H. J. Oskam.
1983. Kostas N. Oikonomou. B.S.E.E. with high distinction '76, M.S.E.E.'78, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Fault Detection Using Abstracted Models of Finite-State Machines.
Major Adviser: Prof. R. Y. Kain.
1983. Mehrdad Soumekh. B.E.E. with high distinction '79, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Inverse Scattering with Application to Acoustic Tomography.
Major Adviser: Prof. Mostafa Kaveh.
1984. Tzu-Hung Chen. B.Ed.'76, Taiwan Provincial College of Education; M.Sc.'78, National Taiwan Normal University.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: High Speed GaAs Device and Integrated Circuit Modelling and Simulation.
Major Adviser: Prof. Michael Shur.
1984. Kuang-Hann Duh. B.S.Eng.'77, National Taiwan University.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Noise in Semiconductor Devices.
Major Adviser: Prof. Aldert van der Ziel.
1984. Lein Harn. B.S.E.'77, National Taiwan University; M.S.'80, State University of New York at Stony Brook.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Design of Two-Dimensional Recursive Digital Filters.
Major Adviser: Prof. B. A. Shenoi.
1984. Dong-Hyuk Ju. B.S.E.'74, Seoul National University; M.S.'76, Korea Advanced Institute of Science.
Major: Electrical Engineering. Minor: Physics. Thesis: Device Modeling for Advanced Integrated Circuits.
Major Adviser: Prof. R. M. Warner, Jr.

Electrical Engineering

1984. ChoonKyung Kim. B.S.E.'74, Seoul National University; M.S.'81, University of Iowa.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: An Automatic Chip Floor Planning System for VLSI Circuit Design.
Major Adviser: Prof. E. B. Lee.
1984. Kang Woo Lee. B.S.E.'76, Seoul National University; M.S.E.E.'83, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Characterization, Modeling and Circuit Design of GaAs Mesfet's.
Major Adviser: Prof. Michael Shur.
1984. Bruce James Lind. B.C.E. with distinction '73, B.E.E.'75, M.S.E.E.'78, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Radiation-Induced Cataphoretic Isotope Separation in He-Ne Discharges.
Major Adviser: Prof. J. A. Carruthers.
1984. Branislav Jovan Vajdic. Diploma '78, Novi Sad University; M.S.E.E.'81, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Design Methodology for Three Dimensional CMOS Integrated Circuits.
Major Adviser: Prof. A. A. Tuszynski.
1984. Edward Ralph Wuori. B.E.E.'65, M.S.E.E.'70, University of Minnesota.
Major: Electrical Engineering. Minor: Mathematics. Thesis: Magnetization Reversal Mechanisms in Sputtered CoCr Films With Perpendicular Magnetic Anisotropy.
Major Adviser: Prof. J. K. Judy.
1985. Aloke Guha. B.Tech '80, Indian Institute Technology Kanpur; M.S.E.E.'82, University of Minnesota.
Major: Electrical Engineering. Minor: Computer and Information Sciences. Thesis: Concurrent Testing of Microprogrammed Control Units and Combinational Logic.
Major Adviser: Prof. L. L. Kinney.
1985. Choong Ho Hyun. B.E.E.'80, M.S.E.E.'82, University of Minnesota.
Major: Electrical Engineering. Minor: Physics. Thesis: Analysis and Design of Novel Semiconductor Devices and Integrated Circuits.
Major Adviser: Prof. Michael Shur.
1985. Anthony Joseph Valois. B.E.E. with high distinction '79, M.S.E.E.'81, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: An Investigation of Deep Levels in Aluminum Gallium Arsenide/Gallium Arsenide Modulation-Doped Heterojunction Structures.
Major Adviser: Prof. G. Y. Robinson.
1985. James Michael Van Hove. B.E.E. with distinction '80, M.S.E.E.'82, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Examination of the Growth and Evaporation of Gallium Arsenide (001) Using Reflection High Energy Electron Diffraction.
Major Adviser: Prof. P. I. Cohen.
1985. Gregory Howard Wakefield. B.A. summa cum laude '78, M.S.E.E.'82, University of Minnesota.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: High-Fidelity Estimation of Continuous Spectra.
Major Adviser: Prof. Mostafa Kaveh.
1985. Hong Wang. M.E.E.'81, Northwest Telecommunication Engineering Institute.
Major: Electrical Engineering. Minor: Supporting Program. Thesis: Multiple-Target Direction Finding.
Major Adviser: Prof. Mostafa Kaveh.

Electrical Engineering

1986. Chii-Fa Chiou. B.S.E. '74, M.S.E. '78, National Taiwan University. Major: Electrical Engineering. Minor: Computer and Information Sciences. Thesis: Design and Implementation of Fully Integrated High Frequency Filters. Major Adviser: Prof. Rolf Schaumann.

1986. Hasan Ali ElHuni. B.S. '78, University of Al Fateh; M.S.E.E. '83, University of Minnesota. Major: Electrical Engineering. Minor: Computer and Information Sciences. Thesis: Techniques For Design and Testing of Iterative and Systolic Arrays. Major Adviser: Prof. L. L. Kinney.

1986. Christopher Paul Henze. B.E.E. '81, M.S.E.E. '84, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: Quantized Duty Ratio Control in Switch-Mode Power Converters. Major Adviser: Prof. Narendra Mohan.

1986. Alexander Wayne Hietala. B.E.E. with high distinction '80, M.S.E.E. '83, University of Minnesota. Major: Electrical Engineering. Minor: Supporting Program. Thesis: Iron Terbium Boron Thin Films for Surface Acoustic Wave Devices. Major Adviser: Prof. W. P. Robbins.

1986. Jeffrey Stephan Kueng. B.E.E. '79, M.S.E.E. '81, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: A Unified MOS Device Model for Circuit Simulation. Major Adviser: Prof. Allen Nussbaum.

1986. Xiaonan Zhang. M.S.E.E. '83, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: Low Frequency Noise in Semiconductor Devices. Major Adviser: Prof. Albert van der Ziel.

Fluid Mechanics

1977. Roger Ray Schmidt. B.S.M.E. magna cum laude '68, Bradley University; M.S. '69, University of Minnesota. Major: Fluid Mechanics. Minor: Supporting Program. Thesis: Experiments on Buoyancy-Affected and Buoyancy-Unaffected Turbulent Heat Transfer for Water in a Tube with Circumferentially Nonuniform Heating. Major Adviser: Prof. E. M. Sparrow.

1980. Gregory Dale Nastrom. B.Phys. with distinction '68, M.S. '75, University of Minnesota. Major: Fluid Mechanics. Thesis: Winds and Turbulence Near the Top of the Planetary Boundary Layer from Balloon Measurements. Major Adviser: Prof. H. T. Mantis.

1985. Dean Frederick Long. B.M.E. '79, University of Minnesota. Major: Fluid Mechanics. Minor: Supporting Program. Thesis: Noise Radiation and Coherent Structure in Turbulent Jets: Viscous and Compressibility Effects. Major Adviser: Prof. R. E. A. Arndt.

1985. Reza Taghavi. Diplome d'Ingenieur '80, Ecole Nationale des Ponts et Chaussees. Major: Fluid Mechanics. Minor: Supporting Program. Thesis: Cavitation Inception in Axisymmetric Turbulent Jets. Major Adviser: Prof. R. E. A. Arndt.

Geo-Engineering

1978. Michael Dennis Voegelé. B.Geo.E. with distinction '71, M.S.Geo.E.'72, University of Minnesota.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: An Interactive Graphics Based Analysis of the Support Requirements of Excavations in Jointed Rock Masses.
Major Adviser: Prof. Charles Fairhurst.
1979. Krishna Pratap Sinha. B.Sc.Eng.'64, M.E.'68, Bihar College of Engineering.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Displacement Discontinuity Technique for Analyzing Stresses and Displacements Due To Mining in Seam Deposits.
Major Adviser: Prof. S. L. Crouch.
1982. Gary Delmar Callahan. B.S.M.E.'70, M.S.M.E.'72, South Dakota School of Mines and Technology.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: A Plasticity Approach for Rock Containing Planes of Weakness.
Major Adviser: Prof. S. L. Crouch.
1982. Samuel Sharp. B.S. with honors '75, University of Witwatersrand.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Boundary Element Methods in Quasistatic Thermoelasticity with Applications in Rock Mechanics.
Major Adviser: Prof. S. L. Crouch.
1983. Emmanuel M.M.N. Detournay. Diplome Ing.'76, University of Liege, Belgium; M.S.'79, University of Minnesota.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Two-Dimensional Elastoplastic Analysis of a Deep Cylindrical Tunnel Under Non-Hydrostatic Loading.
Major Adviser: Prof. Charles Fairhurst.
1983. Yongjia Wang. Dipl.'54, Northeastern Institute of Technology.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Numerical Model for Computing Time-Dependent Displacements and Stresses in Rock Mechanics.
Major Adviser: Prof. S. L. Crouch.
1985. Thanu Harnpattanapanich. B.S. '77, Chulalongkorn University; M.S.Geo.E. '81, University of Minnesota.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Numerical Laplace-Fourier Transform Inversion Technique for Soil Consolidation.
Major Adviser: Prof. Ioannis Vardoulakis.
1985. Gideon Leonard. B.Sc. '75, M.Sc. '79, Ben Gurion University of the Negev.
Major: Geo-Engineering. Minor: Supporting Program. Thesis: Fracture Mechanics Analysis of the Validity of Hydraulic Fracturing as a Technique of In-Situ Stress Determination.
Major Adviser: Prof. Charles Fairhurst.

Geology

1976. Richard Charles Holtzman. B.A.'69, University of Minnesota.
Major: Geology. Minor: Supporting Program. Thesis: Late Paleocene Mammals of the Tongue River Formation, North Dakota.
Major Adviser: Prof. R. E. Sloan.
1977. Robert William Baker. B.S.'69, Florida State University; M.S.'72, University of Maine.
Major: Geology. Minor: Supporting Program. Thesis: The Influence of Ice-Crystal Size and Dispersed-Solid Inclusions on the Creep of Polycrystalline Ice.
Major Adviser: Prof. R. B. Hooke.

Geology

1977. Timothy Bailey Holst. B.A.'73, University of Minnesota.
Major: Geology. Minor: Supporting Program. Thesis: The Determination of Finite Strain in Rocks: The Role of Primary Fabric.
Major Adviser: Prof. Peter Hudleston.

1977. David Irwin Norman. B.Phys.'66, University of Minnesota.
Major: Geology. Minor: Supporting Program. Thesis: Geology and Geochemistry of the Tribag Mine, Ontario.
Major Adviser: Prof. F. J. Sawkins.

1978. Paul Allen Delcourt. B.A.'71, Albion College; M.S.'74, Louisiana State University.
Major: Geology. Minor: Supporting Program. Thesis: Quaternary Vegetation History of the Gulf Coastal Plain.
Major Adviser: Prof. H. E. Wright.

1978. Norman M. Evensen. B.A.'64, University of Minnesota.
Major: Geology. Minor: Supporting Program. Thesis: The Nature of the Exotic Component in Lunar Soils and Its Implications for Lunar Differentiation History.
Major Adviser: Prof. V. R. Murthy.

1978. Donald Lester Wolberg. B.A.'68, New York University.
Major: Geology. Minor: Anthropology. Thesis: The Mammalian Paleontology of the Late Paleocene (Tiffanian) Circle and Olive Localities, McCone and Powder River Counties, Montana, with Observations of the Lignite Stratigraphy of the Sentinel Butte Formation of Antelope Valley, Western North Dakota.
Major Adviser: Prof. R. E. Sloan.

1979. Joseph Kowalik, Jr. A.B.'69, Boston University; M.S.'72, University of Minnesota.
Major: Geology. Thesis: Geological, Mineralogical, and Stable Isotope Studies of a Polymetallic Massive Sulfide Deposit: Buchans, Newfoundland.
Major Adviser: Prof. F. J. Sawkins.

1980. Stanley Edward Chernicoff. B.A.'70, Brooklyn College, City University of New York.
Major: Geology. Thesis: The Superior-Lobe and Grantsburg-Sublobe Till: Their Compositional Variability in East-Central Minnesota.
Major Adviser: Prof. H. E. Wright, Jr.

1982. Thomas Warren Carlson. B.S. with honors '73, Wheaton College; M.S.'76, University of Minnesota.
Major: Geology. Minor: Supporting Program. Thesis: Influence of Deep Water Currents on Sedimentation in Lake Superior.
Major Adviser: Prof. T. C. Johnson.

1982. James Eugene Pizzuto. B.A. cum laude '75, Carleton College.
Major: Geology. Minor: Civil Engineering. Thesis: Channel-Forming Processes of Straight Sandbed Streams.
Major Adviser: Prof. R. I. Hooke.

1982. William Lyman Kohrer. B.S. with distinction '73, University of Minnesota; M.R.P.'75, University of Pennsylvania.
Major: Geology. Minor: Civil Engineering. Thesis: Migration of Meanders in Alluvial Rivers.
Major Adviser: Prof. R. I. Hooke.

1983. Kimball Forrest. B.A.'77, Colorado College.
Major: Geology. Minor: Supporting Program. Thesis: Geologic and Isotopic Studies of the Lik Deposit and the Surrounding Mineral District, Delong Mountains, Western Brooks Range, Alaska.
Major Adviser: Prof. F. J. Sawkins.

Geology

1983. Alan Dana Johnston. B.S.'76, Bates College; M.S.'78, University of Minnesota.

Major: Geology. Minor: Supporting Program. Thesis: Mineralogy, Petrology and Geochemistry of Some Unusually Oxidized Rocks from Kauai, Hawaii, and their Entrained Mantle Xenoliths.

Major Adviser: Prof. J. H. Stout.

1983. John William King. B.A.'75, Franklin and Marshall College.

Major: Geology. Minor: Supporting Program. Thesis: Geomagnetic Secular Variation Curves for Northeastern North America for the Last 9,000 Years B.P.

Major Advisers: Profs. H. E. Wright and S. K. Banerjee.

1984. Laure Dosso. Licence '72, Maitrise '73, University de Paris-Sud; Diplôme d'Ingenieur '75, Université Louis Pasteur Strasbourg; DEA '77, Université de Rennes.

Major: Geology. Minor: Supporting Program. Thesis: The Nature of the Precambrian Subcontinental Mantle: Isotopic Study (Sr, Pb, Nd) of the Keweenaw Volcanism of the North Shore of Lake Superior.

Major Adviser: Prof. V. R. Murthy.

1984. Abdelmonem Abdelfattah Eldoudoug. B.Sc. with first class honors '70, M.S.'75, Cairo University.

Major: Geology. Minor: Supporting Program. Thesis: Petrology and Geochemistry of the Volcano-Sedimentary Glen Township Formation, Aitkin County, East-Central Minnesota: Implications for Gold Exploration.

Major Adviser: Prof. P. W. Weiblen.

1984. Joseph Herbert Hartman. B.S. with honors '72, University of Wisconsin, Milwaukee; M.S.'76, University of Minnesota.

Major: Geology. Minor: Supporting Program. Thesis: Systematics, Biogeography, and Biostratigraphy of Uppermost Cretaceous and Early Tertiary Viviparidae (Mollusca, Gastropoda) of Southern Saskatchewan, Western North Dakota, Eastern Montana, and Northern Wyoming.

Major Advisers: Profs. F. M. Swain and R. E. Sloan.

1985. Frederick Wolfer Vollmer. B.S. '77, University of California, Davis.

Major: Geology. Minor: Supporting Program. Thesis: A Structural Study of the Grovdal Fold-Nappe, Northern Dovrefjell, Central Norway.

Major Adviser: Prof. P. J. Hudleston.

1986. David Sean O'Hanley. B.S. cum laude '80, Bridgewater State College. Major: Geology. Minor: Supporting Program. Thesis: The Origin and the Mechanical Properties of Asbestos.

Major Adviser: Prof. T. Z. Zoltai.

Geophysics

1978. Phyllis Ann Sobel. B.S.'69, Pennsylvania State University.

Major: Geophysics. Minor: Supporting Program. Thesis: The Phase P'dP' as a Means of Determining Upper Mantle Structure.

Major Adviser: Prof. H. M. Mooney.

1979. Stewart Alan Greenhalgh. B.S. with honours '73, M.S.'77, University of Sydney.

Major: Geophysics. Thesis: Studies with a Small Seismic Array in East-Central Minnesota.

Major Adviser: Prof. H. M. Mooney.

1980. J. Michael Brown. B.S.'75, M.A.'78, University of Washington.

Major: Geophysics. Thesis: Thermodynamic Properties for Iron at Very High Pressures: Implications for the Earth's Core.

Major Adviser: Prof. G. H. Shaw.

Geophysics

1980. Charles Clinton Mosher. B.S. with distinction '78, M.S.'79, University of Minnesota.
Major: Geophysics. Thesis: Signal Processing Techniques Applied to a Small Circular Seismic Array.
Major Adviser: Prof. H. M. Mooney.
1980. Bruce Matthew Moskowitz. B.S.'74, University of Arizona.
Major: Geophysics. Thesis: A Laboratory Study of the Magnetic Properties of Synthetic Titanomagnetites: Implications for the Magnetic Properties of Ocean Basalts.
Major Adviser: Prof. S. K. Banerjee.
1981. Khaled Ali Bagdadi. B.S.'73, University of Libya; M.S.'77, University of Minnesota.
Major: Geophysics. Thesis: Tectonic Studies of the Midcontinent Gravity High in East-Central Minnesota and Western Wisconsin: Part I: Gravity Field and Crustal Structure; Part II: Application of Phase Transition Models to the Precambrian Vertical Motion History.
Major Adviser: Prof. C. G. Chase.
1981. Steven Phillip Lund. B.S.'72, University of North Dakota; M.S.'76, University of Minnesota.
Major: Geophysics. Minor: Supporting Program. Thesis: Late Quaternary Secular Variation of the Earth's Magnetic Field as Recorded in the Wet Sediments of Three North American Lakes.
Major Adviser: Prof. S. K. Banerjee.
1983. Santi Kumar Ghosh. M.S.'77, Indian Institute of Technology.
Major: Geophysics. Minor: Supporting Program. Thesis: Theoretical Studies on Seismic Reflections From Vertically Inhomogeneous Media.
Major Adviser: Prof. H. M. Mooney.
1984. Nigel James Watrus. B.S. with honors '78, University of Birmingham.
Major: Geophysics. Minor: Supporting Program. Thesis: Two-Dimensional Velocity Anomaly Reconstruction by Seismic Tomography.
Major Adviser: Prof. H. M. Mooney.
1985. Mohammed Badri. B.Sc. '75, Damascus University.
Major: Geophysics. Minor: Supporting Program. Thesis: Seismic Wave Attenuation in Unconsolidated Sediments.
Major Adviser: Prof. H. M. Mooney.
1985. Donald Richard Sprowl. B.A. cum laude '78, Houghton College.
Major: Geophysics. Minor: Supporting Program. Thesis: The Paleomagnetic Record from Elk Lake, MN, and Its Implications.
Major Adviser: Prof. S. K. Banerjee.

History of Science and Technology

1982. Eda Fowlks Kranakis. B.A. magna cum laude '73, Luther College.
Major: History of Science and Technology. Minor: Supporting Program. Thesis: Case Studies in the Diffusion of Technology Between France and America in the Nineteenth Century.
Major Adviser: Prof. E. T. Layton.
1984. Naum S. Kipnis. Diploma '60, Jitomir Pedagogical Institute.
Major: History of Science and Technology. Minor: Physics. Thesis: History of the Principle of Interference.
Major Adviser: Prof. A. E. Shapiro.
1985. Frederick Hugh Fellows. B.S. '76, Yale University; M.S. '80, University of Minnesota.
Major: History of Science and Technology. Minor: Supporting Program. Thesis: J.H. Van Vleck: The Early Life and Work of a Mathematical Physicist.
Major Adviser: Prof. R. H. Stuewer.

Hydrogeology

1981. Donald Ira Siegal. B.S.'69, University of Rhode Island; M.S.'72, Pennsylvania State University.
Major: Hydrogeology. Minor: Civil Engineering. Thesis: Hydrogeochemistry and Kinetics of Silicate Weathering in a Gabbroic Watershed, Filson Creek, Northeastern Minnesota.
Major Adviser: Prof. H. O. Pfannkuch.

Industrial Engineering

1979. Dimitrios Karakitsos. Diploma of Mechanical and Electrical Engineering '62, National Metsovean Technical University of Athens; M.S.I.E.'71, University of Minnesota.
Major: Industrial Engineering. Minor: Mathematics. Thesis: Dynamic Financial Policies of the Firm Under Uncertainty.
Major Adviser: Prof. S. R. Arora.

Mathematics

1976. Thomas Allen Farmer. B.Math. with high distinction '70, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: On Certain Degenerate Principal Series of Representations of $SP(N, C)$.
Major Adviser: Prof. S. A. Gaal.

1976. David Lee Johnson. B.Math. with high distinction '68, University of Minnesota; M.S.E.E.'71, Syracuse University.
Major: Mathematics. Minor: Computer and Information Sciences. Thesis: The Theory of Distributions on Locally Compact Groups with Applications to Group Representations.
Major Adviser: Prof. Jesus Gil de Lamadrid.

1976. Hee Kyung Kang. B.S. cum laude '70, Sogang University.
Major: Mathematics. Minor: Internal. Thesis: A General Definition of Convolution for Distributions.
Major Adviser: Prof. J. I. Richards.

1976. John Jeffrey Langren. B.A. with high distinction '69, M.S.'71, University of Minnesota.
Major: Mathematics. Minor: Internal. Thesis: Essential Self-Adjointness of Dirac Operators.
Major Adviser: Prof. P. A. Rejto.

1976. William Joseph Satzer, Jr. B.A. summa cum laude '70, College of St. Thomas.
Major: Mathematics. Minor: Internal. Thesis: Canonical Reduction of Mechanical Systems Invariant under Abelian Group Actions with an Application to Celestial Mechanics.
Major Adviser: Prof. R. P. McGehee.

1977. Jerome Lehman Caldwell, Jr. B.A.'65, Rice University; M.S.'73, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: Fourier-Weiner Transforms of Functionals of One and Several Wiener Variables.
Major Advisers: Profs. R. H. Cameron and D. A. Storvick.

1977. Linda Marie Davis. B.S. with high honor '69, Michigan State University.
Major: Mathematics. Minor: Internal. Thesis: Self-Reflexive Banach Spaces.
Major Adviser: Prof. S. A. Gaal.

1977. Robert Harold Hanks. B.A.'69, M.S.'73, University of Minnesota.
Major: Mathematics. Minor: Internal. Thesis: Interpolation by the Real Method Involving BMO and Weak Properties of Iterate Operators.
Major Adviser: Prof. N. M. Riviere.

Mathematics

1978. Nestor Edgardo Aguilera. Lic. Mathematics '71, Universidad de Buenos Aires.
Major: Mathematics. Minor: Supporting Program. Thesis: A Particular Case of the One-Phase Stefan Problem.
Major Adviser: Prof. L. A. Caffarelli.
1978. Timothy John Carlson. B.Math. with distinction '73, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: Some Results on Finitely Additive Measures and Infinitary Combinatorics.
Major Adviser: Prof. K.L. Prikry.
1978. Eleonor Harboure de Aguilera. Lic. Mathematics '70, Universidad de Buenos Aires.
Major: Mathematics. Minor: Supporting Program. Thesis: L^p -Multipliers and Pointwise Convergence.
Major Adviser: Prof. E. B. Fabes.
1978. Beverly Bailey Hargraves. B.A. magna cum laude '71, Carleton College.
Major: Mathematics. Minor: Supporting Program. Thesis: The Existence of Regular Orbits for Nilpotent Groups.
Major Adviser: Prof. T. R. Berger.
1979. Angel Gutierrez. Licenciado '67, Universidad Complutense de Madrid.
Major: Mathematics. Minor: Internal. Thesis: A Priori L^p -Estimates for the Solution of the Navier Equations of Elasticity, Given the Forces on the Boundary.
Major Adviser: Prof. E. B. Fabes.
1979. Robert Randolph Hastings, Jr. B.S. with distinction '73, M.A.'75, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: The Interrelationship Between the Theory of Characteristic Exponents and the Spectral Theory.
Major Adviser: Prof. G. R. Sell.
1979. James Allen Hewitt. B.A.'70, Northwestern University.
Major: Mathematics. Minor: Internal. Thesis: A Characterization of Component Type Finite Groups Which Contain the Centralizer of an Involution with an $Sp(2m, q)$ 2-Component.
Major Adviser: Prof. M. E. Harris.
1979. Donald John Kleven. B.Math. with high distinction '69, University of Minnesota.
Major: Mathematics. Thesis: A Characterization of the Regular Simplex by Its Minimal Volume for a Fixed Width.
Major Adviser: Prof. Alfred Aeppli.
1979. William Stanley Lastufka. B.S.'70, Marquette University; M.A.'77, University of Minnesota.
Major: Mathematics. Thesis: Tight Topological Immersions of Surfaces in Euclidean Space.
Major Adviser: Prof. W. L. Pohl.
1979. James Milton Marver. A.B.'65, Indiana University.
Major: Mathematics. Thesis: Gelfand-Segal Representations of a Full Hilbert Algebra.
Major Adviser: Prof. Jesus Gil de Lamadrid.
1979. Lawrence Joel Marx. B.A.'68, Pomona College.
Major: Mathematics. Minor: Internal. Thesis: Cohen-Macaulay Rings with Monomial Gradings.
Major Adviser: Prof. J. L. Roberts.
1979. Richard Howard Scissors. B.S.'73, University of Missouri.
Major: Mathematics. Thesis: Multiparameter Levy Processes.
Major Adviser: Prof. N. C. Jain.

Mathematics

1979. Hing-Yuen Dominic Wong. B.S.'72, National Taiwan University.
Major: Mathematics. Thesis: Controllability for Nonlinear Differential Equations in Infinite Dimensional Spaces.
Major Adviser: Prof. Lawrence Markus.
1980. Clayton Charles Bromley. B.S. with honors '70, Case Western Reserve University.
Major: Mathematics. Thesis: Topics in Stochastic Differential Equations and in the Theory of Two-Parameter Gaussian Processes.
Major Adviser: Prof. Gopinath Kallianpur.
1980. Tzuu-Shuh Chiang. B.S.'72, National Taiwan University; M.S.'75, University of Wisconsin.
Major: Mathematics. Thesis: Large Deviation of Markov Processes.
Major Adviser: Prof. Steven Orey.
1980. Michael Craig Cranston. B.Math. with distinction '74, University of Minnesota.
Major: Mathematics. Minor: Internal. Thesis: On the Tail Sigma-Field of Certain Diffusion Processes.
Major Adviser: Prof. Steven Orey.
1980. Robert Alexander Hummel. B.A. with honors '75, University of Chicago.
Major: Mathematics. Thesis: Variational Inequalities for the Hodograph Method in Fluid Mechanics.
Major Adviser: Prof. D. S. Kinderlehrer.
1980. Evangelos Kranakis. Diploma '73, The National and Capodistrian University of Athens.
Major: Mathematics. Thesis: Recursive Analogues of Large Cardinals.
Major Adviser: Prof. W.H. Richter.
1980. Timothy Leslie Strotman. B.A. magna cum laude '72, Brown University.
Major: Mathematics. Minor: Internal. Thesis: The Second Variation of the Pontrjagin Number of a Four Dimensional Manifold Embedded in Euclidean Eight Space.
Major Adviser: Prof. W. F. Pohl.
1980. David Hillel Terman. A.B. magna cum laude '74, Washington University.
Major: Mathematics. Minor: Internal. Thesis: Threshold Phenomena in Nonlinear Diffusion Equations.
Major Adviser: Prof. D. G. Aronson.
1981. Steven R. Dunbar. B.S. with high distinction '74, University of Nebraska.
Major: Mathematics. Thesis: Travelling Wave Solutions of Diffusive Volterra-Lotka Interaction Equations.
Major Adviser: Prof. D. G. Aronson.
1981. Douglas Robert Goodman. B.S.'68, Massachusetts Institute of Technology; M.S.'75, Auburn University.
Major: Mathematics. Minor: Economics. Thesis: Boundary Correspondence for Extremal Quasiconformal Mappings of the n -gon.
Major Adviser: Prof. Edgar Reich.
1981. Tod S. Levitt. B.S.'73, Case Western Reserve University; M.A.'76, University of Minnesota.
Major: Mathematics. Thesis: Framings of Lie Groups Which Extend Over a Nullcobordism.
Major Advisers: Profs. D. L. Frank and Hillel Gershenson.
1981. Roger Yin Man Lui. B.S.'75, University of Minnesota.
Major: Mathematics. Thesis: A Nonlinear Integral Equation Arising from a Model in Population Genetics.
Major Adviser: Prof. H. F. Weinberger.

Mathematics

1981. Helmut Maier. Diplom-Mathematiker '76, Universität Ulm.
Major: Mathematics. Thesis: Some Results on Prime Numbers Based on the Application of Sieve Theory.
Major Adviser: Prof. J. I. Richards.

1981. Daniel Phillips. B.Math. with high distinction '75, University of Minnesota.
Major: Mathematics. Minor: Fluid Mechanics. Thesis: A Free Boundary Value Problem Evolving from the Minimization of a Non-Convex Functional.
Major Adviser: Prof. D. S. Kinderlehrer.

1982. Patricia Ellen Bauman. B.Math. with distinction '75, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: Properties of Nonnegative Solutions of Second-Order Elliptic Equations and Their Adjoints.
Major Adviser: Prof. E. B. Fabes.

1982. Richard Peter DeLong, Jr. B.S. magna cum laude '72, Brigham Young University.
Major: Mathematics. Minor: Supporting Program. Thesis: Killing Tensors and the Hamilton-Jacobi Equation.
Major Adviser: Prof. Williard Miller, Jr.

1982. Philip Stanley Griffin. B.S. with first class honours '76, Bristol University.
Major: Mathematics. Minor: Supporting Program. Thesis: On the Growth of D-Dimensional Random Walk.
Major Adviser: Prof. W. E. Pruitt.

1982. Glen Richard Hall. B.A. magna cum laude '76, Carleton College.
Major: Mathematics. Minor: Supporting Program. Thesis: On Invariant Sets for Certain Maps of the Annulus.
Major Adviser: Prof. R. P. McGehee.

1982. Gene Douglas Johnson. B.S. summa cum laude '74, University of Washington.
Major: Mathematics. Minor: Supporting Program. Thesis: On Minimal Isometric Immersions of Riemannian Surfaces Into the Euclidean Four-Sphere.
Major Adviser: Prof. R. O. Gulliver.

1982. Steven Darrel Johnson. B.A. magna cum laude '74, Westmont College.
Major: Mathematics. Minor: Supporting Program. Thesis: Resolutions of Ideals.
Major Adviser: Prof. J. A. Eagon.

1982. David Chin-Her Lin. B.S.'71, Fu Jen Catholic University.
Major: Mathematics. Minor: Supporting Program. Thesis: The Sufficiency of Matkowsky-Condition in the Problem of Resonance.
Major Adviser: Prof. Yasutaka Sibuya.

1982. Mahesh G. Nerurkar.
Major: Mathematics. Minor: Supporting Program. Thesis: Generic Theorems for Lifting Dynamical Properties in the Class of Continuous Cocycles.
Major Adviser: Prof. H. B. Keynes.

1982. Richard Knox Shaw. B.A.'74, Carleton College.
Major: Mathematics. Minor: Supporting Program. Thesis: A Class of Operators Which Acts on the Hardy Space H^1 and a Related Weight Condition.
Major Adviser: Prof. M. A. Jodeit.

1982. Joji Takahashi. B.S.'73, Kyoto University; M.S.'75, Kobe University.
Major: Mathematics. Minor: Supporting Program. Thesis: Partition and Saturation Properties of Ideals.
Major Adviser: Prof. K. L. Prikry.

Mathematics

1982. Gregory C. Verchota. B.S. with distinction '76, Indiana University.
Major: Mathematics. Minor: Supporting Program. Thesis: Layer Potentials and Boundary Value Problems for Laplace's Equation on Lipschitz Domains.

Major Adviser: Prof. E. B. Fabes.

1982. Peter Waksman. B.A. cum laude '75, Boston University.
Major: Mathematics. Minor: Supporting Program. Thesis: The Associated Function of a Plane Polygon.

Major Adviser: Prof. W. F. Pohl.

1982. In-Suk Wee. B.S.'75, Seoul National University.
Major: Mathematics. Minor: Supporting Program. Thesis: Suprema of Levy Processes.

Major Adviser: Prof. W. E. Pruitt.

1982. Karen Whitehead. B.A.'66, University of Minnesota.
Major: Mathematics. Minor: Supporting Program. Thesis: Products of Generalized Determinantal Ideals and Decompositions under the Action of General Linear Groups.

Major Adviser: Prof. J. A. Eagon.

1982. Rahim Zaare-nahandi. Licentiate '71, Tehran University.
Major: Mathematics. Minor: Supporting Program. Thesis: Seminormality of Certain Generic Projections.

Major Adviser: Prof. J. L. Roberts.

1983. Bau-Sen Du. B.S.'72, M.S.'74, Tsing-Hua University.
Major: Mathematics. Minor: Supporting Program. Thesis: Bifurcations of Diffeomorphisms on R^3 .

Major Adviser: Prof. G. R. Sell.

1983. Adel Aziz George (Adel Aziz). B.S. with distinction with class honors '78, Cairo University.

Major: Mathematics. Minor: Supporting Program. Thesis: Some Results on Groups Related to Compact Riemann Surfaces.

Major Adviser: Prof. Albert Marden.

1983. Gaston Eduardo Hernandez. Magister en Matematica '76, Universidad Tecnica del Estado.

Major: Mathematics. Minor: Supporting Program. Thesis: Existence of Solutions of Populations Problems with Non-Linear Diffusion.

Major Adviser: Prof. D. G. Aronson.

1983. Peter Des Barres March. B.A. with first class honours '78, Dalhousie University.

Major: Mathematics. Minor: Supporting Program. Thesis: Fatou's Theorem for Harmonic Functions of Two-Dimensional Ornstein-Uhlenbeck Processes.

Major Adviser: Prof. Steven Orey.

1984. John Robert Greene. B.Math. with distinction '78, B.Phys. with distinction '78, University of Minnesota.

Major: Mathematics. Minor: Supporting Program. Thesis: Character Sum Analogues for Hypergeometric and Generalized Hypergeometric Functions Over Finite Fields.

Major Adviser: Prof. D. W. Stanton.

1984. Chi-Ping Lau. B.S. with honors '75, M.Phil.'77, The Chinese University of Hong Kong.

Major: Mathematics. Minor: Supporting Program. Thesis: The Boundary Behavior of Solutions of Quasilinear Second Order Elliptic Partial Differential Equations Arising from Geometrical Problems.

Major Adviser: Prof. J. C. Nitsche.

Mathematics

1984. Kevin Bryce McLeod. B.S. with first class honours '78, University of London.
Major: Mathematics. Minor: Supporting Program. Thesis: Uniqueness of Positive Radial Solutions of Semi-Linear Elliptic Equations in n -space.
Major Adviser: Prof. J. B. Serrin.
1984. Manuel Oliveira Ricou. Lic.'75, Universidade Tecnica de Lisbon.
Major: Mathematics. Minor: Supporting Program. Thesis: Energy, Entropy and the Laws of Thermodynamics.
Major Adviser: Prof. J. B. Serrin.
1984. Chrispian Ellis Shelton. B.S.'73, University of Texas, El Paso; M.S.Math.'77, University of New Hampshire.
Major: Mathematics. Minor: Supporting Program. Thesis: Regular Modules for Subgroups of Solvable Groups.
Major Adviser: Prof. T. R. Berger.
1984. Meir Shemesh. B.Sc.'69, M.Sc.'70, The Hebrew University of Jerusalem.
Major: Mathematics. Minor: Statistics. Thesis: Clustering and Weak Convergence of a Sequence of Stochastic Processes.
Major Adviser: Prof. N. C. Jain.
1985. Marco Marcelo Avellaneda. Licenciado '81, Universidad de Buenos Aires.
Major: Mathematics. Minor: Supporting Program. Thesis: Large Deviation Estimates and the Homological Behavior of Brownian Motion on Manifolds.
Major Adviser: Prof. N. C. Jain.
1985. Josephus Cornelius Baeten. Doctoral Examen '78, State University of Utrecht.
Major: Mathematics. Minor: Philosophy. Thesis: Filters and Ultrafilters over Definable Subsets of Admissible Ordinals.
Major Adviser: Prof. W. H. Richter.
1985. Carol Eve Bezuidenhout. B.A. '77, B.S. with honors '78, University of Witwatersrand.
Major: Mathematics. Minor: Statistics. Thesis: Small Random Perturbations of Stochastic Systems.
Major Adviser: Prof. Steven Orey.
1985. Michel Jean Carpentier. Licence '76, Maitrise '76, University de Rennes; Licence '77, DEA '77, University de Rennes.
Major: Mathematics. Minor: Supporting Program. Thesis: p -Adic Cohomology of Generalized Hyperkloosterman Sums.
Major Adviser: Prof. S. I. Sperber.
1985. Laura Mariko Chihara. B.S. '79, University of Washington.
Major: Mathematics. Minor: Supporting Program. Thesis: Applications of the Askey-Wilson Polynomials to Association Schemes.
Major Adviser: Prof. D. W. Stanton.
1985. Douglas Paul Dokken. B.A., B.S. cum laude '73, Moorhead State College; M.S. '75, North Dakota State University.
Major: Mathematics. Minor: Supporting Program. Thesis: u -Harmonic Functions of Locally Compact Groups.
Major Adviser: Prof. R. M. Ellis.
1985. Irene Maria Fonseca. Licenciatura '80, University of Lisbon.
Major: Mathematics. Minor: Supporting Program. Thesis: Variational Methods for Elastic Crystals.
Major Adviser: Prof. D. S. Kinderlehrer.

Mathematics

1985. James Ralph Johnson. B.S. '79, University of Nebraska; M.S. '80, University of Chicago.
Major: Mathematics. Minor: Supporting Program. Thesis: Some Properties of a Three-Parameter Family of Diffeomorphisms of the Plane, Near a Transcritical Hopf Bifurcation.
Major Adviser: Prof. R. P. McGehee.

1985. Fang-Hua Lin. Diploma '81, Zhejiang University.
Major: Mathematics. Minor: Supporting Program. Thesis: Regularity for a Class of Parametric Obstacle Problems.
Major Adviser: Prof. R. M. Hardt.

1986. Jean Marc Roussos. Diploma '77, National and Capodistrian University of Athens; M.S. '82, University of Minnesota
Major: Mathematics. Minor: Supporting Program. Thesis: Mean-Curvature-Preserving Isometries of Surfaces in Ordinary Space.
Major Adviser: Prof. W. F. Pohl.

Mechanical Engineering

1976. Manohar Lakshman Badlani. B.M.E.'69, Maharaja Sayajirao University of Baroda; M.S.'71, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: The Vibration of Elastic and Viscoelastic Rotating Shafts.
Major Advisers: Profs. C. C. Hsiao and W. A. Kleinhenz.

1976. Kenneth Wayne Bartelt. B.S.M.E.'69, Valparaiso University; M.S.M.E.'72, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Blood Platelet Deposition onto Filtering Surfaces.
Major Adviser: Prof. P. L. Blackshear.

1976. Reggie Jackson Caudill. B.S.Mech.Eng.'71, M.S.Engr.Mech.'73, University of Alabama.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Vehicle-Follower Longitudinal Control for Small Automated Transit Vehicles.
Major Advisers: Profs. J. E. Anderson and W. L. Garrard.

1976. Sadasuke Ito. M.S.'68, Doshisha University.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Film Cooling and Aerodynamic Loss in a Gas Turbine Cascade.
Major Adviser: Prof. R. J. Goldstein.

1976. Thomas Howard Kuehn. B.Mech.E. with high distinction '71, M.S.'73, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Natural Convection Heat Transfer from a Horizontal Circular Cylinder to a Surrounding Cylindrical Enclosure.
Major Adviser: Prof. R. J. Goldstein.

1976. Chong-won Lee. B.S.Eng.'68, Seoul National University; M.S.'71, University of Minnesota.
Major: Mechanical Engineering. Minor: Mathematics. Thesis: Combined Heat Transfer in a Slab of Fibrous Material.
Major Adviser: Prof. P. L. Blackshear.

1976. Ronald James Pederson. B.S.'67, South Dakota State College of Agriculture and Mechanic Arts; M.S.'69, University of Arizona.
Major: Mechanical Engineering. Minor: Mathematics. Thesis: Heat Transfer from a Cylinder in Crossflow Situated in a Turbulent Tube Flow.
Major Adviser: Prof. E. M. Sparrow.

1976. Iradje Yaghmai. B.A.'66, Tehran Polytechnique.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Vibrations of Timoshenko Frames with Flexible Joints.
Major Adviser: Prof. D. A. Frohrib.

Mechanical Engineering

1977. Nicholas John Barsic. B.S.M.E. cum laude '64, University of Notre Dame; M.S.M.E.'67, Purdue University.
Major: Mechanical Engineering. Minor: Mathematics. Thesis: Size Distributions and Concentrations of Fine Particles Produced by Propane-Air Combustion in a Controlled Humidity Environment.
Major Adviser: Prof. K. T. Whitby.
1977. Danial F. Dolan. B.M.E. with high distinction '70, M.S.M.E.'75, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Measurement of Diesel Exhaust Aerosol Size Distributions.
Major Adviser: Prof. D. B. Kittelson.
1977. Kwaku Koi Koram. B.S.M.E. summa cum laude '71, M.S.E.'72, University of Michigan.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Heat Transfer Downstream of a Symmetric Flow Separation in a Circular Tube.
Major Adviser: Prof. E. M. Sparrow.
1977. Kyoo Won Lee. B.S.'68, Seoul National University; M.S.'72, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Filtration of Submicron Aerosols by Fibrous Filters.
Major Adviser: Prof. B. Y. Liu.
1977. Chih-hsiung Frank Liu. B.S.Eng.'72, National Taiwan University; M.S.'75, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Numerical Analysis of the Anode Region of High Intensity Arcs.
Major Adviser: Prof. Emil Pfender.
1977. Ashok Midha. B.S.'68, Regional Institute of Technology, India; M.S.M.E.'70, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Dynamics of High-Speed Linkages with Elastic Members.
Major Advisers: Profs. D. H. Frohrib and A. G. Erdman.
1977. George Michael Sverdrup. B.S.M.E. with high distinction '71, M.S.M.E.'73, University of Minnesota.
Major: Mechanical Engineering. Minor: Chemistry. Thesis: Parametric Measurement of Submicron Atmospheric Aerosol Size Distributions.
Major Adviser: Prof. K. T. Whitby.
1977. James Charles Wilson. B.A.'67, Carleton College; M.S.'71, University of Washington.
Major: Mechanical Engineering. Minor: Physics. Thesis: Aerodynamic Particle Size Measurement by Laser-Doppler Velocimetry.
Major Adviser: Prof. B. Y. Liu.
1978. Bantwal Rabindranath Baliga. B.Tech.'73, Indian Institute of Technology, Kanpur; M.S.E.'74, Case Western Reserve University.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: A Control-Volume Based Finite Element Method for Convective Heat and Mass Transfer.
Major Adviser: Prof. S. V. Patankar.
1978. Omer Nihat Cur. B.S.'72, Bosphorus University; M.S.'74, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Experiments on Heat Transfer and Pressure Drop for an Array of Colinear Interrupted Plates.
Major Adviser: Prof. E. M. Sparrow.
1978. Mihajlo Ivanovic. Graduate Mechanical Engineer '70, University of Sarajevo; Master of Applied Science '76, University of Waterloo.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Prediction of Flow and Heat Transfer in Internally Finned Tubes.
Major Adviser: Prof. S. V. Patankar.

Mechanical Engineering

1978. Chong Soong Kim. B.S.Eng.'68, Seoul National University; M.S.'73, University of Wisconsin.
Major: Mechanical Engineering. Minor: Mathematics. Thesis: Studies on Ultrafine Aerosols.
Major Adviser: Prof. B. Y. H. Liu.

1978. Gary Richard Knowles. B.M.E.'69, M.S.M.E.'72, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Local and Average Heat Transfer Characteristics for Turbulent Air Flow in an Asymmetrically Heated Tube.
Major Adviser: Prof. E. M. Sparrow.

1978. Ke-Kung Tien. B.S.'68, National Taiwan University; M.S.M.E.'72, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Heat/Mass Transfer Characteristics and Fluid Flow Patterns for Airflow About an Inclined and Yawed Flat Plate.
Major Adviser: Prof. E. M. Sparrow.

1978. Robert Ching-Fang Yu. B.S.'73, M.S.'74, Utah State University.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Some Considerations Relating to the Production of Hydrogen and Oxygen from Water in an One-Step High Temperature Thermochemical Process (Separation Technique and Materials).
Major Adviser: Prof. E. A. Fletcher.

1979. Parviz A. Bahramni. B.Aero.E. & M.'74, M.S.'75, University of Minnesota.
Major: Mechanical Engineering. Thesis: Natural Convection from Open- and Closed-Sided Vertical Parallel Plates and from Fin-Tube Configurations.
Major Adviser: Prof. E. M. Sparrow.

1979. Alireza Irani Behbahani. B.M.E. with distinction '72, M.S.M.E.'74, University of Minnesota.
Major: Mechanical Engineering. Thesis: Heat Transfer to Staggered Arrays of Impinging Circular Air Jets.
Major Adviser: Prof. R. J. Goldstein.

1979. Horia Alexander Dinulescu. Licenta '68, Universitatea Al. I. Cuza.
Major: Mechanical Engineering. Thesis: Analysis of the Anode Boundary Layer of a High Pressure-High Current ARC.
Major Adviser: Prof. Emil Pfender.

1979. Richard Boyer Diver. B.S.'73, United States Military Academy; M.S.M.E.'77, University of Minnesota.
Major: Mechanical Engineering. Minor: Electrical Engineering. Thesis: A One-Step Effusional Process for Producing Hydrogen and Oxygen from Water Using Solar Energy.
Major Adviser: Prof. E. A. Fletcher.

1979. Lawrence Malm Hossfeld. B.M.E. with high distinction '74, University of Minnesota.
Major: Mechanical Engineering. Thesis: A Coordinate Transformation Method for Solving a Convection Phase Change Problem.
Major Adviser: Prof. E. M. Sparrow.

1979. Satish Ramadhyani. B.Tech.'71, Indian Institute of Technology.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Solution of the Equations of Convective Heat, Mass, and Momentum Transfer by the Finite-Element Method Using Quadrilateral Elements.
Major Adviser: Prof. S. V. Patankar.

1979. Paul Hayden Shipp. B.S. with honors '72, Southern Methodist University; M.S.M.E.'76, University of Minnesota.
Major: Mechanical Engineering. Thesis: The Thermal Characteristics of Large Earth-Sheltered Structures.
Major Adviser: Prof. Emil Pfender.

Mechanical Engineering

1980. Carlos Alberto Carrasco Altemani. Mechanical Engineer '72, Universidade de Sao Paulo; M.E.'76, Universidade Estadual de Campinas. Major: Mechanical Engineering. Thesis: Turbulent Heat Transfer and Fluid Flow Characteristics for Air Flow in an Unsymmetrically Heated Triangular Duct.

Major Adviser: Prof. E. M. Sparrow.

1980. Dong-Ming Chen. B.S.'72, National Tsing Hua University; M.S.'77, Syracuse University.

Major: Mechanical Engineering. Thesis: Analytical Modelling of Two-Temperature Argon Arc Plasmas.

Major Advisers: Profs. S. V. Patankar and Emil Pfender.

1980. Abdemannan Z. Kapadia. B.Tech.'73, Indian Institute of Technology; M.S.I.E.'76, University of Minnesota.

Major: Mechanical Engineering. Thesis: Data Reduction Techniques for Aerosol Size Distribution Measuring Instruments.

Major Adviser: Prof. B. Y. H. Liu.

1980. Sai Chuen Lau. B.S.M.E. with high honors '75, Texas Tech University; M.S.M.E.'78, University of Minnesota.

Major: Mechanical Engineering. Thesis: Turbulent Heat Transfer and Flow Field Phenomena Downstream of a Consecutive Abrupt Expansion and Contraction.

Major Advisers: Profs. J. W. Ramsey and E. M. Sparrow.

1980. Luciano Magno Costalonga Varejao. M.E.'69, Universidade Federal do Espirito Santo; M.S.M.E.'73, Pontificia Universidade Catolica.

Major: Mechanical Engineering. Thesis: Flux-Spline Method for Heat, Mass, and Momentum Transfer.

Major Adviser: Prof. S. V. Patankar.

1981. John Erwin Brockmann. B.M.E. with high distinction '74, M.S.M.E.'76, M.A.'77, University of Minnesota.

Major: Mechanical Engineering. Thesis: Coagulation and Deposition of Ultrafine Aerosols in Turbulent Pipeflow.

Major Advisers: Profs. B. Y. H. Liu and P. H. McMurtry.

1981. Majid Charmchi. B.S.'74, Aryu-Mehr University of Technology; M.S.'79, University of Minnesota.

Major: Mechanical Engineering. Thesis: Experimental and Analytical Study of Natural Convection in the Enclosed Space Between Finite Length Cylinders.

Major Adviser: Prof. E. M. Sparrow.

1981. Randall Gail Kemink. B.S. with honors '70, South Dakota School of Mines and Technology; M.S.M.E.'77, University of Minnesota.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Melting of a Solid Adjacent to a Heated Vertical Cylinder with or Without Subcooling of the Solid.

Major Adviser: Prof. E. M. Sparrow.

1981. Jon Everett Noring. B.S.M.E. with high distinction '77, M.S.M.E.'79, University of Minnesota.

Major: Mechanical Engineering. Thesis: High Temperature Thermal Dissociation Processes.

Major Adviser: Prof. E. A. Fletcher.

1981. James Edward O'Brien. B.S.M.E. summa cum laude '77, University of Cincinnati; M.S.M.E.'79, University of Minnesota.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Corrugated-Duct Heat Transfer, Pressure Drop and Flow Visualization.

Major Adviser: Prof. E. M. Sparrow.

Mechanical Engineering

1981. Kenneth Lee Rubow. B.S.M.E. with high distinction '73, M.S.'75, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Submicron Aerosol Filtration Characteristics of Membrane Filters.
Major Adviser: Prof. B. Y. H. Liu.
1982. Sumanta Acharya. B.Tech. with 1st class honor '78, Indian Institute of Technology; M.S.M.E.'80, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: A Calculation Procedure for Parabolic Flows with Adaptive Grid and Spline Techniques.
Major Adviser: Prof. S. V. Patankar.
1982. Nejat Cur. B.S.'74, M.S.'77, Middle East Technical University; M.S.M.E.'80, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Local Turbulent Heat Transfer Coefficients in a Symmetrically or Asymmetrically Heated Flat Rectangular Duct with Either Uniform or Nonuniform Inlet Velocity.
Major Adviser: Prof. E. M. Sparrow.
1982. Paulo Roberto De Souza Mendes. Engenheiro Mecanico '77, Mestre em Engenharia Mecanica '79, Pontificia Universidade Catolica do Rio de Janeiro.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Effect of Periodic, Tapered Enlargements and Contractions on Turbulent Heat Transfer and Fluid Flow in a Circular Duct.
Major Adviser: Prof. E. M. Sparrow.
1982. Kasra Etemadi. Diploma '78, Universitat Kaiserslautern.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Investigation of the Anode Boundary Layer of High-Current Arcs by Computer-Controlled Plasma Spectroscopy.
Major Adviser: Prof. Emil Pfender.
1982. David LeRoy Hagen. B.S. magna cum laude '70, Pacific Lutheran University; M.S.'77, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Design of Plywood and Paper Flywheel Rotors.
Major Adviser: Prof. A. G. Erdman.
1982. Chia Fu Hsu. B.S.'74, Tsing Hua University; M.S.'77, University of Kentucky.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: A Curvilinear-Coordinate Method for Momentum, Heat and Mass Transfer in Domains of Irregular Geometry.
Major Adviser: Prof. S. V. Patankar.
1982. Kun-Chen Hsu. B.S.'72, National Taiwan Normal University; M.S.'74, National Tsing Hua University.
Major: Mechanical Engineering. Minor: Physics. Thesis: A Self-Consistent Model for the High Intensity Free-Burning Argon Arc.
Major Adviser: Prof. Emil Pfender.
1982. Keiyun Lau. B.S.'68, National Taiwan University; M.S.M.E.'71, University of Minnesota.
Major: Mechanical Engineering. Minor: Mathematics. Thesis: The Measurement of Two Turbulent Fluid Flows with Temperature Fluctuation Using Laser-Doppler Technique.
Major Adviser: Prof. R. J. Goldstein.
1982. Majid Molki. B.S.'75, Arya-Mehr University of Technology; M.S.'79, University of Nebraska, Lincoln.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Turbulent Tube-Flow Heat Transfer Coefficients in the Presence of Flow Imbalances in the Tubes of a Parallel Array.
Major Adviser: Prof. E. M. Sparrow.

Mechanical Engineering

1982. John Emmett Niethammer. B.S. with honor '77, University of Wyoming.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Heat Transfer and Pressure Drop Characteristics for Airflow Over Arrays of Rectangular Modules.
Major Adviser: Prof. E. M. Sparrow.

1982. Chander Prakash. M.Tech.'77, Indian Institute of Technology, Kanpur.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: A Finite Element Method for Predicting Flow Through Ducts with Arbitrary Cross Sections.
Major Adviser: Prof. S. V. Patankar.

1982. Nicholas Archer Sanders. B.M.E.'75, M.S.M.E.'79, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Experimental Study of the Near Anode Region of a High Intensity Electric Arc.
Major Adviser: Prof. Emil Pfender.

1982. Javad Mostaghimi Tehrani. B.S.'72, Arya-Mehr University; M.S.'78, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: The Effect of Low Ionization Potential Contaminants on the Transport Properties of Thermal Plasmas.
Major Adviser: Prof. Emil Pfender.

1982. Rajagopal Vijayakumar. B.E.'71, University of Madras; M.S.M.E.'77, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Ultrafine Aerosol Generation Using a Premixed Flat Flame.
Major Adviser: Prof. K. T. Whitby.

1983. Dennis Nathaniel Harvey. B.M.E. with high distinction, M.S.M.E.'77, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Measurement of Flow Stress in the Flange During Deep Drawing.
Major Advisers: Profs. D. A. Frohrib and D. R. Riley.

1983. Eric D. Larson. B.S.M.E. '79, Washington University in St. Louis; M.S.M.E.'81, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Freezing Inside a Circular Cylindrical Capsule at Various Angular Inclinations, Initial Liquid Superheats, and Cylinder Wall Subcoolings.
Major Adviser: Prof. E. M. Sparrow.

1983. Augusto G. Mazza. Laurea '75, Politecnico di Torino.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Studies of an Arc Plasma Reactor for Thermal Plasma Synthesis.
Major Adviser: Prof. Emil Pfender.

1983. Oluwale Adeoye Odumade. B.S. with first class honors '70, Ahmadu Bello University; M.S.M.E.'79, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Mobilities of Aggregates of Particles.
Major Adviser: Prof. K. T. Whitby.

1984. Adnan A. Alhomoud. B.S.Math.'76, M.S.M.E.'76, M.S.'79, University of Colorado.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Heat Transfer From a Circular Cylinder Due to Slot Jet Impingement.
Major Adviser: Prof. E. M. Sparrow.

Mechanical Engineering

1984. Thomas Richard Chase. B.S. with highest honors '77, Rochester Institute of Technology.
Major: Mechanical Engineering. Minor: Computer and Information Sciences.
Thesis: Burmester Theory for Four Precision Postions An Extended Discourse with Application to the Dimensional Synthesis of Arbitrary Planar Linkages.
Major Adviser: Prof. A. G. Erdman.

1984. Gregory Martin Chrysler. B.M.E. with high distinction '77, M.S.M.E.'81, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Convective Heat Transfer Coefficients for Pipe Flow with Curvature Induced Secondary Motion.
Major Adviser: Prof. E. M. Sparrow.

1984. David Albert Hoeltzel. B.E.'78, The Cooper Union School of Engineering and Science; M.E.'79, Cornell University.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: The Contribution of an Implanted Intramedullary Nail to the Load Carrying Capacity of a Fractured Femur.
Major Adviser: Prof. D. A. Frohrib.

1984. Durgaprasad Shripad Kadle. B.Tech. honors '78, Indian Institute of Technology; M.S.'81, The University of Iowa.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Effect of Tip Clearance on Turbulent Heat Transfer from a Shrouded, Longitudinal Fin Array.
Major Adviser: Prof. E. M. Sparrow.

1984. Yung-Cheng Lee. B.S.E.'78, National Taiwan University; M.S.M.E.'82, University of Minnesota.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Modeling Work in Thermal Plasma Processing.
Major Adviser: Prof. Emil Pfender.

1984. Kil-Choo Moon. B.A.Sc. cum laude '78, University of Ottawa; M.S.M.E.'80, University of Minnesota.
Major: Mechanical Engineering. Minor: Industrial Engineering. Thesis: Charging Mechanism of Submicron Diesel Particles.
Major Adviser: Prof. D. B. Kittelson.

1984. Jayathi Y. Murthy. B.Tech.M.E. with distinction '79, Indian Institute of Technology; M.S.M.E.'81, Washington State University.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: A Calculation Procedure for the Prediction of Confined Flow Through Irregular Geometries.
Major Adviser: Prof. E. A. Fletcher.

1984. John Stephen Nelson. B.A. summa cum laude '78, Luther College; M.S.M.E.'82, University of Minnesota
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Effects of Rotation on Encapsulated Freezing.
Major Adviser: Prof. E. M. Sparrow.

1984. Jose Arturo Perez-Galindo. Ingeniero'72, Instituto Tecnológico Regional de Durango; M.Eng.'75, University of California, Berkeley.
Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Internal Heat Transfer and Pressure Drop Measurements in a Variously Baffled Shell and Tube Heat Exchanger.
Major Adviser: Prof. E. M. Sparrow.

1984. Farzad Samie. B.M.E.'77, Tehran Polytechnic; M.S.M.E.'81, University of Minnesota.
Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Effect of Inclination, Transverse Intertip Spacing, and Longitudinal Pitch on Crossflow Heat Transfer From an Array of Finned Tubes.
Major Adviser: Prof. E. M. Sparrow.

Mechanical Engineering

1984. Suresh B. Vemuri. B.Tech.'78, Indian Institute of Technology Madras.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Natural Convection and Radiation Heat Transfer From Highly Populated Pin Fin Arrays.

Major Adviser: Prof. E. M. Sparrow.

1984. Ting Wang. B.S.M.E.'77, Tatung Institute of Technology;

M.S.M.E.'81, State University of New York at Buffalo.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: An Experimental Investigation of Curvature and Freestream Turbulence Effects on Heat Transfer and Fluid Mechanics in Transitional Boundary Layer Flows.

Major Adviser: Prof. T. W. Simon.

1985. Luis Fernando Azevedo. Engenheiro Mecanico '79, Pontificia Universidade Catolica.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Natural Convection in Channel Flows.

Major Adviser: Prof. E. M. Sparrow.

1985. Mark Edward Braaten. B.S. with distinction, summa cum laude '78, M.S. '80, State University of New York.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Development and Evaluation of Iterative and Direct Methods for the Solution of the Equations Governing Recirculating Flows.

Major Adviser: Prof. S. V. Patankar.

1985. Amir Chaboki. B.S.M.E. '80, Michigan Technological University; M.S. '83, University of Minnesota.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Melting in a Cylindrical Capsule Rotating About a Colinear Axis.

Major Adviser: Prof. E. M. Sparrow.

1985. Winston Chuck. B.S. '79, Cornell University; M.S.M.E. '83, University of Minnesota.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Evaporation of Water From a Recessed Surface to a Parallel Forced Convection Airflow.

Major Adviser: Prof. E. M. Sparrow.

1985. Alfonso Garcia-Gutierrez. Ingeniero Quimico '76, Universidad Autonoma de Coahuila; M.S. '79, University of Salford.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Effect of Spatially Periodic Heating or An Abrupt Contraction at Inlet on Transitional and Turbulent Heat Transfer in a Duct.

Major Adviser: Prof. E. M. Sparrow.

1985. Gregg Thomas Geiger. B.S.M.E. with highest distinction '82, Purdue University; M.S.M.E. '84, University of Minnesota.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Melting of an Encapsulated Solid, Either Fixed or Free to Fall Under Gravity, With or Without Rotation.

Major Adviser: Prof. E. M. Sparrow.

1985. Sukhvinder Singh Kang. B.Tech.M.E. '80, M.Tech. '82, Indian Institute of Technology.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Heat Transfer From a Hollow-Bore Circular Cylinder Situated Longitudinal to a Freestream Flow.

Major Adviser: Prof. E. M. Sparrow.

1985. Jakov Karni. B.C.E. with distinction '79, M.S.M.E. '82, University of Minnesota.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Endwall Boundary Layer, Cylinder Diameter, Reynolds Number, and Surface Injection Effects on Local Mass Transfer From a Cylinder in Crossflow.

Major Adviser: Prof. R. J. Goldstein.

Mechanical Engineering

1985. Michael Keefe. B.S. with highest honors '78, University of Notre Dame; M.S.M.E. '80, University of Minnesota.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: A Computer-Assisted Tool to Semi-Automatically Generate Three-Dimensional Facial Soft-Tissue Information.

Major Adviser: Prof. D. R. Riley.

1985. Tod Arthur Myrum. B.M.E. with distinction '81, M.S.M.E. '84, University of Minnesota.

Major: Mechanical Engineering. Minor: Mathematics. Thesis: Natural Convection From a Cylinder Situated in a Two-Layer Fluid Environment.

Major Adviser: Prof. E. M. Sparrow.

1985. Angela Ourivio Nieckele. Ingenheiro Mecanico '79, Mestrem Engenharia Mecanica '81, Pontificia Universidade Catolica do Rio de Janeiro.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Development and Evaluation of Numerical Schemes for the Solution of Convection-Diffusion Problems.

Major Adviser: Prof. S. V. Patankar.

1985. Alvaro Toubes Prata. B.S.M.E. '77, B.S.E.E. '77, Universidade de Brasilia; M.S. '80, Universidade Federal de Santa Catarina.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Evaporative Mass Transfer From Open-Topped Cavities.

Major Adviser: Prof. E. M. Sparrow.

1985. Daniel J. Rader. B.S. with honor '78, California Institute of Technology.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Application of the Tandem Differential Mobility Analyzer to Studies of Droplet Evaporation and Growth.

Major Adviser: Prof. P. H. McMurry.

1985. Kalika Ranjan Samant. B.Tech.M.E. first class '75, Banaras Hindu University.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Heat Transfer From a Small, High-Heat-Flux Patch to a Subcooled Turbulent Flow.

Major Adviser: Prof. T. W. Simon.

1985. Alberto Al Yanez Moreno. M.S.M.E. '82, University of Minnesota.

Major: Mechanical Engineering. Minor: Fluid Mechanics. Thesis: Heat Transfer and Pressure Drop in a Tube Bank Inclined with Respect to the Flow.

Major Adviser: Prof. E. M. Sparrow.

1986. Mingking K. Chyu. B.S. '74, National Tsing Hua University; M.S. '77, University of Cincinnati.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Influence of Roughness Elements on Local Mass Transfer From a Flat Surface.

Major Advisers: Profs. R. J. Goldstein and S. V. Patankar.

1986. Edmund Fleck. Diplom '80, Rheinisch-Westfalische Technische Hochschule Aachen.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Velocity and Temperature Measurements in Thermal Plasma Jets.

Major Adviser: Prof. Emil Pfender.

1986. J. Ward MacArthur. B.S. high distinction '74, M.S. '76, University of Rhode Island.

Major: Mechanical Engineering. Minor: Supporting Program. Thesis: Development and Implementation of Robust Direct Finite Difference Methods for the Solution of Strongly Coupled Elliptic Transport Equations.

Major Adviser: Prof. S. V. Patankar.

Mechanical Engineering

1986. Steven Walfred Peterson. B.A. cum laude '79, Macalester College.
Major: Mechanical Engineering. Minor: Biomedical Engineering. Thesis: Measurement and Analysis of Human Joint Motion.
Major Adviser: Prof. A. G. Erdman.

1986. Kenichi Tomita. B.S. '72, M.S. '74, Keio University.
Major: Mechanical Engineering. Minor: Operations Research. Thesis: The Development of the Identifiability Gramian and Its Application in System Modeling and Identification.
Major Adviser: Prof. D. A. Frohrib.

Mechanics

1976. David Paul Saari. B.A.E.M. with high distinction '71, M.S.Aero.E.'73, University of Minnesota.
Major: Mechanics. Minor: Supporting Program. Thesis: Dynamics and Stability of Lifting Parachutes.
Major Adviser: Prof. H. G. Heinrich.

1977. Clovis Sperb de Sperb de Barcellos. Mech.Eng.'67 Escola de Engenharia Universidade Federal do Rio Grande do Sul; M.S.'70, Pontificia Universidade Catolica do Rio de Janeiro.
Major: Mechanics. Minor: Supporting Program. Thesis: A Structural Optimization Method Combining Finite Element and Control Theory Techniques.
Major Adviser: Prof. W. H. Warner.

1977. Leroy Donald Sturges. B.Aero.E. with distinction '67, M.S.Aero.E.'75, University of Minnesota.
Major: Mechanics. Minor: Supporting Program. Thesis: Studies in the Slow Flows of Viscoelastic Fluids.
Major Adviser: Prof. D. D. Joseph.

1977. Daniel James Vavrick. B.Aero.E. with distinction '68, M.S.'72, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Optimum Structural Design with Frequency and Size Constraints.
Major Adviser: Prof. W. H. Warner.

1977. Jung Yul Yoo. B.S.'69, Seoul National University; M.S.'73, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Fluid Motion Between Two Cylinders Rotating at Different Speeds.
Major Adviser: Prof. D. D. Joseph.

1978. J. Ernest Dunn. B.S.Eng.Sci.'68, Illinois Institute of Technology.
Major: Mechanics. Minor: Mathematics. Thesis: The Morphology and Stability of Material Phases.
Major Adviser: Prof. R. L. Fosdick.

1978. Mohammed Amine Hajji. B.S. summa cum laude '73, State University of New York, Buffalo; M.S.'75, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Indentation of a Membrane on an Elastic Half-Space with Application to Material Testing of Inflated Lung Lobes.
Major Adviser: Prof. T. A. Wilson.

1978. Kumbakonam Ramamani Rajagopal. M.S.'74, Illinois Institute of Technology.
Major: Mechanics. Minor: Mathematics. Thesis: Thermodynamics and Stability of Non-Newtonian Fluids.
Major Adviser: Prof. R. L. Fosdick.

1978. Michael Jay Sax. B.Aero.E. & M. with high distinction '74, M.S.'76, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Fluctuating Pressure Field on a Yawed Rigid Cylinder.
Major Advisers: Profs. Robert Plunkett and G. S. Beavers.

Mechanics

1978. Hendrik Mindert Van Rij. B.T.W.'72, Technische Hogeschool Twente. Major: Mechanics. Minor: Supporting Program. Thesis: Finite Element Models with Velocity Discontinuities. Major Adviser: Prof. P. G. Hodge, Jr.
1979. Prakash Mahadeo Dixit. B.Tech. with honours '74, Indian Institute of Technology. Major: Mechanics. Minor: Mathematics. Thesis: Studies in the Small Motions of Viscoelastic Solids. Major Adviser: Prof. D. D. Joseph.
1980. Robert A. Handler. B.Eng. with honor '73, Stevens Institute of Technology; M.S.E.'74, University of Michigan. Major: Mechanics. Thesis: Acoustic Pulse Propagation in a Convergent-Divergent Duct Carrying a Subsonic Mean Flow. Major Adviser: Prof. T. A. Wilson.
1981. Anil Kumar Bajaj. B.Tech. with first class honors '73, Indian Institute of Technology, Kharagpur; M.Tech.'76, Indian Institute of Technology, Kanpur. Major: Mechanics. Thesis: Bifurcation to Periodic Solutions in Rotationally Symmetric Discrete Mechanical System. Major Adviser: Prof. P. R. Sethna.
1981. Thomas I. Elias. B.Sc.'70, M.Sc.'72, University of Kerala; M.S.'77, University of Cincinnati. Major: Mechanics. Thesis: A Three-Dimensional Thin Film Drainage Mechanism. Major Adviser: Prof. T. A. Wilson.
1981. Jurgen Sanders. Dipl.-Ing.'77, Technische Hochschule Darmstadt. Major: Mechanics. Minor: Mathematics. Thesis: Roller Coating by Viscoelastic Liquids. Major Adviser: Prof. D. D. Joseph.
1981. Steven A. Trogdon. B.S. with distinction '71, University of Virginia; M.S.'75, Duke University. Major: Mechanics. Minor: Mathematics. Thesis: Matched Eigenfunction Expansions for Rheological Flows. Major Adviser: Prof. D. D. Joseph.
1982. Gearoid Macsithigh. B.S. with first class honours '75, M.S.'76, University College Dublin; M.S.'79, University of Minnesota. Major: Mechanics. Minor: Mathematics. Thesis: Coexistent Phases and Minimizers in Constrained Elastic Materials. Major Adviser: Prof. R. L. Fosdick.
1982. Aydeniz Siginer. Diploma '66, Technical University of Istanbul. Major: Mechanics. Minor: Mathematics. Thesis: The Free Surface on a Simple Fluid Between Eccentric Cylinders Rotating at Different Speeds. Major Adviser: Prof. D. D. Joseph.
1983. Shui Sheng Chern. B.S.'75, National Tsing Hua University. Major: Mechanics. Minor: Metallurgy and Materials Science. Thesis: Viscoelastic Behavior of Crazing in Polymers. Major Adviser: Prof. C. C. Hsiao.
1983. Kenneth Kenichiro Muramoto. B.S. with honors '78, University of California, Berkeley; M.S.'81, University of Minnesota. Major: Mechanics. Minor: Chemical Engineering. Thesis: A Theoretical Analysis of the Aerodynamic And Structural Forces Associated With a Ribbon Parachute Canopy in Steady Descent. Major Adviser: Prof. W. L. Garrard.

Mechanics

1983. Amitabh Narain. B.Tech. with honors '78, Indian Institute of Technology; M.S.'80, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Shearing Deformation of Simple Materials.
Major Adviser: Prof. D. D. Joseph.

1983. Dimitrije T. Stamenovic. Dipl.'77, University of Beograd, Yugoslavia; M.S.'81, University of Minnesota.
Major: Mechanics. Minor: Supporting Program. Thesis: The Constitutive Equation of Lung Parenchyma Based on a Microstructural Model.
Major Adviser: Prof. T. A. Wilson.

1983. Anh Hao Tieu. B.E. with first class honors '78, University of Auckland.
Major: Mechanics. Minor: Mathematics. Thesis: Second-Order Effects in Complex Rheological Flows.
Major Adviser: Prof. D. D. Joseph.

1984. Mohammad Jasem Alostaz. B.S. cum laude '77, Syracuse University; M.S.'80, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Rapid Determination of Upper and Lower Bounds to Buckling Loads and Natural Frequencies of Non-Uniform Bars.
Major Adviser: Prof. L. E. Goodman.

1984. Ky Thanh Nguyen. B.S. magna cum laude '78, University of Houston.
Major: Mechanics. Minor: Supporting Program. Thesis: Bicomponent Flow Problems in Rheological Fluid Mechanics.
Major Advisers: Profs. D. D. Joseph and G. S. Beavers.

1984. Jorge Guilherme Patino. Eng.Quimico '78, Universidade Federal do Rio de Janeiro.
Major: Mechanics. Minor: Mathematics. Thesis: On the Thermodynamics and Thermodynamics of Mixtures and Open Systems.
Major Adviser: Prof. R. L. Fosdick.

1985. Yi-chao Chen. M.S.E. '82, Johns Hopkins University.
Major: Mechanics. Minor: Mathematics. Thesis: Some Stability Problems for Elastic Materials.
Major Adviser: Prof. J. L. Ericksen.

1985. James Harold Powers. B.S.Ch.E. with honors '77, Montana State University; M.S. '80, University of Minnesota.
Major: Mechanics. Minor: Supporting Program. Thesis: A Theory of Material Surfaces with Application to the Problem of Determining the Free Shape of an Everted Elastic Cylinder.
Major Adviser: Prof. R. L. Fosdick.

1985. Ajit Kumar Roy. B.S. honors '73, University of North Bengal; B.Tech. first class honors '80, Indian Institute of Technology; M.S. '83, University of Minnesota.
Major: Mechanics. Minor: Mathematics. Thesis: Wave Attenuation in Periodic Structures.
Major Adviser: Prof. Robert Plunkett.

1985. John William Walter, Jr. B.S. '77, M.S. '79, University of Illinois.
Major: Mechanics. Minor: Supporting Program. Thesis: On a Nonlocal Model of Fluid Phases.
Major Adviser: Prof. R. L. Fosdick.

1986. James Gerard Malone. B.S. '79, M.S. '80, University College Dublin.
Major: Mechanics. Minor: Supporting Program. Thesis: Elastic-Plastic Finite Element Analysis of Fracture in a Thin Rectangular Plate.
Major Adviser: Prof. P. G. Hodge.

Metallurgy and Materials Science

1976. Yew-Tsung Chen. B.S.E.'68, Taiwan Cheng Kung University; M.S.'73, University of Minnesota.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Dislocation Dynamics and the Ductile Brittle Transition in Iron Alloys.

Major Adviser: Prof. W. W. Gerberich.

1976. Michael George Stout. B.S.'72, Carnegie-Mellon University; M.S.'74, University of Minnesota.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: An Investigation of the Fracture Processes of Alloy Inconel 718.
Major Adviser: Prof. W. W. Gerberich.

1977. Tae Yong Kim. B.S.E.'69, Seoul National University; M.S.'73, University of Minnesota.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Cation Surface Self-Diffusion Studies of Calcium Oxide Single Crystal.

Major Adviser: Prof. R. A. Swalin.

1977. Enayatollah Enayat Vafaei-Makhssoos. B.S.'72, University of Missouri; M.S.'75, University of Minnesota.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Electron Microscopy of Crystalline and Amorphous Electrodeposited Thin Ni-P Films.

Major Adviser: Prof. E. L. Thomas.

1978. Roman Horacio Buitrago. Ing. Quimica '67, Univ. Nacional del Litoral.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Superconducting Thin Films and Tunneling Junctions of Nb₃Ge.
Major Adviser: Prof. L. E. Toth.

1978. Mao-Min Chen. B.S.'71, National Tsing Hua University.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Morphology and Sintering of Platinum, Palladium, Rhodium and Platinum-Alloys on SiO₂ and Graphite.

Major Adviser: Prof. L. D. Schmidt.

1978. Jae In Lee. B.S.'71, Seoul National University.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Growth and Structure of Ion Beam Sputtered Thin Films of Gold and Cadmium Sulfide on Silicon Substrate.

Major Adviser: Prof. W. W. Gerberich.

1978. Kwang Oh Park. B.S.'65, Seoul National University; M.S.'75, University of Minnesota.

Major: Metallurgy and Materials Science. Minor: Physics. Thesis: The Effect of Nonstoichiometry on the Acoustical Velocity and Electron Spin Resonance of Barium Oxide Single Crystals.

Major Adviser: Prof. J. M. Sivertsen.

1978. Pedro Miguel Tarin. B.S.E.E.'71, M.S.'72, The University of Texas at El Paso.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Polyethylene Deformation Analysis.
Major Adviser: Prof. E. L. Thomas.

1981. Kumar Vijay Jatavallabhula. M.S.'73, Nagpur University.

Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Effect of Hydrogen on Flow and Fracture in a B-Titanium Alloy.
Major Adviser: Prof. W. W. Gerberich.

Metallurgy and Materials Science

1981. Neville Reid Moody. B.M.E. with distinction '72, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Mechanics. Thesis: Hydrogen Embrittlement in Two Alpha/Beta Titanium Alloys under Sustained and Fatigue Loadings.
Major Adviser: Prof. W. W. Gerberich.

1981. Paul Andrew Ronsheim. B.Phys. with distinction '78, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Physics. Thesis: Materials Analysis and Condensation Mechanics of Arc Plasma Processed Refractory Compounds.
Major Adviser: Prof. L. E. Toth.

1982. Dennis Clyde Kunerth. B.S.'75, Moorhead State College; M.S.Met.Mat.S.'79, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program. Thesis: An Eddy Current Study of Solidification With and Without Induced Fluid Flow.
Major Adviser: Prof. J. P. Wallace.

1982. James Perry Lucas. B.S. cum laude '73, North Carolina College, Durham; M.S.'77, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program. Thesis: Low Temperature and Grain Size Effects on Static, Cyclic, and Threshold Behavior of an HSLA Steel.
Major Adviser: Prof. W. W. Gerberich.

1982. Edwin Chi Ho Pow. B.M.E. with high distinction, M.S.Met.Mat.S.'78, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Mechanics. Thesis: Stress Corrosion Cracking Studies and Analytical Electron Microscopy of Aluminum Alloys.
Major Adviser: Prof. W. W. Gerberich.

1982. Corwin Paul Umbach. B.S. magna cum laude '77, Duke University; M.S.Ch.E.'79, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program. Thesis: Fabrication of Electron Tunneling Junctions on Nb_3Ge and ErRh_4B_4 Using Artificial Barriers of Rare Earth Oxides.
Major Adviser: Prof. L. E. Toth.

1983. Katerina Adam. Dipl.'78, National Technical University of Athens; M.S.'80, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Mineral Engineering. Thesis: Grinding Media Corrosion and Its Effect on Floatation of Sulfide Minerals.
Major Advisers: Profs. W. W. Gerberich and Iwao Iwasaki.

1983. Kenneth Allen Peterson. B.M.E. with high distinction '75, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Mechanics. Thesis: Electron Channelling Studies of Hydrogen Embrittlement and Cleavage Fractures in BCC Metals.
Major Adviser: Prof. W. W. Gerberich.

1983. Robert Michael Siegfried. B.A.'76, M.S.'78, Columbia University.
Major: Metallurgy and Materials Science. Minor: Physics. Thesis: The Reconstruction of Electrical Conductivity Profiles Using Multifrequency Eddy Current Testing.
Major Adviser: Prof. W. W. Gerberich.

1983. Wei-Kang Yu. B.S.'76, National Taiwan University.
Major: Metallurgy and Materials Science. Minor: Supporting Program. Thesis: Thermally Activated Processes Associated With Fatigue Thresholds in Fe-Si Binary and Aluminum Alloys.
Major Adviser: Prof. W. W. Gerberich.

Metallurgy and Materials Science

1984. Khlefa A. Esaklul. B.S.'76, M.S.'78, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: The Effect of Interfacial Hydrogen on Near-Threshold Fatigue Crack Propagation in Iron Base Systems.
Major Adviser: Prof. W. W. Gerberich.

1984. Richard James Webb. B.M.E. with distinction '79, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Reactive Evaporation of Chevrel Phase Ternary Superconductors.
Major Adviser: Prof. L. D. Schmidt.

1985. Ga-Lane Chen. B.S.E. '76, National Taiwan University.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: The Formation, Characterization, and Application of Sputtered Al_2O_3 and Gamma- Fe_2O_3 Thin Films.
Major Adviser: Prof. J. M. Sivertsen.

1985. Charlotte Louise Grove. B.A. cum laude '76, Macalester College.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Transformations in Molybdenum Catalysts: Morphology and Surface Chemistry.
Major Adviser: Prof. L. D. Schmidt.

1985. Young Jin Kim. B.E. '80, Hanyang University; M.S. '83, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Corrosion Reactions of Titanium Alloys in Gamma Radiolysis Environment.
Major Adviser: Prof. R. A. Oriani.

1985. Peter Chuen-Sun Kong. B.S. '74, Lincoln University; M.S. '78, University of North Carolina, Greensboro.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Synthesis of Ultrafine Beta-Silicon Carbide Powders in Thermal Plasmas.
Major Advisers: Profs. J. M. Sivertsen and Emil Pfender.

1985. Yeong Ching Lin. B.S. '78, National Taiwan University; M.S. '83, University of Minnesota.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: The Optimum Deposition, Structure and Properties of Tantalum Oxide Films.
Major Adviser: Prof. S. T. Wellinghoff.

1985. Hani Louis Rizkalla. B.S. with high honors '76, M.S. '81, American University at Cairo.
Major: Metallurgy and Materials Science. Minor: Supporting Program.
Thesis: Investigation Into the Mechanism of Ductility of Thin Amorphous Ta_2O_5 Films.
Major Adviser: Prof. S. T. Wellinghoff.

1986. Miguel Edgar Armacanqui. Ingeniero Metalurgista '77, Universidad Nacional de Ingenieria.
Major: Metallurgy and Materials Science. Minor: Mineral Engineering.
Thesis: Effects of Electrolytic Hydrogen in B.C.C. Metals.
Major Adviser: Prof. R. A. Oriani.

Mineral Engineering

1978. Ruurd Herre Heerema. Kandidaats '72, Delft University of Technology.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Complexation and Precipitation of Calcium Ion in Selective Flocculation of Iron Ores.
Major Adviser: Prof. Iwao Iwasaki.

Mineral Engineering

1982. Santhana Krishnan. B.E.'76, University of Mysore; M.S.'78, University of Minnesota.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Heterocoagulation and Surface Precipitation in Selective Flocculation of Iron Ores.
Major Adviser: Prof. Iwao Iwasaki.
1982. Heriban Soto. B.S.'74, Universidad de Chile; M.S.Min.E.'82, University of Minnesota.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Chemical Interactions in the Flotation of Salt Type Minerals Using Cationic Collectors.
Major Adviser: Prof. Iwao Iwasaki.
1983. Ernest Norman Lindner. B.E.'73, Cooper Union School of Engineering and Science; M.S.C.E.'75, Massachusetts Institute of Technology.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: A Constitutive and Experimental Investigation of Load-History Influences on the Creep Behavior of Salt.
Major Adviser: Prof. S. L. Crouch.
1984. Ali Ihsan Arol. B.S.'77, Technical University of Istanbul; M.S.'82, University of Minnesota.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: The Effect of Clay Minerals on the Selective Flocculation of Iron Ores.
Major Adviser: Prof. Iwao Iwasaki.
1984. Kurt Ulrich Maske. B.Sc. with distinction '77, University of Witwatersrand; M.S.Min.E.'81, University of Minnesota.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Evaluation of the Metallurgical Potential of Transferred-Arc Plasma Furnaces for Ferrochromium Production.
Major Adviser: Prof. K. J. Reid.
1984. Anil Kumar Sinha. B.S. second class honors '60, Bihar University; B.S.E. first class '64, Ranchi University; M.Tech.'77, Indian Institute of Technology, Kharagpur.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Microstructural Aspects in Inconel X-750.
Major Adviser: Prof. J. J. Moore.
1985. Arup Gangopadhyay. B.E. '79, University of Calcutta; M.Tech '83, Indian Institute of Technology Kanpur.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: The Role of Abrasion and Corrosion on Grinding Media Wear.
Major Adviser: Prof. J. J. Moore.
1985. Venkatakrish Reddy Manukonda. B.Tech. '76, Andhra University.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Prevention of Surface Precipitation in Selective Flocculation.
Major Adviser: Prof. Iwao Iwasaki.
1985. Raghurama Alaya Udupa. B.E. '74, M.E. '76, University of Mysore, India.
Major: Mineral Engineering. Minor: Supporting Program. Thesis: Reduction Roasting of Copper, Nickel and Iron Sulfides in Conventional and Plasma Reactors.
Major Advisers: Profs. J. J. Moore and K. A. Smith.

Mineral Resources Engineering

1981. William C. Brice. B.S.'69, Michigan Technological University; M.Geo.E.'76, University of Minnesota.
Major: Mineral Resources Engineering. Thesis: An Analysis Technique for Mineral Resource Planning.
Major Adviser: Prof. D. H. Yardley.

Mineralogy and Petrology

1977. Klaus Jurgen Schulz. B.S.'71, University of Wisconsin, Oshkosh; M.S.'74, University of Minnesota, Duluth.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: The Petrology and Geochemistry of Archean Volcanics, Western Vermillion District, Northeastern Minnesota.
Major Adviser: Prof. P. W. Weiblen.

1977. Wendell Eugene Wilson. B.A.'69, University of Minnesota, Duluth; M.S.'71, Arizona State University.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Trace Element Geochemistry and Geochronology of Early-Precambrian, Granulite Facies Metamorphic Rocks Near Granite Falls, in the Minnesota River Valley.
Major Adviser: Prof. V. R. Murthy.

1978. Roger Wayne Cooper. B.A.'71, University of South Dakota; M.S.'73, University of Wisconsin.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Lineament and Structural Analysis of the Duluth Complex, Hoyt Lakes-Kawishiwi Area, Northeastern Minnesota.
Major Adviser: Prof. P. W. Weiblen.

1978. Roland Earl Mohr. B.Phys.'69, University of Minnesota.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Some Aspects of the Theory of Petrogenetic Grids and an Application to Cherty Iron-Formation.
Major Adviser: Prof. J. H. Stout.

1980. Ronald Keith Churchill. B.A.'75, Chico State College; M.S.'78, University of Minnesota.
Major: Mineralogy and Petrology. Thesis: Meteoric Water Leaching and Ore Genesis at the Tayoltita Silver-Gold Mine, Duango, Mexico.
Major Adviser: Prof. F. J. Sawkins.

1981. Robert Louis Bauer. B.S.'71, M.A.'74, University of Missouri.
Major: Mineralogy and Petrology. Thesis: Structural Petrology and Geology of the Western Lake Vermilion Area.
Major Adviser: Prof. P. W. Weiblen.

1981. Steven Ira Usdansky. B.S.'76, University of California, Los Angeles.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Topologic Properties of c-Component, (c+4) Phase Petrogenetic Grids with Applications to Silica and Metamorphic Rocks in the Gold Creek Area, Gunnison County, Colorado.
Major Adviser: Prof. J. H. Stout.

1982. David Richard Janecky. B.A.'75, University of California, Berkeley.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Serpentinization of Peridotite Within the Oceanic Crust: Experimental and Theoretical Investigations of Seawater-Peridotite Interaction at 200 and 300 C, 500 Bars.
Major Adviser: Prof. W. E. Seyfried, Jr.

1982. Daryl Scherkenbach. B.A.'75, University of Wisconsin, Milwaukee.
Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Geologic, Mineralogic and Fluid Inclusion and Geochemical Studies of the Mineralized Breccias at Cumobabi, Sonora, Mexico.
Major Adviser: Prof. F. J. Sawkins.

1982. Robert James Stevenson. B.S.'69, University of Wisconsin, Oshkosh; M.S.'74, University of Minnesota, Duluth.
Major: Mineralogy and Petrology. Minor: Chemistry. Thesis: Amphiboles at the Base of the Duluth Complex, Minnesota.
Major Adviser: Prof. T. Z. Zoltai.

Mineralogy and Petrology

1983. Warren Christopher Day. B.A. cum laude '78, Washington University. Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Petrology and Geochemistry of the Vermilion Granitic Complex, Northern Minnesota.

Major Adviser: Prof. P. W. Weiblen.

1983. Edward C. Thornton. B.S. summa cum laude '73, Texas A & M University; M.A.'75, Rice University.

Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Experimental and Theoretical Modeling of Sediment-Seawater Hydrothermal Interaction at Constant Temperature and in a Thermal Gradient: Implications for the Diagenesis and Metamorphism of Marine Clay and the Subseabed Disposal of Nuclear Waste.

Major Adviser: Prof. W. E. Seyfried.

1984. Mark Eugene Cavaleri. B.S.Geol.'75, University of Minnesota.

Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Volume and Entropy Systematics of Materials at High Pressures and Temperatures by Heated Diamond-Anvil Energy-Dispersive Techniques.

Major Adviser: Prof. J. H. Stout.

1984. Susan Williams. A.B.'73, Oberlin College; M.S.'77, University of Minnesota.

Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: Late Cenozoic Volcanism in the Rio Grande Rift: Trace Element, Strontium Isotopic and Neodymium Isotopic Geochemistry of the Taos Plateau Volcanics.

Major Adviser: Prof. V. R. Murthy.

1986. James Duane Miller, Jr. B.S. '78, University of Illinois.

Major: Mineralogy and Petrology. Minor: Supporting Program. Thesis: The Geology and Petrology of Anorthositic Rocks in the Duluth Complex, Snowbank Lake Quadrangle, Northeastern Minnesota.

Major Adviser: Prof. P. W. Weiblen.

Operations Research

1978. Jean-Pierre Pouplard. Dip.d'Ing.'70, Ecole Nationale d'Ingenieurs de Metz; M.S.I.E.'72, University of Minnesota.

Major: Operations Research. Minor: Supporting Program. Thesis: Uncertainty in System Dynamics Models: Structural and Parameter Sensitivity.

Major Adviser: Prof. J. S. White.

1979. Christopher John Natchtsheim. B.A. magna cum laude '73, College of St. Thomas.

Major: Operations Research. Minor: Statistics. Thesis: Contributions to Optimal Experimental Design.

Major Advisers: Profs. R. D. Cook and J. S. White.

1979. Thomas J. Ressler. B.M.E.'66, M.S.I.E.'68, University of Minnesota.

Major: Operations Research. Thesis: Distribution of the Sample Variance from Nonnormal Populations.

Major Adviser: Prof. J. S. White.

1982. Edwin Chi-Yin Wong. B.S.'74, University of Washington; M.S.'67, University of Minnesota.

Major: Operations Research. Minor: Supporting Program. Thesis: An Iterative Model Analysis in a Large-Scale Linear System.

Major Adviser: Prof. P. J. Starr.

Physics

1976. John Barton Babcock. B.Phys.'68, University of Minnesota.

Major: Physics. Minor: Supporting Program. Thesis: A Model for the Radiative Couplings of Excited Hadrons Incorporating the Single Quark Transition Rules and Vector Dominance.

Major Adviser: Prof. J. L. Rosner.

Physics

1976. Mohan Seetaram Drawid. B.E.Mech.Eng.'67, University of Bombay.
Major: Physics. Minor: Supporting Program. Thesis: The Spin Dynamics of One Dimensional Antiferromagnets.
Major Adviser: Prof. J. W. Halley.
1976. Mark Jerome Engebretson. B.A. summa cum laude '68, Luther College; M.Div.'72, Luther Theological Seminary; M.S.'75, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Mass Spectrometric Measurements of Atomic Nitrogen in the Earth's Thermosphere.
Major Advisers: Profs. A. O. Nier and Konrad Mauersberger.
1976. Daniel Harold Fitzgerald. B.A. cum laude '65, M.S.'71, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Population by the (P,N) Reaction and Decay by Proton Emission of Isobaric Analog States of 119 Sn.
Major Adviser: Prof. G. W. Greenlees.
1976. Philip Michael Hegland. B.S.'69, California State College.
Major: Physics. Minor: Mathematics. Thesis: Proton-Proton Scattering From 6 to 14 MeV (Lab).
Major Adviser: Prof. R. E. Brown.
1976. Yousef Isber Makdisi. B.S.'68, American University of Beirut.
Major: Physics. Minor: Mathematics. Thesis: Phi Meson Production in Pion Proton Interactions.
Major Adviser: Prof. Ernest Coleman.
1976. Balasubramanian Rajagopalan. B.S.'63, University of Madras; M.S.'68, University of Bombay.
Major: Physics. Minor: Supporting Program. Thesis: Quasielastic Light Scattering of Phase Transition from Cholesteric Liquid Crystal to Isotropic Fluid.
Major Adviser: Prof. V. A. Bloomfield.
1976. Clarence Joseph Tracy. B.Phys.'67, M.S.'69, University of Minnesota.
Major: Physics. Minor: Mathematics. Thesis: An Investigation of the Time Dependence of Certain Ion Species and Excited States Present in Nitrogen-Rare Gas Afterglows.
Major Adviser: Prof. H. J. Oskam.
1976. Harold Robert Udseth. B.Phys. with high distinction '69, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Dissociative Charge Transfer in Ion-Molecule Collisions.
Major Adviser: Prof. C. F. Giese.
1977. Donovan Michael Bakalyar. B.Phys. with distinction '70, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Nuclear Orientation Studies of the Manganese in Copper Kondo System at Ultralow Temperatures and High Applied Fields.
Major Adviser: Prof. W. V. Weyhmann.
1977. David Lee Clark. B.S.Phys.'65, Ohio State University.
Major: Physics. Minor: Supporting Program. Thesis: A Study of Isotope Shifts and Hyperfine Splitting of Some Rare-Earth Elements Using a Tunable Dye Laser.
Major Adviser: Prof. G. W. Greenlees.
1977. Ali Evinay. B.S. with honors '71, Roberts College.
Major: Physics. Minor: Supporting Program. Thesis: Three Nucleon Transfer in (β ,P) and (^6He , ^6He) Reactions.
Major Adviser: Prof. B. F. Bayman.

Physics

1977. Clayton Alan Gearhart, Jr. B.S.'63, Rensselaer Polytechnic Institute; M.S.'68, University of Minnesota.
Major: Physics. Minor: Mathematics. Thesis: Measurements of the Differential Osmotic Pressure of the Vicinity of the Lambda Line and Tricritical Point in Mixtures of He^3/He^4 .
Major Adviser: Prof. William Zimmermann, Jr.

1977. Justin Ellis Halverson. B.A. cum laude '71, Macalester College; M.S.'75, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Mass Doublet Measurements in the Rare Earths Region and Mass Doublet Calibration of the $^{12}\text{C}(n,r)^{13}\text{C}$ Gamma-Ray Energy.
Major Adviser: Prof. W. H. Johnson.

1977. Joseph Ming-Fai Lee. B.S.'69, Fu Jen Catholic University.
Major: Physics. Minor: Supporting Program. Thesis: Asymmetries in the Polarized P P-PX Interaction of 6 GEV/C.
Major Adviser: Prof. M. L. Marshak.

1977. Mark Thomas LeMere. B.Phys.'73, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Resonating Group Treatment of the Nuclear Systems: n, d, ^3H , ^3He , and beta + ^{16}O .
Major Adviser: Prof. Y. C. Tang.

1977. Norman Arlo McNeal. B.S.'64, Illinois Institute of Technology; M.S.'66, Michigan State University.
Major: Physics. Minor: Supporting Program. Thesis: Low Temperature Electrical Measurements of Vapor Deposited Sodium-Ammonia Films.
Major Adviser: Prof. A. M. Goldman.

1977. Francis John Pinski. B.Math. with distinction '73, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Pair-Pair Correlation in Fluids.
Major Adviser: Prof. C. E. Campbell.

1977. Louis Allen Rose. B.S.E.E. honors '61, University of Arkansas; M.S.'63, Vanderbilt University.
Major: Physics. Minor: Supporting Program. Thesis: Laboratory Simulation of Infrared Astrophysical Features.
Major Adviser: Prof. E. P. Ney.

1977. Wendell Robert Scarlett. B.S.Phys.'68, Massachusetts Institute of Technology.
Major: Physics. Minor: Supporting Program. Thesis: An Experimental Study of the Chemical Composition of Heavy Cosmic Ray Nuclei.
Major Adviser: Prof. C. J. Waddington.

1977. Ronald James Smith. B.A.'72, Gettysburg College; M.S.'75, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: On-Line Precision Mass Measurements of Short-Lived Rubidium and Cesium Isotopes Produced in Proton Fission of Natural Uranium.
Major Advisers: Profs. W. H. Johnson and J. M. Blair.

1977. David James Weber. B.A. magna cum laude '69, Hiram College; M.S.'74, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: A Study of Coulomb-Nuclear Interference in the Elastic and Inelastic Scattering of ^{16}O on Rare-Earth Nuclei.
Major Adviser: Prof. N. M. Hintz.

1978. James Alan Brandt. B.S.'69, Cornell University.
Major: Physics. Minor: Supporting Program. Thesis: The External Source Problem for the Classical Yang-Mills Equations.
Major Adviser: Prof. Hiroshi Suura.

Physics

1978. Peter Puitak Chow. B.A.'66, University of Wisconsin.
Major: Physics. Minor: Chemistry. Thesis: A Pulsed Beam for Molecular Scattering Dynamics.
Major Adviser: Prof. C. F. Giese.
1978. Michael Anthony Franey. B.Phys. with high distinction '69, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Calibration of Sub-Coulomb Heavy Ion Transfer Reactions and Measurement of Neutron Single Particle Wavefunctions in the Surface of 208Pb and 209 Pb.
Major Adviser: Prof. D. K. Dehnhard.
1978. Hardayal Singh Gill. B.Sc.'71, M.Sc.'73, Punjabi University.
Major: Physics. Minor: Electrical Engineering. Thesis: Investigations of Amorphous Gd-Co and Gd-Fe Alloy Thin Films.
Major Advisers: Profs. W. V. Weyhmann and J. H. Judy.
1978. Donald Alan Johnson. A.B.'69, Augustana College.
Major: Physics. Minor: Supporting Program. Thesis: Correlating Pairing Theory of the Ground State of Liquid ⁴He: Formalism and Calculations.
Major Adviser: Prof. C. E. Campbell.
1978. Jay Robert Knutson. B.Phys. with distinction '73, M.S.'75, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Localized Heating Effects in the Quiet Polar Thermosphere.
Major Adviser: Prof. A. O. C. Nier.
1978. Thomas Claude Paulick. B.S.'67, Purdue University; M.S.'69, University of Illinois.
Major: Physics. Minor: Supporting Program. Thesis: Correlated Pairing Theory of Liquid Helium-3.
Major Adviser: Prof. C. E. Campbell.
1978. Andrew James Wardrop. B.Phys. with high distinction '73, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Calculation and Observation of the Infrared Spectral Radiance of the Clear Atmosphere.
Major Adviser: Prof. H. T. Mantis.
1979. Harris Peter Kagan. B.S. magna cum laude '72, State University of New York, Stony Brook.
Major: Physics. Thesis: Measurement of the Depolarization and Asymmetry Parameters in the Process $P + P \rightarrow P + X$.
Major Adviser: Prof. M. L. Marshak.
1979. Gary Steven Kyle. B.S. with honors '70, Case Western Reserve University.
Major: Physics. Minor: Internal. Thesis: Instrumentation and Tuneup of the High Resolution Spectrometer and Proton Scattering at 800 MEV from ⁵⁸Ni
Major Adviser: Prof. N. M. Hintz.
1979. Navalgund A. H. K. Rao. B.Sc.'70, M.Sc.'72, Banaras Hindu University.
Major: Physics. Thesis: Heat Capacity of Amorphous and Disordered Nb₃Ge Thin Films.
Major Adviser: Prof. A. M. Goldman.
1979. Judith Sharn Rubin Young. A.B. cum laude '74, Radcliffe College; M.S.'77, University of Minnesota.
Major: Physics. Minor: Astrophysics. Thesis: The Isotopic Composition of Cosmic Rays.
Major Adviser: Prof. P. S. Freier.

Physics

1980. Frank Eugene Aspen. B.S. summa cum laude '71, Bemidji State College.
Major: Physics. Thesis: Effects of Spin-Flip Scattering on the Dynamics of the Superconducting Order Parameter.
Major Adviser: Prof. A. M. Goldman.

1980. David Roy Bowman. B.A. with highest honors '76, Bethel College.
Major: Physics. Thesis: Spin Glass Transition in Systems with Short Range Exchange and Random Long Range Couplings.
Major Adviser: Prof. J. W. Halley.

1980. Douglas Warren Ernie. B.S. cum laude '73, University of North Dakota; M.S.'75, University of Illinois.
Major: Physics. Thesis: Energy Transfer Mechanisms in Gas Mixtures.
Major Adviser: Prof. H. J. Oskam.

1980. Frank Lee Goodin. B.S. with high honors '71, University of Illinois.
Major: Physics. Thesis: Effective Operators in Nuclei.
Major Adviser: Prof. P. J. Ellis.

1980. Emmanuel Abdiyah Haqq. B.Physics with high distinction '74, University of Minnesota.
Major: Physics. Minor: Internal. Thesis: The Dynamical Structure of the Pion.
Major Adviser: Prof. Hiroshi Suura.

1980. John Barry Kiely. B.S.'74, University of Michigan.
Major: Physics. Thesis: Frequency Dependent Electrical Resistivity and Magnetic Susceptibility Measurements at the Nuclear Magnetic Ordering Transition in PrCu_6 .
Major Adviser: Prof. W. V. Weyhmann.

1980. Charles Arthur Marttila. B.S. summa cum laude '74, M.S.'76, University of Minnesota, Duluth.
Major: Physics. Thesis: Disparate Anode-Cathode Coronal Light Emission.
Major Adviser: Prof. G. D. Freier.

1980. Bjorn Erik Mossberg. Filosofie Magister '72, University of Lund.
Major: Physics. Thesis: Asymmetries in Large Angle Elastic Proton-Proton and Proton-Neutron Scattering at 2, 3 and 6 GeV/c Incident Momentum.
Major Adviser: Prof. E. A. Peterson.

1980. Bassam Ahmad Mughrabi. B.S.'69, Damascus University; M.S.'72, Eastern Michigan University.
Major: Physics. Minor: Internal. Thesis: Some Problems in Nuclear Reaction Theory.
Major Adviser: Prof. P. J. Ellis.

1980. Paul Charles Schubert. B.Phys. with distinction '69, University of Minnesota.
Major: Physics. Minor: Astrophysics. Thesis: Superfluid Densities and Critical Velocities in Small Channels for Pure ^4He and Mixtures of ^4He and ^3He .
Major Adviser: Prof. William Zimmerman, Jr.

1981. James Wittman Babcock. B.A. cum laude '68, Kenyon College.
Major: Physics. Thesis: Nuclear Magnetic Ordering in PrCu_6 .
Major Adviser: Prof. W. V. Weyhmann.

1981. John Otto Ballenthin. B.Physics with high distinction '74, University of Minnesota.
Major: Physics. Minor: Electrical Engineering. Thesis: The Construction of a Neutral Molecular Beam Facility and Its Application to Mass Spectrometers Carried on Space Vehicles.
Major Adviser: Prof. A. O. C. Nier.

Physics

1981. Robin Harold Cantor. B.A. summa cum laude '74, Macalester College.
Major: Physics. Thesis: Single-Particle and Pair Tunnelling Studies of
Superconducting Compounds and Two-Dimensional Films.
Major Adviser: Prof. A. M. Goldman.

1981. Jongsheng Chen. B.A.'70, National Taiwan Normal University;
M.S.'73, National Tsing Hua University.
Major: Physics. Minor: Internal. Thesis: One-and-Two Step
Contributions to Two-Nucleon Transfer Nuclear Reactions.
Major Adviser: Prof. B. F. Bayman.

1981. Laura Feijoo. Licenciatura '73, Universidad Central de Venezuela.
Major: Physics. Thesis: Phase Transitions in Classical Systems.
Major Adviser: Prof. C. E. Campbell.

1981. Paul Charles Filbert. B.S. cum laude '71, State University of New
York, Stony Brook.
Major: Physics. Thesis: Observations of Electrostatic and
Electromagnetic Waves in the Earth's Magnetosphere.
Major Adviser: Prof. P. J. Kellogg.

1981. Noel Julien Petit. B.A. summa cum laude '69, St. Olaf College;
M.S.'78, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Laser Doppler
Anemometry Observation of Drop Growth in a Warm Cloud Environment.
Major Adviser: Prof. H. T. Mantis.

1981. Richard Wallace Robinett. B.A. magna cum laude '75, University of
Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Mass Scales in
Grand Unified Theories.
Major Adviser: Prof. J. L. Rosner.

1981. Susan Joyce Seestrom-Morris. B.P. with distinction '78, University
of Minnesota.
Major: Physics. Minor: Internal. Thesis: The Structure of ^{13}C Studied
by Pion Scattering Near the $[3,3]$ Resonance.
Major Adviser: Prof. D. K. Dehnhard.

1981. Leland Ray Whitney. B.S. with honors '75, University of Wisconsin,
Superior.
Major: Physics. Minor: Supporting Program. Thesis: Structure of
Quantum Fluids.
Major Adviser: Prof. C. E. Campbell.

1982. Dennis Arthur Behm. B.E.E. with distinction '79, M.S.'77,
University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Electrodynamics of
the Aurora.
Major Adviser: Prof. L. J. Cahill, Jr.

1982. Kenneth Epstein. B.A. with high honors '75, Rutgers State
University.
Major: Physics. Minor: Supporting Program. Thesis: Electrical
Transport Properties in the Mercury Rare Gas System.
Major Adviser: Prof. A. M. Goldman.

1982. Steven F. Heppelmann. B.S.'73, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: A Measurement of
the Pion Electromagnetic Charge Radius by Pion Electron Scattering.
Major Adviser: Prof. E. A. Peterson.

1982. David Hickerson. B.A.'67, Olivet Nazarene College; M.S.'70, DePaul
University.
Major: Physics. Minor: Supporting Program. Thesis: Double Excitation
of Light Atoms by Electron Impact.
Major Advisers: Profs. C. F. Giese and J. S. Dahler.

Physics

1982. Lyle Harold Johnson. B.Phys. with distinction '71, M.S.'74, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Composition and Winds in the Earth's Lower Atmosphere.
Major Advisers: Profs. A. O. C. Nier and Konrad Mauersberger.
1983. Stuart Mitchell Anderson. B.A. cum laude '78, Augsburg College.
Major: Physics. Minor: Supporting Program. Thesis: The Study of a Mass Spectrometer-Beam System for Measurements of Ozone and Other Minor Constituents of the Stratosphere.
Major Adviser: Prof. Konrad Mauersberger.
1983. Jodie Ann Christner. B.S. summa cum laude '75, University of North Dakota.
Major: Physics. Minor: Supporting Program. Thesis: Mossbauer Investigations of Sulfite Reductase From Escherichia Coli: Evidence for Siroheme--[4Fe-4S] Cluster Exchange Coupling.
Major Advisers: Profs. Eckard Muenck and W. V. Weyhmann.
1983. Terrence Harold Joyce. B.S.'74, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Diffractive Dissociation of Negative Pions Off Complex Nuclei at 156 GeV/c.
Major Adviser: Prof. M. L. Marshak.
1983. Chung Ngoc Terence Leung. B.Chemistry with high distinction '77, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Observable Consequences of SO(10) Unified Theories.
Major Adviser: Prof. J. L. Rosner.
1983. Richard Lee Swanson. B.Physics with high distinction '72, M.S.'79, University of Minnesota.
Major: Physics. Minor: Computer and Information Sciences. Thesis: Electron Echo 5 - Detection of Artificially Injected Electrons by Optical and X-Ray Methods.
Major Adviser: Prof. J. R. Winckler.
1984. John Eric Bartelt. B.S.'77, University of Wisconsin.
Major: Physics. Minor: Supporting Program. Thesis: Results From the Soudan Prototype Proton Decay Experiment.
Major Adviser: Prof. Keith Ruddick.
1984. Nancy Lee Brewster. B.A.'76, Northwestern University; M.S.'78, University of California, Los Angeles.
Major: Physics. Minor: Supporting Program. Thesis: The Propagation of Ultraheavy Cosmic Rays.
Major Adviser: Prof. P.S. Freier.
1984. Youngsuk Cho. B.S.'80, Seoul National University.
Major: Physics. Minor: Supporting Program. Thesis: Studies of Collision Processes in Gaseous Plasmas Produced in Rare Gas- Copper and Helium-Neon Mixtures.
Major Adviser: Prof. H. J. Oskam.
1984. Bruce David Collick. B.A.'75, Northwestern University; M.S.'78, Rutgers University.
Major: Physics. Minor: Supporting Program. Thesis: A Measurement of the Mass, Full Width, and Radiative Width of the B⁺ (1237) Meson.
Major Adviser: Prof. M. L. Marshak.
1984. Warren Joseph Dick. B.S. with distinction '75, University of Illinois.
Major: Physics. Minor: Supporting Program. Thesis: Exploring the Early Universe with Laser Spectroscopy.
Major Adviser: Prof. G. W. Greenless.

Physics

1984. Craig Stanley Lent. B.A.'78, University of California, Berkeley.
Major: Physics. Minor: Supporting Program. Thesis: Electron
Diffraction from Surfaces with Atomic Steps.
Major Advisers: Profs. A. M. Goldman and P. I. Cohen.
1984. Shui-Chih Alan Lien. B.S.'78, National Taiwan Normal University.
Major: Physics. Minor: Supporting Program. Thesis: The Nature of the
Smectic A - Smectic C and Smectic A - Chiral Smectic C Transitions of
Liquid Crystals.
Major Adviser: Prof. C. C. Huang.
1984. Li-Jen Teresa Lin. B.Ed.'76, Taiwan Provincial College of
Education.
Major: Physics. Minor: Internal. Thesis: Tunneling Into the Magnetic
Superconductor ErRh_4B_4 .
Major Adviser: Prof. A. M. Goldman.
1984. Peter Jack Moxhay. B.S. magna cum laude '77, Brown University.
Major: Physics. Minor: Internal. Thesis: Relativistic Corrections to
Electric-Dipole Transition Rates in Quark-Antiquark Bound States.
Major Adviser: Prof. J. L. Rosner.
1984. Jim David Povlis. B.S. summa cum laude '76, M.A.'76, Kent State
University; M.S.'78, California Institute of Technology.
Major: Physics. Minor: Supporting Program. Thesis: A Measurement of
Neutral Meson and Direct Photon Production at Large Transverse Momentum.
Major Adviser: Prof. Kenneth Heller.
1985. Charles Louis Blilie. B.Phys. '81, B.S. Astrop. '81, University of
Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Pion Scattering
from ^4He .
Major Adviser: Prof. D. K. Dehnhard.
1985. David Carlton Cook. B.Phys. with distinction '80, University of
Minnesota.
Major: Physics. Minor: Internal. Thesis: A Study of ^{208}Pb by Inelastic
Proton Scattering at 318 MeV.
Major Adviser: Prof. N. M. Hintz.
1985. James Stewart Davidson. B.S. '74, United States Military Academy.
Major: Physics. Minor: Supporting Program. Thesis: Studies of
Thermoelectric Effects in Dimensionally Constrained Systems.
Major Adviser: Prof. E. D. Dahlberg.
1985. Supattanapong Dumrongrattana. B.E. '75, King Mongkuts Institute of
Technology; M.S. '82, University of Minnesota.
Major: Physics. Minor: Metallurgy and Materials Science. Thesis:
Characterization of a Chiral Smectic C Liquid Crystal.
Major Adviser: Prof. C. C. Huang.
1985. Zina Abboud El-Itaoui. Licence '79, Lebanese University.
Major: Physics. Minor: Supporting Program. Thesis: Effective Operators
in Nuclear Reactions.
Major Adviser: Prof. P. J. Ellis.
1985. Scott Herbert Fricke. B.S. '79, North Dakota State University.
Major: Physics. Minor: Supporting Program. Thesis: A Theoretical Study
of Anomalous Projectile Fragments Produced in Relativistic Heavy Ion
Interactions.
Major Adviser: Prof. B. F. Bayman.
1985. Gregory Hall. B.S. with high scholarship '79, Oregon State
University.
Major: Physics. Minor: Supporting Program. Thesis: Vibrational
Excitation in Molecular Collisions.
Major Adviser: Prof. C. F. Giese.

Physics

1985. Steven John Heilig. B.S. with honor '79, University of Wyoming.
Major: Physics. Minor: Internal. Thesis: A Search for Free Fractional Charge.
Major Adviser: Prof. M. A. Shupe.

1985. Jeffrey Earl Johnson. B.Math. with distinction '76, M.S. '79, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Tests of Supersymmetry.
Major Adviser: Prof. Serge Rudaz.

1985. Mahmoud Khaled Kullab. B.S. with honors, '74, Ain Shams University.
Major: Physics. Minor: Supporting Program. Thesis: Fundamental Problems in Quantum Field Theory at High Temperature.
Major Adviser: Prof. J. I. Kapusta.

1985. Xue Qian Li. Diploma '66, Nankai University.
Major: Physics. Minor: Supporting Program. Thesis: A Study of Delta S=1 Weak Radiative Decays.
Major Adviser: Prof. S. G. Gasiorowicz.

1985. Nai-guo Lin. Diploma '69, Peking University.
Major: Physics. Minor: Supporting Program. Thesis: Daytime Long Period Micropulsations Near Geomagnetic Shells $L = 4.5$.
Major Adviser: Prof. L. J. Cahill.

1985. Daniel Mark Murphy. B.A. '79, Oberlin College; M.S. '80, Stanford University.
Major: Physics. Minor: Supporting Program. Thesis: Measurement of Trace Gases in the Stratosphere With a Mass Spectrometer System.
Major Adviser: Prof. Konrad Mauersberger.

1985. Bradford Grant Orr. B.Phys. with high distinction '80, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Electrical Transport Properties of Ultra-Thin Metallic Films: Percolation, Localization and Superconductivity.
Major Adviser: Prof. A. M. Goldman.

1985. Scott Edward Pratt. B.S. '80, University of Kansas.
Major: Physics. Minor: Supporting Program. Thesis: Pion Pictures of Heavy Ion Collisions.
Major Adviser: Prof. J. I. Kapusta.

1985. Frank Edgar Stageberg. B.Math. with distinction '76, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: The Interaction of Superconductivity and Magnetism at an Interface.
Major Adviser: Prof. A. M. Goldman.

1985. Zlatko Bosko Tesanovic. Diploma '79, University of Sarajevo.
Major: Physics. Minor: Supporting Program. Thesis: Topics in Physics of Superfluid ^4He Films.
Major Advisers: Profs. C. E. Campbell and O. T. Valls.

1985. David Soren Wahl. B.A. cum laude '79, St. Olaf College.
Major: Physics. Minor: Supporting Program. Thesis: Inclusive Hadron Production Near an X_p of One.
Major Adviser: Prof. M.L. Marshak.

1986. Yasuyuki Abe. B.S. '80, Yamagata University.
Major: Physics. Minor: Supporting Program. Thesis: Studies of a Turbulent Plasma Environment Near an Electron Beam-Emitting Rocket in the Polar Ionosphere Using Electric Probes: Echo 6.
Major Adviser: Prof. J. R. Winckler.

Physics

1986. Brian Paul Beecken. B.A. with highest honor '80, Elmhurst College; M.S. '84, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Critical Flow of Superfluid ^4He Through a Small Orifice.
Major Adviser: Prof. William Zimmermann, Jr.

1986. Robert Eric Erlandson. B.A. magna cum laude '82, Augsburg College; M.S. '84, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Plasma Waves Generated During an Artificial Argon Ion Beam Experiment in the Ionosphere.
Major Adviser: Prof. L. J. Cahill, Jr.

1986. Teruo Kurai. B.S. '76, Tohoku University.
Major: Physics. Minor: Supporting Program. Thesis: Solutions in Abelian and Non-Abelian Gauge Theory.
Major Adviser: Prof. Hiroshi Suura.

1986. Miroslav Nikolic. B.Phys. with distinction '77, University of Minnesota.
Major: Physics. Minor: Supporting Program. Thesis: Spontaneous Symmetry Breaking and Pseudo-Goldstone Bosons in Curved Space-Time.
Major Adviser: Prof. Serge Rudaz.

1986. Peng Nian Shen. Diploma '67, NanKai University.
Major: Physics. Minor: Supporting Program. Thesis: Pseudo-State Method in Light Systems.
Major Adviser: Prof. Y. C. Tang.

Statistics

1976. Hsien Elsa Lin. B.Com. '71, National Chengchi University.
Major: Statistics. Minor: Mathematics. Thesis: On Some Aspects of the Classification Problem.
Major Adviser: Prof. Somesh Das Gupta.

1977. Kenneth Joseph Koehler. B.S. with distinction '72, University of Wisconsin, Parkside.
Major: Statistics. Minor: Mathematics. Thesis: Goodness of Fit Statistics for Large Sparse Multinomials.
Major Adviser: Prof. Kinley Larntz.

1977. Jung-Keun Lee. B.S. '63, M.S. '65, Yonsei University; M.S. '73, University of Minnesota.
Major: Statistics. Minor: Mathematics. Thesis: A Group-Testing Problem with the Minimax Criterion.
Major Adviser: Prof. Milton Sobel.

1977. Lawrence Alcides Thibodeau. B.S. magna cum laude '72, University of Tampa.
Major: Statistics. Minor: Supporting Program. Thesis: Robust Design for Regression Problems.
Major Adviser: Prof. R. D. Cook.

1978. Erik Vincent Nordheim. A.B. '66, M.A. '72, University of California, Berkeley.
Major: Statistics. Minor: Supporting Program. Thesis: Inference with Nonrandomly Missing Data.
Major Adviser: Prof. D. V. Hinkley.

1979. Stephen Samuel Brier. B.S. '68, Cooper Union; M.S. '70, Carnegie-Mellon University.
Major: Statistics. Minor: Mathematics. Thesis: Goodness-of-Fit Statistics in Non-Standard Situation.
Major Adviser: Prof. S. E. Fienberg.

Statistics

1979. Wesley Orin Johnson. B.S.'72, University of Washington; M.S.'74, California State College, Hayward.

Major: Statistics. Thesis: A Bayesian Method of Detecting Influential Subsets of Data in Prediction.

Major Adviser: Prof. Seymour Geisser.

1979. Hai-Li Hsiang Wang. B.S.'70, National Taiwan Normal University; M.S.'71, Carnegie-Mellon University.

Major: Statistics. Minor: Mathematics. Thesis: Robust Estimation and Regression.

Major Adviser: Prof. D. V. Hinkley.

1980. Dorothee M. Pffner Aeppli. Diplom Math.'53, Eidgenossische Technische Hochschule; M.S.'76, University of Minnesota.

Major: Statistics. Minor: Mathematics. Thesis: The Concept of Information and Ferguson's Distribution.

Major Adviser: Prof. D. A. Berry.

1980. Jane-Lan Christy Chuang. B.S.'75, National Taiwan University.

Major: Statistics. Minor: Mathematics. Thesis: Analysis of Categorical Data with Ordered Categories.

Major Adviser: Prof. Kinley Larntz.

1980. Patricia Louise Meller Grambsch. B.A. summa cum laude '71, Carleton College.

Major: Statistics. Minor: Mathematics. Thesis: Conditional Likelihood Inference.

Major Adviser: Prof. D. V. Hinkley.

1980. Larry Martin Pearson. B.S. with high honor '72, Northern Michigan University.

Major: Statistics. Minor: Mathematics. Thesis: Treatment Allocation for Clinical Trials in Stages.

Major Adviser: Prof. D. A. Berry.

1981. Roy Frederick Mensch. B.S.'74, Brown University.

Major: Statistics. Thesis: A Search Problem with Directional Information.

Major Adviser: Prof. D. A. Berry.

1981. Michael Malcolm Meyer. B.A. with honours '77, University of Western Australia.

Major: Statistics. Thesis: Applications and Generalizations of the Iterative Proportional Fitting Procedure.

Major Adviser: Prof. S. E. Fienberg.

1981. Richard R. Picard. B.A.'74, Carleton College.

Major: Statistics. Minor: Mathematics. Thesis: On Assessment of the Predictive Ability of Linear Regression Models.

Major Adviser: Prof. R. D. Cook.

1981. Wei-Chung Joe Shih. B.S.'72, National Chung-Hsing University; M.S.'75, University of Rhode Island.

Major: Statistics. Minor: Mathematics. Thesis: Case Analysis of Multiple Linear Regression with Incomplete Data.

Major Adviser: Prof. Sanford Weisberg.

1982. Dennis Eugene Jennings. B.A. summa cum laude '77, Augustana College.

Major: Statistics. Minor: Mathematics. Thesis: Inference and Diagnostics for Logistic Regression.

Major Adviser: Prof. F. K. Larntz.

1982. George Charles Runger. B.S.'74, Cornell University.

Major: Statistics. Minor: Mathematics. Thesis: Permutation Tests in Multivariate Analysis.

Major Adviser: Prof. M. L. Eaton.

Statistics

1982. PeCheng Wang. B.S.'72, M.S.'76, Tsing Hua University.
Major: Statistics. Minor: Mathematics. Thesis: Diagnostics in Regression Models.
Major Adviser: Prof. R. D. Cook.
1983. Ronald Richard Christensen. B.A.'74, M.S.'76, University of Minnesota.
Major: Statistics. Minor: Mathematics. Thesis: Searching for the Lowest Price When the Unknown Distribution of Prices is Modeled with a Dirichlet Process.
Major Adviser: Prof. D. A. Berry.
1983. Murray Keith Clayton. B.Math.'79 with honors '79, University of Waterloo.
Major: Statistics. Minor: Mathematics. Thesis: Bayes Sequential Sampling for Choosing the Better of Two Populations.
Major Adviser: Prof. D. A. Berry.
1983. Chih-Ling Tsai. B.S.'74, Tamkang University; M.S.'77, University of Illinois at Chicago Circle.
Major: Statistics. Minor: Mathematics. Thesis: Contributions to the Design and Analysis of Non-Linear Models.
Major Adviser: Prof. R. D. Cook.
1983. Jeffrey Alvin Witmer. B.S. with honors '79, University of Wisconsin, La Crosse.
Major: Statistics. Minor: Supporting Program. Thesis: Bayesian Multistage Decision Problems.
Major Adviser: Prof. D. A. Berry.
1984. Edward John Bedrick. B.A. summa cum laude '76, State University of New York at Buffalo.
Major: Statistics. Minor: Supporting Program. Thesis: Adjusted Chi-Squared Tests for Cross-Classified Tables of Survey Data.
Major Adviser: Prof. F. K. Larntz.
1984. Siu Chuen Ho. B.Comm.Hon.'77, The University of Manitoba.
Major: Statistics. Minor: Supporting Program. Thesis: Small Sample Inference for the Bingham Distribution.
Major Adviser: Prof. Christopher Bingham.
1985. Phillip Lee Chapman. A.B. '71, University of California, Berkeley.
Major: Statistics. Minor: Supporting Program. Thesis: Evaluation of a Pivotal Quantity for Use with the Bootstrap.
Major Adviser: Prof. D.V. Hinkley.
1985. Mark Robert Conaway. A.B. with honors '80, Grinnell College.
Major: Statistics. Minor: Supporting Program. Thesis: The Analysis of Categorical Data From Repeated Measures Designs.
Major Adviser: Prof. F. K. Larntz.
1985. Stephen Gregory Eick. B.A. magna cum laude '80, Kalamazoo College; M.A. '81, University of Wisconsin.
Major: Statistics. Minor: Mathematics. Thesis: Sequential Experimentation with Delayed Responses.
Major Adviser: Prof. D. A. Berry.
1985. James Steven Hodges. B.Math. '79, University of Waterloo.
Major: Statistics. Minor: Public Affairs. Thesis: Methods for Assessing the Accuracy of Some Standard Approximations.
Major Adviser: Prof. Seymour Geisser.
1985. Robert Edward McCulloch. B.S. '81, University of Toronto; M.S. '84, University of Minnesota.
Major: Statistics. Minor: Supporting Program. Thesis: Model Influence in Bayesian Statistics.
Major Adviser: Prof. Seymour Geisser.

Statistics

1985. Shane P. Pederson. B.Stat. with high distinction '80, University of Minnesota.

Major: Statistics. Minor: Mathematics. Thesis: Misclassification in Logistic Regression.

Major Adviser: Prof. F. K. Larntz.

1986. Chih-Hsiang Derek Ho. B.S. '75, National Central University; M.S. '84, University of Minnesota.

Major: Statistics. Minor: Mathematics. Thesis: One-Sided Sequential Stopping Boundaries for Clinical Trials: Classical and Bayesian Approaches.

Major Adviser: Prof. D. A. Berry.

1986. Yonggoo Lee. B.Econ. '80, Korea University.

Major: Statistics. Minor: Supporting Program. Thesis: Independence Relationships for Multivariate Distributions.

Major Adviser: Prof. R. J. Buehler.

PLANT AND ANIMAL SCIENCES POLICY AND REVIEW COUNCIL

Agronomy

1976. William John Bertges. B.S.'68, Pennsylvania State University. Major: Agronomy. Minor: Plant Physiology. Thesis: Establishment of Forage Species for Seed Production With Herbicide-Protectant Combinations. Major Adviser: Prof. Richard Behrens.

1977. Gordon Roy Pryor. B.S.'60, St. Cloud State College; M.S.'68, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: The Effects of Cadmium, Chromium, Nickel and Lead on Growth and Composition of Forage Species. Major Adviser: Prof. L. H. Smith.

1977. Steve Robert Simmons. B.S.A. with distinction '68, Purdue University; M.S.'74, Colorado State University. Major: Agronomy. Minor: Plant Physiology. Thesis: Physiological Aspects of Protein Production by Spring Wheat. Major Adviser: Prof. D. N. Moss.

1979. Ron R. Crockett. B.S.'76, Brigham Young University; M.S.'78, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Sweet Corn Growth and Development Following Early Defoliation. Major Adviser: Prof. R. K. Crookston.

1979. Thomas Glover Patterson. B.S. cum laude '74, Washington State University; M.S.'77, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Characterization of Senescence in Field-Grown Wheat. Major Adviser: Prof. W. A. Brun.

1980. Jerome Henry Cherney. B.S.'71, M.S.'77, University of Wisconsin. Major: Agronomy. Minor: Supporting Program. Thesis: Analysis of Forage Yield and Quality Potential of Small Grain Crops and the Interrelationships Among Biological, Chemical, Morphological, and Anatomical Determinants of Quality. Major Adviser: Prof. G.C. Marten.

1980. Gary Alan Finn. B.S. with honors '76, University of Missouri, Columbia; M.S.'78, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: The Role of Current Photosynthate and Carbohydrate Reserves in the Control of Nitrogen Fixation in Soybeans (Glycine Max [L.] Merr.). Major Adviser: Prof. W.A. Brun.

1980. Pascal Jose Gbikpi. Diplome '76, Institut National Agronomique Paris-Grignon. Major: Agronomy. Minor: Supporting Program. Thesis: Characterizing the Grain-Filling and Maturation Period of Soybean (Glycine Max [L.] Merrill) Growth. Major Adviser: Prof. R. K. Crookston.

1980. Frederick William Hotzman. B.A. magna cum laude '75, West Chester State College. M.S.'77, University of Delaware. Major: Agronomy. Minor: Plant Physiology. Thesis: Effects of Plant Water Stress on the Response of Velvetleaf (Abutilon theophrasti), Wild Mustard (Brassica kaber) and Common Lambsquarter (Chenopodium album) to Foliar Applications of 2, 4-D and Dicamba. Major Adviser: Prof. Richard Behrens.

Agronomy

1980. Timothy Lloyd Setter. B.S.'74, M.S. '76, University of Wisconsin. Major: Agronomy. Minor: Supporting Program. Thesis: Abscissic Acid Involvement in Stomatal Closure and Photosynthetic Inhibition Resulting from Translocation Obstruction by Pod Removal or Petiole Girdling in Soybeans (Glycine Max [L] Merr.). Major Adviser: Prof. W.A. Brun.
1980. Richard Paul Walgenbach. B.S.'72, M.S.'76, University of Wisconsin. Major: Agronomy. Minor: Supporting Program. Thesis: Influence of Climatic and Soil Factors on the Release of Soluble Nitrogen and Protein From Alfalfa (Medicago Sativa L.) Cultivars. Major Adviser: Prof. G.C. Marten.
1980. Philip Westra. B.A.'71, University of Wisconsin; B.A.'73, Calvin College. Major: Agronomy. Minor: Plant Physiology. Thesis: Control of Quackgrass (Agropyron Repens) With Glyphosate. Major Adviser: Prof. D.L. Wyse.
1981. Charlotte Vawter Eberlein. B.S. summa cum laude '75, Washington State University; M.S.'78, Oregon State University. Major: Agronomy. Minor: Plant Physiology. Thesis: Environmental and Selectivity Factors Involved in Wheat (Triticum Aestivum) Tolerance to Propanil. Major Adviser: Prof. Richard Behrens.
1981. Randall Gene Jeppson. B.S. with honors '75, M.S. '77, University of Illinois. Major: Agronomy. Minor: Plant Physiology. Thesis: Influence of the Shoot Apex on the Development and Yield of Cereals. Major Adviser: Prof. R. K. Crookston.
1981. Francis Lewis Young. B.S.'72, South Dakota State University; M.S.'79, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Quackgrass (Agropyron repens) Interference in Corn (Zea mays) and Soybeans (Glycine mas). Major Adviser: Prof. D.L. Wyse.
1982. Joe Justice Afuakwa. B.S.'77, University of Science and Technology, Ghana. Major: Agronomy. Minor: Supporting Program. Thesis: A Re-Evaluation of Some Aspects of the Growth and Maturation of the Corn (Zea mays, L) Kernel. Major Adviser: Prof. R. K. Crookston.
1982. Paul Russell Carter. B.S.'78, North Dakota State University; M.S.'80, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Alfalfa Response to Soil Water Deficits. Major Adviser: Prof. C. C. Sheaffer.
1982. Frederick Leonard Groya. B.S.'77, University of Illinois; M.S.'80, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: An Evaluation of Annual Alfalfa as a Nitrogen Source. Major Adviser: Prof. C. C. Sheaffer.
1982. Larry Herman Hageman. B.S. with honors '78, University of Illinois; M.S.'80, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Investigations of Chlorsulfuron Mode of Action and Soil Persistence. Major Adviser: Prof. Richard Behrens.
1982. Joel K. Ransom. B.S.'78, Brigham University; M.S.'80, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Chemical and Cultural Control of Common Waterplantain in Wild Rice. Major Adviser: Prof. Ervin Oelke.

Agronomy

1983. Dale Robert Carlson. B.S. cum laude and honors program '79, University of Missouri, Columbia; M.S.'81, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Effect of Pods on Assimilate Translocation and Foliar Partitioning in Soybean. Major Adviser: Prof. W. A. Brun.

1983. Harry Thomas Cralle. B.S. with high honors '77, Illinois State University; M.S.'79, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Photosynthate Partitioning in Alfalfa Populations Selected for High Nitrogen Fixation Capability. Major Adviser: Prof. G. H. Heichel.

1983. Robert A. Henson. B.A.'69, Macalester College. Major: Agronomy. Minor: Supporting Program. Thesis: Partitioning of Total N and Symbiotically Fixed N₂ in Soybeans and Alfalfa. Major Adviser: Prof. G. H. Heichel.

1983. Thomas Bernard Klevorn. B.S. with honors '78, M.S.'80, University of Missouri. Major: Agronomy. Minor: Supporting Program. Thesis: Effect of Soil Temperature, Soil Moisture, and Transport System Alteration on Assimilate Transport in Quackgrass [Agropyron repens (L.) Beauv.]. Major Adviser: Prof. D. L. Wyse.

1983. Laura Sue Quakenbush. B.S. with distinction '78, Colorado State University; M.S.'80, University of Nebraska. Major: Agronomy. Minor: Plant Physiology. Thesis: Studies on the Biology and Herbicide Susceptibility of Weedy Nightshades of the Solanum nigrum Complex (Solanum sect. Solanum). Major Adviser: Prof. R. N. Andersen.

1984. Geoffrey Emmett Brink. B.S. with highest distinction '80, Pennsylvania State University; M.S.'83, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Establishment of Alfalfa With and Without Barley or Oat Companion Crops -- Forage Yield and Quality, and Alfalfa Persistence. Major Adviser: Prof. G. C. Marten.

1984. Oran Bryce Hesterman. B.S. highest honors '79, M.S.'81, University of California, Davis. Major: Agronomy. Minor: Business Administration. Thesis: Contributions of Alfalfa to a Subsequent Corn Crop: Agronomic and Economic Evaluation. Major Adviser: Prof. C. C. Sheaffer.

1984. Mark Allen Waldecker. B.S.'80, Michigan State University; M.S.'82, University of Minnesota. Major: Agronomy. Minor: Supporting Program. Thesis: Soil Moisture, Chemical, and Physical Effects on Glyphosate Absorption and Translocation in Common Milkweed (Asclepias Syriaca L.). Major Adviser: Prof. D. L. Wyse.

1985. Jonathan Mark Hanft. B.S.'79, Cornell University; M.S.'82, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Kernel Abortion in Maize. Major Adviser: Prof. R. J. Jones.

1985. Joseph Gerard Lauer. B.S. '78, St. John's University; M.S. '83, University of Minnesota. Major: Agronomy. Minor: Plant Physiology. Thesis: Carbon Partitioning, Morphological Development, and Canopy Light Attenuation in Field-Grown Spring Barley (Hordeum Vulgare L.). Major Adviser: Prof. S. R. Simmons.

Agronomy

1985. Yusuf Nurraddin Meriwani. B.S. '73, M.S. '76, University of Baghdad.
Major: Agronomy. Minor: Supporting Program. Thesis: Effect of Tillage, Glyphosate and Sethoxydim on Quackgrass (Agropyron Repens) in a Corn (Zea Mays) Soybean (Glycine Max) Rotation.
Major Adviser: Prof. D. L. Wyse.
1986. Steven Joseph Guldán. B.S. '81, Mankato State University; M.S. '84, University of Minnesota.
Major: Agronomy. Minor: Supporting Program. Thesis: Factors Affecting Amino Acid Nutrition in Developing Soybean Seeds.
Major Adviser: Prof. W. A. Brun.

Animal Physiology

1978. Rajasingam Sivaperagasam Jeyendran. B.V.M.'72, University of Ceylon; M.S.'76, University of Minnesota.
Major: Animal Physiology. Minor: Theriogenology. Thesis: Studies Concerning the Quality of Freeze-Dried Bovine Semen.
Major Adviser: Prof. E. F. Graham.
1978. Panayiotis Michael Zavos. B.A.'70, M.S.'72, Kansas State Teachers College.
Major: Animal Physiology. Minor: Supporting Program. Thesis: The Effects of Supercooling by the Use of Emulsions on the Fertility of Turkey Spermatozoa.
Major Adviser: Prof. E. F. Graham.
1979. Firmin Christopher Deibel, Jr. B.A.'64, College of Wooster; M.S.'68, University of Minnesota.
Major: Animal Physiology. Minor: Physics. Thesis: Electronic Assay for Concentration of Spermatozoa with Intact Cytoplasmic Membranes under Hypotonic Stress.
Major Adviser: Prof. E. F. Graham.
1979. Christine Anne Milligan-Ciha. B.S.'73, Iowa State University; M.S.'75, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Changes in the Epididymal Environment and Antigenic Composition of Seminal Components During Transit Through the Ram Reproductive Tract.
Major Adviser: Prof. A. G. Hunter.
1981. James Millam. B.S. with distinction '73, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: The Regulation of Gonadotropin-Releasing Hormone in Japanese Quail (Coturnix coturnix japonica).
Major Adviser: Prof. W. H. Burke.
1981. Kenneth C. Okonkwo. B.Sc. (Agric.) '73, University of Ibadan.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Characterization of Turkey Seminal Plasma and Possible Sperm Coating Proteins.
Major Adviser: Prof. B. G. Crabo.
1982. Mark Douglas Hirschel. B.A.'74, Southwest Minnesota State College; M.S.'77, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: A Biochemical and Immunological Study of the Proteins Found in the Bovine Normal and Cystic Ovary.
Major Adviser: Prof. A. G. Hunter.
1983. Eileen Frances Bostwick. B.S.'71, M.S.'77, Michigan State University.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Antigens of the Bovine Embryo and Its Extraembryonic Tissues Throughout Early Pregnancies.
Major Adviser: Prof. A. G. Hunter.

Animal Physiology

1984. Martha Aguirre De Garcia. Licenciado '73, Universidad de los Andes; M.S.'80, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Dialysis: A Method for Studying and Improving the Quality of Frozen Bovine Spermatozoa.
Major Adviser: Prof. E. F. Graham.

1984. Steven Craig Fehrer. B.S. with distinction '73, M.S.'77, University of Wisconsin.
Major: Animal Physiology. Minor: Supporting Program. Thesis: The Role of Monoamines and Thyrotropin Releasing Hormone in Prolactin and Luteinizing Hormone Release by the Pituitary Gland of the Young Domestic Turkey (*Meleagris gallopavo*).
Major Adviser: Prof. M. E. El-Halawani.

1985. Marcia Larson Schmehl. B.S. '64, M.S. '70, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Studies on the Structural Properties and Chemistry of the Zona Radiata of Salmoniformes Fish Ova.
Major Adviser: Prof. E. F. Graham.

1986. Steven Paul Anderson. B.S. '71, St. Cloud State College.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Factors Influencing the Freezing of Ram Semem.
Major Adviser: Prof. E. F. Graham.

1986. Alan Wallace Erdahl. B.S. with distinction '78, M.S. '84, University of Minnesota.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Factors Affecting Storage and Fertilization of Fish Gametes.
Major Adviser: Prof. E. F. Graham.

1986. Mark Stephen Kosco. B.S.Ag. '78, University of Delaware; M.S. '80, Mississippi State University.
Major: Animal Physiology. Minor: Supporting Program. Thesis: Influence of Neonatal Hemicastration on Testicular Development of the Prepubertal Boar.
Major Adviser: Prof. B. G. Crabo.

Animal Science

1976. Padma Kant Bhargava. B.S.'67, M.S.'69, Panjab University.
Major: Animal Science. Minor: Veterinary Physiology. Thesis: Methionine Hydroxy Analog in Diets for Dairy Cattle.
Major Adviser: Prof. J. D. Donker.

1977. Placido F. Alcantara. M.S.'70, University of the Philippines.
Major: Animal Science. Minor: Supporting Program. Thesis: A Study of Sodium Metabolism in the Pig.
Major Adviser: Prof. L. E. Hanson.

1977. Bruce Richard Behrends. B.S.'69, M.S.'71, University of Minnesota.
Major: Animal Science. Minor: Supporting Program. Thesis: Methionine and Cystine Requirements of Growing Turkeys.
Major Adviser: Prof. P. E. Waibel.

1978. Kimberly Ming-Tak Cheng. B.S.Ag.'69, Tennessee Technological University; M.S.'71, Southern Illinois University.
Major: Animal Science. Minor: Supporting Program. Thesis: A Comparison of Behavioral and Reproductive Traits in Wild and Game Farm Mallards.
Major Adviser: Prof. R. N. Shoffner.

1978. Terry Dean Etherton. B.S.'71, M.S.'74, University of Illinois.
Major: Animal Science. Minor: Nutrition. Thesis: The Effects of Age and Adipocyte Enlargement on Lipid Synthesis and Oxidative Metabolism in Adipose Tissue.
Major Adviser: Prof. C. E. Allen.

Animal Science

1978. John Anthony Foley. B.S.'71, M.S.'73, University of Minnesota.
Major: Animal Science. Minor: Supporting Program. Thesis: Effects of Method of Storage on Chemical Properties and Feeding Value of Bovine Colostrum.
Major Adviser: Prof. D. E. Otterby.
1978. Worapong Suriyajantratong. B.S.'68, Khon Kaen University; M.S.'72, University of Kentucky.
Major: Animal Science. Minor: Agronomy. Thesis: Effects of Maturity and Storage Methods on Availability of Fiber, Protein and Macro Minerals of Alfalfa.
Major Adviser: Prof. J. C. Meiske.
1978. Oktay Yazgan. Diploma '67, Ataturk University.
Major: Animal Science. Minor: Supporting Program. Thesis: Utilization of Nitrogen from Heat Damaged Forages.
Major Adviser: Prof. R. D. Goodrich.
1979. Robert Wesley Schwartz. B.S.'74, M.S.'75, University of Illinois.
Major: Animal Science. Minor: Supporting Program. Thesis: The Effect of Aging on the Protein and Amino Acid Nutriture of Mature Egg Producing Japanese Quail (Coturnix coturnix japonica).
Major Adviser: Prof. N. K. Allen.
1979. Gerald Raymond Steuernagel. B.S.'65, M.S.'68, University of Minnesota.
Major: Animal Science. Minor: Statistics. Thesis: A Method to Estimate Persistency of Milk Production in Dairy Cattle.
Major Adviser: Prof. C. W. Young.
1979. Winston Chung-Yuan Yu. B.S.'68, National Taiwan University; M.S.'71, Oklahoma State University.
Major: Animal Science. Minor: Statistics. Thesis: Spermatozoa Storage, Fertility and Infertility in the Chicken and Turkey.
Major Adviser: Prof. W. H. Burke.
1980. John James Bitgood. B.V.A.'61, University of Massachusetts; M.S.'75, University of Minnesota.
Major: Animal Science. Minor: Supporting Program. Thesis: Gametogenesis and Zygote Formation in Domestic Fowl (Gallus domesticus) with Chromosome Rearrangements.
Major Adviser: Prof. R. N. Shoffner.
1980. Ing-Chia Peng. B.S.'70, National Taiwan University; M.S.'75, University of Minnesota.
Major: Animal Science. Minor: Biochemistry. Thesis: Studies on the Protein-Protein Interactions Between Soybean 11S Protein and Myosin.
Major Adviser: Prof. C. E. Allen.
1980. Annalee Fay Sower. B.S. with distinction '75, M.S.'78, University of Minnesota.
Major: Animal Science. Minor: Supporting Program. Thesis: Isoleucine Requirement of the Weaned Pig as Related to the Level and Source of Dietary Crude Protein Equivalents.
Major Adviser: Prof. S. C. Cornelius.
1981. Dennis Paul Cooper. B.S. with distinction '68, M.S.'77, University of Minnesota.
Major: Animal Science. Minor: Animal Physiology. Thesis: Fermentation of Caged Layer Excreta for Use as a Feedstuff for Cattle.
Major Adviser: Prof. R. D. Goodrich.
1981. Govindaiah Devegowda. B.V.S.'68, University of Agricultural Sciences, Bangalore; M.V.S.'73, Agra University.
Major: Animal Science. Minor: Supporting Program. Thesis: Evaluation of Feedstuffs for True Metabolizable Energy and Bioavailable Amino Acids in Turkeys.
Major Adviser: Prof. P. E. Waibel.

Animal Science

1981. Merlin Dean Lindemann. B.S. with high distinction '77, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Development of Digestive Enzymes in the Piglet as Affected by Age and Diet.

Major Adviser: Prof. S.G. Cornelius.

1981. Douglas Evans Pamp. B.S.'73, with distinction, M.S.'77, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Influence of Initial Weight on Daily Gain, Influence of Carcass Weight on Carcass Traits and Use of Ratios to Remove Effects of Carcass Weight.

Major Adviser: Prof. R. D. Goodrich.

1981. Maureen Lee Storey. M.S.'79, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: The True Metabolizable Energy and the Factors Affecting the True Metabolizable Energy of Feedstuffs for Mature, Nonlaying, Female Embden Geese.

Major Adviser: Prof. N. K. Allen.

1981. Duane H. Theuninck. B.S. with high distinction '76, M.S.'78, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Effects of Additives on Stability and Energy Value of Alfalfa and Corn Silages.

Major Adviser: Prof. R. D. Goodrich.

1981. William Richey Thompson. B.S. cum laude '77, M.S.'79, Kansas State University.

Major: Animal Science. Minor: Supporting Program. Thesis: Influence of Body Composition on Winter Energy Requirements and Estimators of Body Composition for Beef Cows.

Major Adviser: Prof. J. C. Meiske.

1982. Yacouba Manjeli. Ing.Agronome '77, Universite de Yaounde, Ecole Nationale Supérieure Agronomique; M.S.'80, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Heterosis and Recombination Effects in Sheep.

Major Adviser: Prof. W. J. Boylan.

1982. Robert Michael McKay. B.S.'76, B.S.A.'78, M.S.'80, University of Manitoba.

Major: Animal Science. Minor: Statistics. Thesis: Heterosis and Reciprocal Differences in the Crosses of Three Breeds of Swine at Five Stages of Development.

Major Adviser: Prof. W. E. Rempel.

1983. Avinash R. Deshmukh. B.V.S. & A.H.'73, Mahatma Phule Krishi Vidyapeeth; M.V.S.'76, Konkan Krishi Vidyapeeth.

Major: Animal Science. Minor: Supporting Program. Thesis: Milk Protein: I. Fractionation Methodology. II. Factors Affecting Proteins in Milk.

Major Adviser: Prof. J. D. Donker.

1983. Robert Alan Lepley. B.S.'74, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Purification of a Heavy Molecular Weight Inhibitor of Calcium-Activated Neutral Protease From Porcine Skeletal Muscle.

Major Adviser: Prof. W. R. Dayton.

1983. Bill Lynn Miller. B.S. with high honors '77, University of Illinois.

Major: Animal Science. Minor: Biochemistry. Thesis: Diet Effects on B-Vitamin Production in Ruminants.

Major Adviser: Prof. J. C. Meiske.

Animal Science

1983. Richard John Norell. B.S. with distinction '76, M.S. '79, University of Minnesota.

Major: Animal Science. Minor: Agricultural Economics. Thesis: Dairy Cattle Sensitivity of Electrical Shocks as Determined with Behavioral Indices.

Major Adviser: Prof. R. D. Appleman.

1984. Suleiman Abukres Hermas. B.S. '74, University of Tripoli.

Major: Animal Science. Minor: Supporting Program. Thesis: Genetic Trends and Relationships of Production and Reproduction in Guernsey Dairy Cattle.

Major Adviser: Prof. C. W. Young.

1984. Richard Gordon Lundquist. B.S. with high distinction '77, B.S. with distinction '77, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Methionine and Methionine Hydroxy Analog for Lactating Dairy Cattle.

Major Adviser: Prof. D. E. Otterby.

1984. Krishna Agung Santosa. Ir. '72, Universitas Gadjah Mada; M.S. '77, University of the Philippines.

Major: Animal Science. Minor: Supporting Program. Thesis: Protein and Fiber Studies in Ruminant Animals.

Major Adviser: Prof. R. D. Goodrich.

1985. Jose Gerardo Abin Martin. Medico Veterinario Zootecnista '79, Universidad Nacional Autonoma de Mexico; M.S. '83, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Studies of the Capability of Young Pigs to Secrete Gastric Acid After Weaning.

Major Adviser: Prof. S. G. Cornelius.

1985. Krishan Singh Dangi. B.V.S. '77, M.S. '79, Haryana Agricultural University.

Major: Animal Science. Minor: Supporting Program. Thesis: Genetic Parameters in Sheep Populations of Diverse Origin.

Major Adviser: Prof. W. J. Boylan.

1985. Jack Ellwyn Garrett, Jr. B.S. '77, Colorado State University.

Major: Animal Science. Minor: Supporting Program. Thesis:

Determination of Ruminant Rates of Protein Degradation.

Major Adviser: Prof. R. D. Goodrich.

1985. Khemais Kraiem. B.S. '76, Institut National Agronomique de Tunis; M.S. '78, University of Minnesota.

Major: Animal Science. Minor: Supporting Program. Thesis: Protein and Fiber Utilization by Cattle Fed Alfalfa, Birdsfoot Trefoil or Sainfoin Preserved as Hay Silage.

Major Adviser: Prof. J. C. Meiske.

1985. Dale Alan Larson. B.S. '75, M.S. '77, University of Minnesota.

Major: Animal Science. Minor: Agronomy. Thesis: Energy Requirements of Beef Cows During Late Gestation and Early Lactation.

Major Adviser: Prof. R. D. Goodrich.

1985. Sally Lee Noll. B.S. '74, M.S. '78, University of Minnesota.

Major: Animal Science. Minor: Animal Physiology. Thesis: Effect of Different Environmental Temperatures on the Lysine Requirement of Growing Turkeys.

Major Adviser: Prof. P. E. Walbel.

1985. Gretchen Louise Thiele. B.A. '77, Luther College; M.S. '81, University of Minnesota.

Major: Animal Science. Minor: Genetics, Statistics. Thesis: A Multivariate Analysis of Carcass Traits From Three Breeds of Swine and Their Crosses.

Major Adviser: Prof. W. E. Rempel.

Animal Science

1985. Curtis Ray Youngs. B.S. with distinction '81, University of Minnesota.
Major: Animal Science. Minor: Statistics. Thesis: Genetic Variation in Ovulation Rate, Litter Size, and Embryonic Loss in Sheep.
Major Adviser: Prof. W. J. Boylan.

1986. Stephen Richard Burghardi. B.S. '74, M.S. '79, University of Minnesota.
Major: Animal Science. Minor: Supporting Program. Thesis: Influence of Dietary Calcium Levels on Feedlot Performance and Digestion in Ruminants.
Major Adviser: Prof. R. D. Goodrich.

Biology

1977. Mary Ellen Bland. B.A. '63, Macalester College; M.S. '67, University of Minnesota.
Major: Biology. Minor: Supporting Program. Thesis: Daily and Seasonal Activity Patterns in the Eastern Grey Squirrel.
Major Adviser: Prof. J. R. Tester.

1978. Daniel Mark Benson. B.A. '71, University of Minnesota, Morris.
Major: Biology. Minor: Supporting Program. Thesis: Characterization of the Plasma Membrane Proteins and Glycoprotein of the SL Mutant of Neurospora Crassa.
Major Adviser: Prof. V. W. Woodward.

1978. Randall Forster Howard. B.A. cum laude '73, Vanderbilt University.
Major: Biology. Minor: Supporting Program. Thesis: Cell Cycle-Dependence of Adenylate Cyclase Specific Activity in C_6 Cells.
Major Adviser: Prof. J. R. Sheppard.

1978. Thomas Harvey Hudson. B.S. '67, Pennsylvania State University; M.S. '70, University of Iowa.
Major: Biology. Minor: Supporting Program. Thesis: The Molecular Basis of Cellular Response to Hormones.
Major Adviser: Prof. J. R. Sheppard.

1978. James Ivan Mullins. B.A. '74, University of South Florida.
Major: Biology. Minor: Biochemistry. Thesis: Cryptic Satellite I of Drosophila virilis. A Possible Link in the Evolution of Satellite DNA in Drosophila.
Major Adviser: Prof. Martin Blumenfeld.

1979. Paul Cushwa Billings. A.B. '73, University of California, Berkeley; M.S. '77, University of Minnesota.
Major: Biology. Minor: Supporting Program. Thesis: Phosphorylated H1 Histones in Drosophila virilis.
Major Adviser: Prof. Martin Blumenfeld.

1979. Lawrence Sherman Ruben. A.B. '74, University of California, Berkeley.
Major: Biology. Minor: Biochemistry. Thesis: Studies on the Mechanism of Chloramphenicol-Induced Division Arrest in Tetrahymena pyriformis GL.
Major Adviser: Prof. A. B. Hooper.

1980. Michael McLaughlin Atkinson. B.S. '70, Loyola University of Los Angeles; M.S. '76, University of Minnesota.
Major: Biology. Minor: Supporting Program. Thesis: Melanoma Cell Adenylate Cyclase: Components Associated with Hormone Responsiveness.
Major Adviser: Prof. J. R. Sheppard.

1981. Karen Gail Rothberg. B.A. '74, State University of New York.
Major: Biology. Minor: Supporting Program. Thesis: Membrane Transformations in the Root Hairs of Raphanus Sativus var. Sparkler.
Major Adviser: Prof. W. P. Cunningham.

Botany

1976. Roberta Kay Taylor Lammers. B.S. with distinction '65, Iowa State University; M.S.'71, University of Minnesota.
Major: Botany. Minor: Ecology. Thesis: Plant and Insect Communities in a Minnesota Wetland.
Major Adviser: Prof. Eville Gorham.

1976. Robert Spencer Rogers. A.B. with honors '71, Rutgers University; M.S.'73, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: A Community Study of Forests Dominated by Eastern Hemlock (Tsuga canadensis) at the Northern Edge of Hemlock's Range.
Major Adviser: Prof. E. J. Cushing.

1977. Kathleen Erin Kromer Baker. B.A.'64, M.S.'67, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Ecology of the Blue-Green Alga Aphanizomenon.
Major Adviser: Prof. H. E. Wright.

1977. Sampun Campiranon. B.S. with honor '71, Kasetsart University; M.S.'75, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Alcohol Dehydrogenase Activity of Extracts Obtained from Seedlings of Zizania Aquatica L. "Wild Rice" and Other Species of Plants in Relation to Environmental Conditions and Stage of Development.
Major Adviser: Prof. W. L. Koukkari.

1978. Johnny Bland. B.S.'57, Xavier University; M.S.'65, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: A Comparison of Certain Aspects of Ontogeny in the Long and Short Shoots of McIntosh Apple During One Annual Growth Cycle.
Major Adviser: Prof. E. C. Abbe.

1978. Maura Ann Gage. B.S.'70, Towson State College; M.S.'74, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: A Study of Alkaline Phosphatase Activity, Algae and Bacteria in a Meromictic Lake.
Major Adviser: Prof. Eville Gorham.

1978. Paul Harold Glaser. A.B.'68, Rutgers University; M.S.'71, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Recent Macrofossil Spectra from the Interior of Alaska and Their Relation to the Late-Glacial Landscape in Minnesota.
Major Adviser: Prof. E. J. Cushing.

1978. Martin Cyril Goffinet. B.S.'70, University of Louisville; M.S.'72, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Comparative Ontogeny of Male and Female Flowers of Cucumis Sativus L.--Floral Inception to Anthesis.
Major Adviser: Prof. E. C. Abbe.

1978. Gregory Brant Lie. B.A.'69, St. Olaf College; M.S.'72, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Aspects of the Ecology and Physiology of Freshwater Macrophytes.
Major Adviser: Prof. Joseph Shapiro.

1978. Allen Van Seilheimer. B.S.'68, Wisconsin State University, Stevens Point; M.S.'71, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: An Ultrastructural Study of Dormant and Germinating Fern Spores.
Major Adviser: Prof. D. J. McLaughlin.

Botany

1978. Marshall David Sundberg. B.A.'71, Carleton College; M.S.'73, University of Minnesota.
Major: Botany. Minor: Horticulture. Thesis: Shoot and Flower Development in Cyclamen Persicum Mill. F-1 Rosemunde.
Major Adviser: Prof. E. C. Abbe.
1979. Susan Graham Hamilton Aiken. B.Sc.'59, Victoria University of Wellington; M.Sc.'62, University of Queensland; M.S.'76, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Species of Myriophyllum in North America.
Major Adviser: Prof. G. B. Ownbey.
1979. George Wesley Bolton. B.S.'72, M.S.'76, University of Minnesota.
Major: Botany. Minor: Biochemistry. Thesis: Phytochrome: Aspects of Its Protein and Photochemical Properties.
Major Adviser: Prof. D. C. Pratt.
1979. Walt W. Lilly. B.S. cum laude '75, Southwest Missouri State University.
Major: Botany. Minor: Supporting Program. Thesis: Regulation of Acid Phosphatase in Schizophyllum commune.
Major Adviser: Prof. I. D. Charvat.
1980. James Cooper Litts. B.S.'76, Oregon State University; M.S.'79, University of Minnesota.
Major: Botany. Minor: Biochemistry. Thesis: Phytochrome: A Purification and Partial Characterization.
Major Advisers: Profs. J. J. Jendrisak and D. C. Pratt.
1980. Kwon Sang Yoon. B.S.'63, M.S.'68, Seoul National University.
Major: Botany. Minor: Supporting Program. Thesis: Ultrastructural Studies on the Basidium and Basidiospore Formation of Boletus Rubinellis.
Major Adviser: Prof. D. J. McLaughlin.
1981. Veta Bonnewell. B.A.'71, Swarthmore College.
Major: Botany. Minor: Supporting Program. Thesis: Typha Productivity, Mineral Nutrition, and Seed Germination.
Major Adviser: Prof. W. L. Koukkari.
1981. Wibisono Soerodikoemo. Insinyur '60, Gadjah Mada University; M.S.'73, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Embryogenesis and Seed Development in Winged Bean (Psophocarpus tetragonolobus [L.] DC.).
Major Adviser: Prof. J. W. Hall.
1981. Gerald Allen Wheeler. B.S.'68, St. Cloud State University; M.S.'73, St. Cloud State University.
Major: Botany. Minor: Supporting Program. Thesis: A Study of the Genus Carex in Minnesota.
Major Adviser: Prof. G. B. Ownbey.
1982. Linda Louise Zurfluh. B.A.'77, Washington University; M.S.'80, University of Minnesota.
Major: Botany. Minor: Supporting Program. Thesis: Auxin-Induced Changes in the Population of Translatable Messenger RNA in Soybean Hypocotyl.
Major Adviser: Prof. T. J. Guilfoyle.

Cell and Developmental Biology

1981. Ginger Dawn Martin Dani. B.A.'73, Vanderbilt University.
Major: Cell and Developmental Biology. Minor: Supporting Program.
Thesis: Studies on Masking of Chromatin Acceptor Sites for the Avian Progesterone Receptor.
Major Adviser: Prof. T. C. Spelsberg.

Cell and Developmental Biology

1981. Ephraim Yuchuang Kam. B.S. summa cum laude '74, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: The Formation of Low Resistance Junctions Between Reaggregating Novikoff Hepatoma Cells.

Major Adviser: Prof. J. D. Sheridan.

1981. Bruce Edward Kari. B.S.'71, B.Chem.'77, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: An Analysis of Glycoproteins in the Developing Sea Urchin Embryo.

Major Adviser: Prof. R. G. Johnson.

1981. Terrence Andrew Shuster. B.A.'75, California State University, Northridge.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Purification and Characterization of a Protein Kinase from Chicken Oviduct.

Major Adviser: Prof. M. D. Rosenberg.

1982. Amrutha (Meriga) Kuraguntla. M.S.'70, Andhra University; M.S.'78, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Site-Specific Satellite DNA Polymorphism on Drosophila virilis Chromosomes.

Major Adviser: Prof. Martin Blumenfeld.

1982. Charles Patrick Rodi. B.A.'74, University of Missouri.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: DNA Torsional Constraint in Relationship to RNA Synthesis in Mammalian Cells.

Major Adviser: Prof. Walter Sauerbier.

1982. Margaret Jean Wheelock. B.S.'77, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Biochemistry. Thesis: Characterization and Intracellular Localization of Calcium-Activated Protease.

Major Advisers: Profs. J. E. Schollmeyer and R. G. Johnson.

1983. Clague Pitman Hodgson. B.S.'76, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: The Long Terminal Repeats and Associated Flanking Sequences of an Integrated Mouse UL30 Gene.

Major Adviser: Prof. M. J. Getz.

1983. Keith Richard Johnson. B.A. magna cum laude '70, B.S.'74, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Biochemistry. Thesis: Studies on the Phosphorylation and Heterogeneity of the Major Junctional Protein from Bovine Lens.

Major Adviser: Prof. R. G. Johnson.

1983. Daryl Fay Sas. B.A. '77, Dordt College.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Production and Characterization of Monoclonal Antibodies Toward Distinct Regions of the Major Lens Junction Protein MP26.

Major Adviser: Prof. R. C. Johnson.

1983. Mark Frederick Wiser. B.A. magna cum laude '78, Franklin College.

Major: Cell and Developmental Biology. Minor: Biochemistry. Thesis: Phosphoproteins and Protein Kinases Associated with Plasmodium berghei Infected Murine Erythrocytes.

Major Adviser: Prof. J. R. Sheppard.

1984. William David Benton. B.A. magna cum laude '73, St. Olaf College.

Major: Cell and Developmental Biology. Minor: Philosophy. Thesis:

Sequence Organization of the Ribosomal RNA Genes of ZEA MAY5.

Major Adviser: Prof. Irwin Rubenstein.

Cell and Developmental Biology

1984. Melchizedek Allison Wabuke-Bunoti. B.Ed. with second class honors '72, M.S.'80, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Cytolytic T Lymphocyte and Antibody Responses to Peptides of Influenza Virus Hemagglutinin.

Major Adviser: Prof. D. P. Fan.

1985. John Tomlin Moore. B.A. with distinction '81, University of Virginia.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Gene Expression in Guinea Pig Seminal Vesicle.

Major Adviser: Prof. T. C. Spelsburg.

1985. Robert Brock Petersen. B.S. magna cum laude '81, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Selection of Initiation Sites for Protein Synthesis on Rous Sarcoma Virus RNA.

Major Adviser: Prof. P. B. Hackett.

1986. Robert William Jackman. B.S. '74, University of Minnesota.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: Regenerating Endothelium in Vascular Organ Culture.

Major Adviser: Prof. J. D. Sheridan.

1986. Nora Sue Vig. A.B. with distinction '62, University of Michigan; M.A. '67, University of Chicago.

Major: Cell and Developmental Biology. Minor: Supporting Program.

Thesis: The Heat Shock Response of Neurospora Crassa: Protein Synthesis, Thermotolerance, and Accumulation of Specific RNAs.

Major Adviser: Prof. R. M. Brambl.

Ecology

1976. Oscar Theodore Kalin. B.A.'57, University of Minnesota; M.S.'65, University of North Dakota.

Major: Ecology. Minor: Supporting Program. Thesis: Distribution, Relative Abundance, and Species Richness of Small Mammals in Minnesota, with an Analysis of Some Structural Characteristics of Habitats as Factors Influencing Species Richness.

Major Adviser: Prof. R. C. Bright.

1976. Ronald Eugene Kirby. B.S.'69, Duke University; M.A.'73, Southern Illinois University.

Major: Ecology. Minor: Wildlife. Thesis: Fall Movements, Behavior and Habitat Use of Immature Waterfowl in North-Central Minnesota.

Major Adviser: Prof. J. R. Tester.

1976. Richard Paul Lampe. B.S.'69, Buena Vista College; M.A.'71, University of Kansas.

Major: Ecology. Minor: Supporting Program. Thesis: Aspects of the Predatory Strategy of the North American Badger, Taxidea taxus.

Major Adviser: Prof. E. C. Birney.

1976. Douglas Wayne Mock. B.S.'69, Cornell University; M.S.'72, University of Minnesota.

Major: Ecology. Minor: Supporting Program. Thesis: Social Behavior of the Great Blue Heron and Great Egret.

Major Adviser: Prof. D. F. McKinney.

1976. Jimmy Dale Winter. B.A.'68, M.S.'70, University of Minnesota.

Major: Ecology. Minor: Supporting Program. Thesis: Movements and Behavior of Largemouth Bass and Steelhead Determined by Radio Telemetry.

Major Adviser: Prof. D. B. Siniff.

Ecology

1977. Judith Ellen Baxter. A.B. with high distinction '64, University of Rochester; M.S.'68, University of Michigan.
Major: Ecology. Minor: Supporting Program. Thesis: The Effects of Population Density on Reproduction in the Aquatic Snail *Lymnaea stagnalis*, with Notes on Its Natural History.
Major Adviser: Prof. R. C. Bright.

1977. Scott Richard Derrickson. A.B.'70, Gettysburg College; M.S.'75, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Aspects of Social Behavior in Breeding Pintails (*Anas acuta*).
Major Adviser: Prof. J. R. Tester.

1977. Jeffrey William Lang. B.S.'67, University of Michigan; M.S.'71, University of North Dakota.
Major: Ecology. Minor: Supporting Program. Thesis: Factors Influencing the Temperature Regulation of Alligators.
Major Adviser: Prof. P. J. Regal.

1977. Michael Robert Lynch. B.S.'73, St. Bonaventure University.
Major: Ecology. Minor: Supporting Program. Thesis: Predation and Plankton Community Structure.
Major Adviser: Prof. Joseph Shapiro.

1977. Lynn Leroy Rogers. B.S. with high honor '68, Michigan State University; M.S.'70, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Movements and Social Relationships of Black Bears in Northeastern Minnesota.
Major Adviser: Prof. E. C. Birney.

1977. W. Herbert Senft, II. B.A. cum laude '72, Millersville State College.
Major: Ecology. Minor: Supporting Program. Thesis: Concentrations of Intracellular Nutrients and Rates of Photosynthesis in Algae.
Major Adviser: Prof. R. O. Megard.

1978. Hazel Marie Delcourt. B.A.'72, Albion College; M.S.'74, Louisiana State University.
Major: Ecology. Minor: Supporting Program. Thesis: Late Quaternary Vegetation History of the Eastern Highland Rim and Adjacent Cumberland Plateau of Tennessee.
Major Adviser: Prof. H. E. Wright.

1978. Douglas Paul DeMaster. B.A.'73, University of Wisconsin.
Major: Ecology. Minor: Statistics. Thesis: Estimation and Analysis of Factors That Control a Population of Weddell Seals (*Leptonychotes weddelli*) in McMurdo Sound, Antarctica.
Major Adviser: Prof. D. B. Siniff.

1978. William Allen Haber. B.S.'68, University of Wisconsin; M.S.'71, Universidad de Puerto Rico.
Major: Ecology. Minor: Supporting Program. Thesis: Evolutionary Ecology of Tropical Mimetic Butterflies (Lepidoptera: Ithomiinae).
Major Adviser: Prof. P. J. Regal.

1978. James Mitchell Haynes. B.A. cum laude '73, Carleton College; M.S.'75, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Movement and Habitat Studies of Chinook Salmon and White Sturgeon.
Major Adviser: Prof. D. B. Siniff.

1979. Steven Hugh Fritts. B.A.'70, M.S.'73, University of Arkansas.
Major: Ecology. Minor: Biology. Thesis: Dynamics, Movements, and Feeding Ecology of a Newly-Protected Wolf Population in Northwestern Minnesota.
Major Advisers: Profs. E. C. Birney and L. D. Mech.

Ecology

1979. Mark Roy Fuller. B.S.'68, Colorado State University; M.S.'71, Central Washington State College.
Major: Ecology. Minor: Wildlife. Thesis: Spatiotemporal Ecology of Four Sympatric Raptor Species.
Major Adviser: Prof. J. R. Tester.
1979. William Frank Porter. B.A. with high honors '73, University of Northern Iowa; M.S.'76, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: The Ecology and Behavior of the Wild Turkey (Meleagris gallopavo) in Southeastern Minnesota.
Major Adviser: Prof. D. B. Siniff.
1979. Patricia Caroline Swain. B.S.'70, Tufts University; M.S.'72, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: The Development of Some Bogs in Eastern Minnesota.
Major Adviser: Prof. E. J. Cushing.
1979. Jeannette Anne Thomas. B.S.'73, Western Illinois University.
Major: Ecology. Minor: Supporting Program. Thesis: Quantitative Analysis of the Vocal Repertoire of Weddell Seals (Leptonychotes weddelli) in McMurdo Sound, Antarctica.
Major Adviser: Prof. D. B. Siniff.
1980. Donna Jean Day Baird. B.A. magna cum laude '58, Macalester College.
Major: Ecology. Minor: Supporting Program. Thesis: Dispersal in the Meadow Voles, Microtus Pennsylvanicus.
Major Adviser: Prof. E. C. Birney.
1980. George Francis Barrowclough. B.S. magna cum laude '70, M.S.'72, Brown University.
Major: Ecology. Minor: Genetics. Thesis: Genetic Differentiation in the Dendroica coronata Complex.
Major Adviser: Prof. K. W. Corbin.
1980. Michael Scott Connolly. B.S.'70, Wisconsin State University, Oshkosh.
Major: Ecology. Minor: Supporting Program. Thesis: Biological Rhythms and Time Patterns in the Behavior, Ecology and Blood Pressure of Rodents.
Major Adviser: Prof. P. J. Regal.
1980. Gary Lee Nuechterlein. B.S. with high distinction '72, University of Minnesota; M.S.'75, Colorado State University.
Major: Ecology. Minor: Supporting Program. Thesis: Courtship Behavior of the Western Grebe.
Major Adviser: Prof. D. F. McKinney.
1980. Jane Martia Packard. B.A. with distinction '74, Swarthmore College.
Major: Ecology. Minor: Supporting Program. Thesis: Deferred Reproduction in Wolves (Canis lupus).
Major Adviser: Prof. L. D. Mech.
1980. Joseph M. Wunderle. B.S. with distinction '71, University of Maine; M.S.'76, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Breeding Ecology of the Bananaquit (Coereba flaveola) on Grenada.
Major Adviser: Prof. K. W. Corbin.
1981. Robert Arthur Askins. B.S. with distinction '70, University of Michigan.
Major: Ecology. Minor: Supporting Program. Thesis: Foraging Ecology of Temperate Zone and Tropical Woodpeckers.
Major Adviser: Prof. H. B. Tordoff.

Ecology

1981. John Luther Bengtson. B.A.'75, Carthage College.
Major: Ecology. Minor: Supporting Program. Thesis: Ecology of Manatees (*Trichechus manatus*) in the St. Johns River, Florida.
Major Adviser: Prof. D. B. Siniff.

1981. Cynthia Kay Bluhm. B.A.'73, Carleton College; M.S.'78, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: The Environmental Controls of Breeding in Captive Canvasback Ducks (*Aythya Valisineria*) at the Delta Waterfowl Research Station.
Major Adviser: Prof. R. E. Phillips.

1981. Francesca Jean Cuthbert. B.S.'68, University of Michigan; M.S.'74, Northern Illinois University.
Major: Ecology. Minor: Supporting Program. Thesis: Caspian Tern Colonies in the Great Lakes. Responses to an Unpredictable Environment.
Major Adviser: Prof. H. B. Tordoff.

1981. Bruce Rider Forsberg. B.S. with high honor '74, Michigan State University.
Major: Ecology. Minor: Supporting Program. Thesis: A General Theory of Phytoplankton Growth for Field Applications.
Major Adviser: Prof. Joseph Shapiro.

1981. Eric Christopher Grimm. B.S.'73, South Dakota State University; M.S.'75, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: An Ecological and Paleoeological Study of the Vegetation in the Big Woods of Minnesota.
Major Adviser: Prof. E. J. Cushing.

1981. Ray William Spear. A.B.'72, Hamilton College; M.A.'76, University of North Carolina at Chapel Hill.
Major: Ecology. Minor: Supporting Program. Thesis: The History of High Elevation Vegetation in the White Mountains of New Hampshire.
Major Adviser: Prof. M. B. Davis.

1982. Annamarie Beckel. B.A.'72, M.S.'74, Miami University.
Major: Ecology. Minor: Supporting Program. Thesis: Behavior of Free-Ranging and Captive River Otters in Northcentral Wisconsin.
Major Adviser: Prof. J. R. Tester.

1982. Neil Philip Bernstein. B.S. with high distinction '75, Colorado State University; M.S.'77, John Carroll University.
Major: Ecology. Minor: Supporting Program. Thesis: Activity Patterns, Energetics, and Parental Investment of the Antarctic Blue-Eyed Shag (*Phalacrocorax atriceps bransfieldensis*).
Major Adviser: Prof. D. F. Parmelee.

1982. Deborah Patricia Buitron. B.A. magna cum laude '74, Mount Holyoke College; M.S.'77, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Behavior of Black-Billed Magpies During the Breeding Season.
Major Adviser: Prof. D. F. McKinney.

1982. Owen Kent Davis. B.S.'71, College of Idaho; M.S.'75, Washington State University.
Major: Ecology. Minor: Supporting Program. Thesis: Vegetation Migration in Southern Idaho During the Late-Quaternary and Holocene.
Major Adviser: Prof. R. C. Bright.

1982. Louis Henry Kermott, III. B.S.'62, M.S.'71, University of North Dakota.
Major: Ecology. Minor: Supporting Program. Thesis: Breeding Behavior in the Sharp-Tailed Grouse.
Major Adviser: Prof. H. B. Tordoff.

Ecology

1982. Susan Janet Neil. A.B. cum laude '73, Occidental College; M.S.'76, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: The Agonistic Behavior of *Cichlasoma Meeki* (Pisces: Cichlidae): A Test of Game Theoretic Predictions.
Major Adviser: Prof. D. F. McKinney.
1982. Val Smith. B.A. with honors '73, University of Kansas; M.S.'76, Rutgers University.
Major: Ecology. Minor: Supporting Program. Thesis: The Nutrient and Light Dependence of Phytoplankton Productivity.
Major Adviser: Prof. Joseph Shapiro.
1982. Mitchell Kerry Taylor. B.S.'73, Kansas State University.
Major: Ecology. Minor: Supporting Program. Thesis: The Distribution and Abundance of Polar Bears (*Ursus maritimus*) in the Beaufort and Chukchi Seas.
Major Adviser: Prof. D. B. Siniff.
1982. Richard Trudo Williams. B.A. magna cum laude '73, University of New Hampshire; M.A.'78, Washington University.
Major: Ecology. Minor: Supporting Program. Thesis: Microbial Aspects of Carbon Cycling in Peatlands.
Major Adviser: Prof. R. L. Crawford.
1983. Jeffrey Thomas Burns. B.S.'73, University of Wisconsin; M.S.'79, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Mate-Switching in House Wrens.
Major Adviser: Prof. D. F. McKinney.
1983. Daniel Russell Engstrom. B.A. magna cum laude '71, University of Minnesota, Duluth; M.S.'75, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Chemical Stratigraphy of Lake Sediments as a Record of Environmental Change.
Major Adviser: Prof. H. E. Wright.
1983. David Russell Foster. B.A. magna cum laude '77, Connecticut College; M.S.'81, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Phytosociology, Fire History, and Vegetation Dynamics of the Boreal Forest of Southeastern Labrador.
Major Adviser: Prof. H. E. Wright.
1984. Mary Spencer Ford. B.A. with distinction '73, Swarthmore College; M.S.'76, Yale University.
Major: Ecology. Minor: Supporting Program. Thesis: The Influence of Lithology on Ecosystem Development in New England: A Comparative Paleoeological Study.
Major Adviser: Prof. Eville Gorham.
1984. Daryl Ralph Karns. B.S. with distinction '72, University of Wisconsin; M.A.'74, University of Kansas.
Major: Ecology. Minor: Supporting Program. Thesis: Toxic Bog Water in Northern Minnesota Peatlands: Ecological and Evolutionary Consequences for Breeding Amphibians.
Major Adviser: Prof. P. J. Regal.
1984. Pamela Jo Pietz. B.A. magna cum laude '73, Gustavus Adolphus College; M.A.'76, St. Cloud University.
Major: Ecology. Minor: Supporting Program. Thesis: Aspects of the Behavioral Ecology of Sympatric South Polar and Brown Skuas Near Palmer Station, Antarctica.
Major Adviser: Prof. D. F. Parmelee.

Ecology

1984. Christine Ann Ribic. B.S. with high distinction '76, Colorado State University; M.S. '83, University of Minnesota.
Major: Ecology. Minor: Statistics. Thesis: Growth of a Northern Elephant Seal (Mirounga Angustirostris) Colony.
Major Adviser: Prof. D. B. Siniff.
1984. Sallie P. Sheldon. B.A. '76, M.A. '77, State University of New York at Buffalo.
Major: Ecology. Minor: Supporting Program. Thesis: The Effects of Herbivory and Other Factors on Species Abundance and the Diversity of Freshwater Macrophyte Communities.
Major Adviser: Prof. P. A. Morrow.
1984. Edward B. Swain. B.A. cum laude '74, Carleton College.
Major: Ecology. Minor: Supporting Program. Thesis: The Paucity of Blue-Green Algae in Meromictic Brownie Lake: Iron Limitation or Heavy-Metal Toxicity?
Major Adviser: Prof. Joseph Shapiro.
1985. John Curtis Almendinger. B.A. magna cum laude '76, Ohio Wesleyan University.
Major: Ecology. Minor: Supporting Program. Thesis: The Late-Holocene Development of Jack Pine Forests on Outwash Plains, North-Central Minnesota.
Major Adviser: Prof. H. E. Wright.
1985. Michael George Anderson. B.S. with highest distinction '72, Colorado State University.
Major: Ecology. Minor: Supporting Program. Thesis: Social Behavior of Breeding Canvasbacks (Aythya Valisineria): Male and Female Strategies of Reproduction.
Major Adviser: Prof. D. F. McKinney.
1985. Sherilyn Claire Fritz. B.A. cum laude with distinction '74, Macalester College; M.S. '79, Kent State University.
Major: Ecology. Minor: Supporting Program. Thesis: Lake Ontogeny and Land-Use History in Diss, Norfolk, England.
Major Adviser: Prof. H. E. Wright.
1985. David Andrew Hanych. B.S. '74, M.S. '77, M.S. '78, Cleveland State University.
Major: Ecology. Minor: Supporting Program. Thesis: Web Site Selection and Cold-Hardiness Physiology in the Spider, Frontinella pyramitela (Linyphiidae).
Major Adviser: Prof. W. D. Schmid.
1985. Mark John McKone. B.S.S. '76, Cornell College; M.S. '80, University of Minnesota.
Major: Ecology. Minor: Botany. Thesis: Gender in Hermaphrodites: Intraspecific Variation in Some Wind-Pollinated Plants and the Effect of Breeding System.
Major Adviser: Prof. E. J. Cushing.
1986. David Edward Blockstein. B.S. '78, University of Wisconsin; M.S. '82, University of Minnesota.
Major: Ecology. Minor: Supporting Program. Thesis: Reproductive Behavior and Parental Investment of Mourning Doves (Zenaidura macroura).
Major Adviser: Prof. H. B. Tordoff.
1986. James Ward Testa. B.S. cum laude '75, University of Alaska, Fairbanks; M.S. '82, University of Minnesota.
Major: Ecology. Minor: Statistics. Thesis: Long Term Patterns in Life History Characteristics and Population Dynamics of Weddell Seals (Leptonychotes Weddellii) in McMurdo Sound, Antarctica.
Major Adviser: Prof. D. B. Siniff.

Entomology

1976. Thomas Charles Skalbeck. B.S.'55, Gustavus Adolphus College; M.S.'68, St. Mary's College.
Major: Entomology. Minor: Supporting Program. Thesis: The Distribution of Nitidulidae in Deciduous Forests of Minnesota.
Major Adviser: Prof. H. M. Kulman.
1977. Ronald Allen Hellenthal. B.A.'67, San Fernando Valley State College.
Major: Entomology. Minor: Supporting Program. Thesis: Considerations of Variability and Taxonomic Methodology in the Systematics of the Orthocladinae (Diptera: Chironomidae).
Major Adviser: Prof. E. F. Cook.
1977. Hak Ryul Kim. B.S.'65, M.S.'67, Korea University.
Major: Entomology. Minor: Supporting Program. Thesis: The Ventral Diaphragm and Ventral Nerve Cord of Adult Diptera.
Major Adviser: Prof. A. G. Richards.
1977. William Chris Scharf. B.S.'61, Wisconsin State College; M.S.'64, University of Minnesota.
Major: Entomology. Minor: Botany. Thesis: A Taxonomic Study of the Genus Amyrsidea (Mallophaga: Menoponidae).
Major Adviser: Prof. R. D. Price.
1979. Rafael E. Cancelado. Ingeniero Agronomo '66, Universidad Nacional de Colombia; M.S.'69, University of Missouri.
Major: Entomology. Minor: Plant Pathology. Thesis: Potato Insect Pest Management.
Major Adviser: Prof. E. B. Radcliffe.
1979. Philly Lin-Moo Peng. B.S.'65, National Taiwan University; M.S.'70, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Cultivation and Ultrastructure of Blastocrithidia Triatoma Cerisola et al., 1971.
Major Adviser: Prof. F. G. Wallace.
1979. Robert Mark Timm. B.S.'71, Kearney State College; M.S.'75, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: The Geomydoecus (Mallophaga: Trichodectidae) Parasitizing Pocket Gophers of the Geomys Complex (Rodentia: Geomyidae).
Major Adviser: Prof. R. D. Price.
1979. Walter Daniel Valovage. B.S.'72, Pennsylvania State University; M.S.'75, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Life Table of Bessa harveyi (Diptera: Tachinidae), a Parasite of the Yellowheaded Spruce Sawfly, Pikonema Alaskensis (Hymenoptera: Tenthredinidae).
Major Adviser: Prof. H. M. Kulman.
1979. Valerie Jo Fridrich Wright. B.A.'65, Gustavus Adolphus College; M.S.'73, University of Minnesota.
Major: Entomology. Minor: Plant Pathology. Thesis: Interactions of Stored Product Insects with Storage Fungi of the Genus Penicillium, with Emphasis on Secondary Metabolites.
Major Adviser: Prof. P. K. Harein.
1980. Luz Melinda Amaya. Ag.Eng.'69, Universidad del Tolima; M.S.'74, Universidad Nacional de Colombia.
Major: Entomology. Minor: Plant Pathology. Thesis: Alfalfa Ecosystem Studies.
Major Adviser: Prof. E. B. Radcliffe.
1980. Hyder Mohammad Khan. B.S.Ag.'69, Andhra Pradesh Agricultural University; M.S.'74, University of Illinois, Chicago Circle.
Major: Entomology. Minor: Biochemistry. Thesis: Avian Eggshell Thinning, DDT, DDE and the Role of Mitochondria.
Major Adviser: Prof. L. K. Cutkomp.

Entomology

1980. Kuen Roger Tsang. B.S.'73, M.S.'75, University of Minnesota.
Major: Entomology. Minor: Microbiology. Thesis: Regulation of Growth and Transmission of an Intracellular Symbiote by Its Host.
Major Adviser: Prof. M. A. Brooks-Wallace.

1981. Norman Thomas Baker. B.S.'65, M.S.'70, Michigan State University.
Major: Entomology. Minor: Supporting Program. Thesis: A Reexamination of the Morphology of the Honey Bee, Apis mellifera L.
Major Adviser: Prof. A. G. Richards.

1981. Robert John Bartelt. B.S.'71, University of Wisconsin; M.S.'77, University of Minnesota.
Major: Entomology. Minor: Statistics. Thesis: The Sex Pheromone of the Yellowheaded Spruce Sawfly, Pikonema Alaskensis.
Major Adviser: Prof. H. M. Kulman.

1981. Whitney Stuart Cranshaw. B.A.'76, Hampshire College; M.S.'79, University of Minnesota.
Major: Entomology. Minor: Plant Pathology and Horticulture. Thesis: Integrated Control of Insect Contaminants of Processed Peas.
Major Adviser: Prof. E. B. Radcliffe.

1981. Robert Lee Frommer. B.S.'68, M.S.'71, Brigham Young University.
Major: Entomology. Minor: Supporting Program. Thesis: Bacillus Thuringiensis Berliner Var. israelensis as a Potential Microbial Insecticide for Use in Black Fly (Simulium Sp.) Larval Control Programs.
Major Adviser: Prof. R. D. Price.

1981. Moon-Hong Lee. B.S.Ag.'67, M.S.Ag.'74, Seoul National University.
Major: Entomology. Minor: Supporting Program. Thesis: Identification, Crossability and Inheritance of Resistance to Green Peach Aphid in Potato (Solanum) Species.
Major Adviser: Prof. E. B. Radcliffe.

1981. Mark Alan Sugden. B.S. with distinction '75, M.S.'78, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Evaluation of Six Commercial Honey Bee (Apis mellifera L.) Stocks Used in Minnesota.
Major Adviser: Prof. Basil Furgala.

1982. Gary Robert Check. B.S.'72, M.Ed.'74, Edinboro State College; M.S.'79, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: A Revision of the North American Species of Callibaetis (Ephemeroptera: Baetidae).
Major Adviser: Prof. E. F. Cook.

1982. Gerrit William Cuperus. B.A. with distinction, University of Minnesota, Morris; M.S.'81, University of Minnesota.
Major: Entomology. Minor: Agronomy; Plant Pathology. Thesis: Establishment of Economic Thresholds for Pea Aphid and Potato Leafhopper on Alfalfa.
Major Adviser: Prof. E. B. Radcliffe.

1983. Curtis C. Dary. B.S. with honors '72, University of Wisconsin, La Crosse; M.S.'67, University of Arizona.
Major: Entomology. Minor: Supporting Program. Thesis: Physicochemical Structure Activity Relationship of DDT Congeners and the Inhibition of Mitochondrial ATPase.
Major Adviser: Prof. L. K. Cutkomp.

1983. Naeem Mohamed Eesa. B.S.'72, M.S.'75, Cairo University.
Major: Entomology. Minor: Supporting Program. Thesis: The Correlation Between Circadian Rhythms of Sensitivity to Dichlorvos and Activity in the American Cockroach, Periplanet americana L.
Major Adviser: Prof. L. K. Cutkomp.

Entomology

1983. Suey-Sheng Kao. B.S.'69, M.S.'73, National Taiwan University.
Major: Entomology. Minor: Statistics. Thesis: The Larger Black Flour Beetle, Cynaues angustus (LeConte); a Potential Economic Stored Grain Insect Pest in Minnesota.
Major Adviser: Prof. P. K. Harein.

1983. David E. Legg. B.S.'78, M.S.'80, University of Missouri.
Major: Entomology. Minor: Supporting Program. Thesis: Dispersion, Distribution, and Subsequent Infestations of the European Corn Borer, (Ostrinia nubilalis [Hubner]) Among Southern Minnesota Corn Fields.
Major Adviser: Prof. H. C. Chiang.

1983. Ali Hussain Mardan. B.S.'77, Mosul University.
Major: Entomology. Minor: Microbiology. Thesis: Integrated Microbial Control of Malathion Resistant Indianmeal Moths, Plodia interpunctella (Hubner) and Adverse Responses of Selected Vertebrates to Bacillus thuringiensis Berliner.
Major Adviser: Prof. P. K. Harein.

1983. Daniel Foster Palmer. B.S. with distinction '74, University of Maine; M.S.'80, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Embryonic Studies of the Western Corn Rootworm, Diabrotica virgifera LeConte: Developmental Patterns, Embryonic States, Viability and Diapause of Eggs of Different Specific Gravities.
Major Adviser: Prof. H. C. Chiang.

1984. Dominic Sixtus Tanwie Awahmukalah. B.S.'79, M.S.'81, University of Minnesota.
Major: Entomology. Minor: Microbiology. Thesis: The Role of Wolbachia pipientis Hertig in the Reproduction of the Mosquito, Culex pipiens pipiens Linnaeus (DipteraCulicidae).
Major Adviser: Prof. M. A. Brooks-Wallace.

1984. Richard Lee Johnston. B.S.'78, University of California, Berkeley; M.S.'81, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Determination of Economic Thresholds for Potato Leafhopper, Empoasca fabae (Harris) and Action Thresholds for Colorado Potato Beetle Leptinotarsa decemlineata (say) on Potato in Minnesota.
Major Adviser: Prof. E. B. Radcliffe.

1984. Bruce Warren Morse. B.S.Ag.'80, University of Delaware; M.S.'82, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: Towards Management of the Yellowheaded Spruce Sawfly in White Spruce Plantations.
Major Adviser: Prof. H. M. Kulman.

1984. Gordon Bernard Ward, Jr. B.S.'70, University of Maryland.
Major: Entomology. Minor: Biochemistry. Thesis: Influence of Symbiotic Bacteria on the Nitrogen Metabolism of the German Cockroach, Blattella germanica.
Major Adviser: Prof. M. A. Brooks-Wallace.

1985. John Arthur Haarstad. B.A. cum laude '68, Carleton College; M.S.'80, University of Minnesota.
Major: Entomology. Minor: Ecology. Thesis: Ecological Relationships Among Eight Species of Coexisting Burying Beetles (Coleoptera: Silphidae; Nicrophorus) in East-Central Minnesota.
Major Adviser: Prof. H. C. Chiang.

1985. Jan Jeffrey Jackson. B.S. '72, M.S. '73, South Dakota State University.
Major: Entomology. Minor: Supporting Program. Thesis: Parasitism of the Western Corn Rootworm with the Nematode, Steinernema feltiae.
Major Adviser: Prof. M. A. Brooks-Wallace.

Entomology

1985. Laila Eed Moursy. B.Sc. '72, Cairo University.
Major: Entomology. Minor: Supporting Program. Thesis: Effects of Gamma Radiation on Nymphal Development and Reproductive Capacity of the Large Milkweed Bug, *Oncopeltus Fasciatus* (Dallas), (Hemiptera - Lygaeidae).
Major Adviser: Prof. L. K. Cutkomp.

1986. David Edward Freund. B.S. '78, University of Wisconsin; M.S. '82, University of Minnesota.
Major: Entomology. Minor: Supporting Program. Thesis: The Effect of Four Pollination Treatments on Some Seed and Oil Yield Characteristics of Oilseed Sunflower.
Major Adviser: Prof. Basil Furgala.

1986. Michael Gene Pogue. B.A. '74, University of Colorado; M.S. '81, University of Wyoming.
Major: Entomology. Minor: Supporting Program. Thesis: A Generic Revision of the Cochylidae (Lepidoptera) of North America.
Major Adviser: Prof. W. E. Miller.

Fisheries

1978. Malcolm Bruce MacFarlane. B.A. '72, Macalester College.
Major: Fisheries. Minor: Supporting Program. Thesis: Some Effects of Silt on Benthic Macroinvertebrates in the Redwood River, Redwood County, Minnesota.
Major Adviser: Prof. T. F. Waters.

1978. Dennis Kenji Shiozawa. B.A. '72, Weber State College; M.S. '75, Brigham Young University.
Major: Fisheries. Minor: Supporting Program. Thesis: The Habitat Preferences, Seasonal Drift, and Abundance of Stream Microcrustacea.
Major Adviser: Prof. T. F. Waters.

1979. Charles Conrad Krueger. B.S. with distinction '74, University of Minnesota; M.S. '76, Iowa State University.
Major: Fisheries. Minor: Supporting Program. Thesis: Macroinvertebrate Production in Three Eastern Minnesota Streams.
Major Adviser: Prof. T. F. Waters.

1979. Paul Colburn Marsh. B.A. '71, M.S. '74, University of Connecticut.
Major: Fisheries. Minor: Supporting Program. Thesis: Effects of Silt and Turbidity from Agricultural Drainage on Benthic Invertebrates in Streams of Southwestern Minnesota.
Major Adviser: Prof. T. F. Waters.

1982. James Edward Luey. B.A. '72, Gustavus Adolphus College; M.S. '78, University of Minnesota.
Major: Fisheries. Minor: Statistics. Thesis: Population Dynamics of Rainbow Smelt (*Osmerus Mordax*) in Western Lake Superior.
Major Adviser: Prof. I. R. Adelman.

1985. Raymond Melvin Newman. B.S. magna cum laude '78, Slippery Rock State College; M.S. '82, University of Minnesota.
Major: Fisheries. Minor: Supporting Program. Thesis: Production Dynamics of Brown Trout in South Branch Creek, Minnesota.
Major Adviser: Prof. T. F. Waters.

Food Science

1976. John Thomas Bakel. B.A. cum laude '72, University of Evansville; M.S. '74, University of Minnesota.
Major: Food Science. Minor: Nutrition. Thesis: Potato Protein for Food Use: Isolation and Functional Properties.
Major Adviser: Prof. W. M. Breene.

Food Science

1976. Pau-tsung Hwang. B.S.'63, M.S.'73, National Taiwan University.
Major: Food Science. Minor: Supporting Program. Thesis: Creatine
Kinase in Relation to Porcine Stress Susceptibility.
Major Adviser: Prof. P. B. Addis.

1976. Ike Joon Jeon. B.Ag.'66, Kon-Kuk University; M.S.'73, University of
Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Identification
of Volatile Flavor Compounds and Variables Affecting the Development of
Off-Flavor in Ultra-High-Temperature Processed Sterile Milk.
Major Adviser: Prof. E. L. Thomas.

1976. Jon Ottar Ragnarsson. B.S. with honor '69, University of Edinburgh;
M.S.'71, Massachusetts Institute of Technology.
Major: Food Science. Minor: Supporting Program. Thesis: Accelerated
Temperature Shelf Life Testing of Antioxidants in Dehydrated and
Intermediate Moisture Systems.
Major Adviser: Prof. T. P. Labuza.

1976. Anne Elizabeth Sloan. B.S. with honors '73, Rutgers University.
Major: Food Science. Minor: Supporting Program. Thesis: Properties and
Effects of Humectants in Intermediate Moisture Food Systems.
Major Adviser: Prof. T. P. Labuza.

1977. Kalong Bhothipaksa. B.S.Pharm.'66, Mahidol University; M.S.'71,
University of Hawaii.
Major: Food Science. Minor: Supporting Program. Thesis: Osmotic
Improved Thermal Resistance in Dipicolinic Acidless Heat Sensitive Spores
of *Bacillus Cereus* Ht-8 Related to the Expanded Osmoregulatory Cortex
Concept.
Major Adviser: Prof. F. F. Busta.

1977. John Dimitrios Efstathiou. B.S.'72, Aristotelian University;
M.S.'74, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Plasmids in
Streptococcus Lactis: Isolation and Characterization of Their Functional
Properties.
Major Adviser: Prof. L. L. McKay.

1977. Charlotte Diane Harvey. B.S. highest honors '66, University of
California, Davis.
Major: Food Science. Minor: Biochemistry. Thesis: Process Cheese:
Relationship of Chemical and Physical Properties.
Major Adviser: Prof. Robert Jenness.

1977. Hong-Ming Soo. B.S.'70, National Chung-Hsing University; M.S.'74,
University of Minnesota.
Major: Food Science. Minor: Agricultural Engineering. Thesis: The
Effect of Processing and Compositional Parameters on the Rheology and
Textural Characteristics of Mechanically Fabricated Shrimp Shapes.
Major Advisers: Profs. H. A. Morris and E. H. Sander.

1978. Grant Curtis Busk, Jr. B.S.'71, Oregon State University.
Major: Food Science. Minor: Business Administration. Thesis: Water
Binding Properties of Macromolecular Systems.
Major Adviser: Prof. T. P. Labuza.

1978. Todd Robert Klaenhammer. B.S.'73, M.S.'75, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Isolation and
Rapid Characterization of Group N Streptococcal Plasmid DNA: Instability
of Lactose-Linked Plasmid DNA Molecules.
Major Adviser: Prof. L. L. McKay.

1978. Robert Yah-Huang Lee. B.S.'70, M.S.'73, National Taiwan University.
Major: Food Science. Minor: Supporting Program. Thesis: Influences of
Environmental Factors on Growth and Production of Enterotoxins by
Staphylococcus aureus.
Major Adviser: Prof. S. R. Tatini.

Food Science

1979. Lloyd Don Larsen. B.S.'69, M.S.'74, Brigham Young University.
Major: Food Science. Minor: Supporting Program. Thesis: Isolation and Examination of Plasmids in Streptococcus Cremoris.
Major Adviser: Prof. L. L. McKay.

1979. Jimbay Loh. B.S.'71, National Chung-Hsing University; M.S.'75, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Kinetics of the Thermal Fracturability Loss of Edible Plant Tissue and Microwave Sterilization as a Means to Improve the Fracturability Retention of Heat Processed Vegetables.
Major Adviser: Prof. W. M. Breene.

1979. John N. Sofos. B.S.'71, Aristoteleion University of Thessaloniki; M.S.'75, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Sodium Nitrite and Sorbic Acid Control of Clostridium botulinum Toxinogenesis in Emulsions Formulated with Various Meats and Soy Proteins.
Major Adviser: Prof. C. E. Allen.

1980. James Frederick Kamman. B.A.'73, M.Ag.'76, University of Minnesota.
Major: Food Science. Minor: Business Administration. Thesis: Kinetics of Thiamine and Riboflavin Loss in Pasta During Processing and Storage Under Steady-State and Unsteady-State Conditions of Temperature and Water Activity.
Major Adviser: Prof. T. P. Labuza.

1980. Gail M. Kempler. B.S.'75, University of Florida; M.S.'77, North Carolina State University.
Major: Food Science. Minor: Supporting Program. Thesis: The Role of Plasmid Deoxyribonucleic Acid in Streptococcus lactis subsp. diacetylactis.
Major Adviser: Prof. L. L. McKay.

1980. Miriam Louise Saltmarch. B.S.'74, University of Washington.
Major: Food Science. Minor: Mass Communication. Thesis: The Influence of Temperature, Water Activity, and Physico-Chemical State of Lactose on the Kinetics of the Maillard Reaction in Spray-Dried Sweet Whey Powders Stored Under Steady State and Non-Steady State Storage Conditions.
Major Adviser: Prof. T. P. Labuza.

1981. Jennifer Denise Cloke. B.S. with honors '76, University of Nottingham.
Major: Food Science. Minor: Supporting Program. Thesis: The Role of Monoglycerides in Cakes.
Major Adviser: Prof. E. A. Davis.

1981. Leonard Scott Donnelly. B.A.'74, St. Olaf College; M.S.'76, Iowa State University.
Major: Food Science. Minor: Supporting Program. Thesis: Heat Resistance, Alternative Enumeration Procedures, and Characterization of Germination of Desulfotomaculum Nigrificans Spores Found in Raw Ingredients of Soy Based Products.
Major Adviser: Prof. F. F. Busta.

1981. Dallas Gene Hoover. B.S.'73, Elizabethtown College; M.S.'77, University of Delaware.
Major: Food Science. Minor: Biochemistry. Thesis: Characterization of Staphylococci.
Major Adviser: Prof. S. R. Tatini.

1982. Peggy Diane Foegeding. B.S. cum laude '77, M.S.'79, University of Minnesota.
Major: Food Science. Minor: Biochemistry. Thesis: Hypochlorite Injury and Altered Germination of Clostridium botulinum Spores.
Major Adviser: Prof. F. F. Busta.

Food Science

1982. David Naveh. B.S. cum laude '77, M.S.'79, Israel Institute of Technology.
Major: Food Science. Minor: Supporting Program. Thesis: Analysis of Transient Conduction Heat Transfer in Thermal Processing of Foods Using the Finite Element Food.
Major Adviser: Prof. I. J. Pflug.

1982. Stephanie Suzanne Nielsen. B.S. with high distinction '76, University of Nebraska, Lincoln; M.S.'79, University of Minnesota.
Major: Food Science. Minor: Nutrition. Thesis: Degradation of the Major Storage Protein of Phaseolus vulgaris during germination: Role of Endogenous Proteases and Protease Inhibitors.
Major Adviser: Prof. I. E. Liener.

1983. Edward Allen Foegeding. B.S.'75, M.S.'78, University of Missouri.
Major: Food Science. Minor: Supporting Program. Thesis: Thermally Induced Gelation and Interactions of Myosin, Albumin and Fibrinogen.
Major Adviser: Prof. C. E. Allen.

1983. Ellen Marie Furuya. B.S.'79, Creighton University.
Major: Food Science. Minor: Chemistry. Thesis: An Evaluation of the Riboflavin Content in Enriched Pasta Products and of the Parameters Which Contribute to a Change in the Riboflavin Content.
Major Adviser: Prof. J. J. Warthesen.

1983. Katherine Marie Johnson. B.S.H.E.'75, University of Delaware; M.S.'77, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Effect of Initial Heat Treatment on the Expression of Temperature Sensitivity by Outgrowing Spores of Bacillus cereus at Elevated Germination and Growth Temperatures.
Major Adviser: Prof. F. F. Busta.

1983. Sheryl Marie Schellhaass. B.S.'75, University of Wisconsin, River Falls.
Major: Food Science. Minor: Supporting Program. Thesis: Characterization of Extracellular Slime Produced by Bacterial Starter Cultures Used in the Manufacture of Fermented Dairy Products.
Major Adviser: Prof. H. A. Morris.

1983. Carmencita Tjahjadi. Sardjana '71, University of Padjadjaran; M.Ag.Dev.'75, State University of Ghens.
Major: Food Science. Minor: Supporting Program. Thesis: Isolation and Characterization of Adzuki Bean (Vigna angularis) Protein and Starch.
Major Adviser: Prof. W. M. Breene.

1984. S. Anandaraman. M.S.'71, Mysore University.
Major: Food Science. Minor: Supporting Program. Thesis: Encapsulation, Analysis and Stability of Orange Peel Oil.
Major Adviser: Prof. G. A. Reineccius.

1984. Jiann-Yuh Chen. B.S.'76, National Chung-Hsing University; M.S.Agr.'78, National Taiwan University.
Major: Food Science. Minor: Supporting Program. Thesis: Loss of Volatiles During Extrusion of Foods.
Major Adviser: Prof. T. P. Labuza.

1984. Susan Kay Harlander. B.S. summa cum laude '71, Wisconsin State University at Eau Claire; M.S.'78, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Molecular Cloning of the Lactose-Metabolizing Genes from Streptococcus lactis.
Major Adviser: Prof. L. L. McKay.

1984. Robert Wayne Hutkins. B.S.'79, M.S.'80, University of Missouri.
Major: Food Science. Minor: Supporting Program. Thesis: Carbohydrate Metabolism in Streptococcus Thermophilus.
Major Adviser: Prof. H. A. Morris.

Food Science

1984. Jeffery K. Kondo. B.S.'79, Oregon State University.
Major: Food Science. Minor: Supporting Program. Thesis: Transformation and Gene Cloning in Streptococcus Lactis.
Major Adviser: Prof. L. L. McKay.

1984. Mary Kathryn Wagner. B.S.'78, Iowa State University.
Major: Food Science. Minor: Supporting Program. Thesis: Effect of Sodium Acid Pyrophosphate on Clostridium Botulinum Spore Germination, Outgrowth, Toxicity and Vegetative Cell Metabolism.
Major Adviser: Prof. F. F. Busta.

1985. William Ellis Bangs. B.S. '75, Lebanon Valley College; M.S. '80, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Development and Characterization of Wall Materials for Spray-Dried Flavorings Production.
Major Adviser: Prof. G. A. Reineccius.

1985. John Charles Blocher. B.A. cum laude '76, M.S.'78, University of Minnesota, Duluth.
Major: Food Science. Minor: Supporting Program. Thesis: Acid Inhibition of Spore Germination, Outgrowth and Growth of Clostridium Botulinum.
Major Adviser: Prof. F. F. Busta.

1985. Yen-Con Hung. B.E. '77, Taiwan Provincial College of Marine and Oceanic Technology; M.S. '82, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Pea Quality Change During Freezing and Storage.
Major Adviser: Prof. D. R. Thompson.

1985. Margaret Mary Leahy. B.S. with distinction '77, University of Missouri, Kansas City; M.S. '82, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: The Effects of pH, Types of Sugar and Amino Acid, and Water Activity on the Kinetics of the Formation of Alkyl Pyrazines.
Major Adviser: Prof. G. A. Reineccius.

1985. Mohamed Omar Mohamed. B.S. '75, Alfateh University; M.S. '80, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Effects of Soy Protein on Rennet-Induced Reconstituted Nonfat Dry Milk Coagulum Properties.
Major Adviser: Prof. H. A. Morris.

1985. Seok Won Park. B.Ag. '75, Kon-Kuk University; M.E.Food.E. '77, Yonsei University.
Major: Food Science. Minor: Supporting Program. Thesis: Quantification of Oxidized Cholesterol Derivatives in Foods by Liquid and Gas Chromatography.
Major Adviser: Prof. P. B. Addis.

1985. Hemant Sadashiv Thatte. M.S. '81, University of Mysore.
Major: Food Science. Minor: Supporting Program. Thesis: Erythrocyte Membrane Defects in Porcine Malignant Hyperthermia.
Major Adviser: Prof. P. B. Addis.

1986. Yueh-Ing Chang. B.S.Ag. '78, National Taiwan University; M.S. '82, University of Minnesota.
Major: Food Science. Minor: Supporting Program. Thesis: Resolution, Quantitation and Reaction of Chiral Flavor Compounds.
Major Adviser: Prof. G. A. Reineccius.

1986. Yeong Lae Ha. B.S.Ag. '73, M.S.Ag. '79, Gyeongsang National University.
Major: Food Science. Minor: Supporting Program. Thesis: Alpha-Tocopherol Oxidation Mediated by the Superoxide Anion (O_2^-).
Major Adviser: Prof. A. S. Csallany.

Forestry

- *1975. Achmad Sumitro. I.R. '62, University of Gajah Mada; M.S. '73, University of Minnesota.
Major: Forestry. Minor: Agricultural Economics. Thesis: Foreign Investment in the Forest Based Sector of Indonesia: Increasing its Contribution to Indonesian Development.
Major Adviser: Prof. R. A. Skok.
1976. Chung-Muh Chen. B.S.'64, Taiwan Provincial Chung-Hsing University; M.F.'70, Yale University.
Major: Forestry. Minor: Supporting Program. Thesis: Dynamics of an Even-Aged Stand-Structure, Mortality, Competition and Growth.
Major Advisers: Profs. D. W. Rose and A. C. Mace, Jr.
1976. Arthur Paul O'Hayre. B.S. with distinction '70, Colorado State University; M.S.'72, University of Arizona.
Major: Forestry. Minor: Public Affairs. Thesis: A Hydronic Analysis of Resource Management Alternatives: A Case Study of Itasca County.
Major Adviser: Prof. A. C. Mace, Jr.
1976. Donald Arthur Stumbo. B.S.'56, Michigan State College; M.S.'64, University of California, Berkeley.
Major: Forestry. Minor: Supporting Program. Thesis: An Exploration of a Quantitative Approach to Community Development Planning for the Forest Products Industry.
Major Adviser: Prof. R. A. Skok.
1976. Charles George Tauer. B.S.'69, M.S.'73, University of Minnesota.
Major: Forestry. Minor: Plant Breeding. Thesis: Natural Variation and Inheritance of Jack Pine Resistance to Sweetfern Rust.
Major Adviser: Prof. C. A. Mohn.
1976. Sadan Widarmana. Ir.'63, Bogor Agricultural University; M.F.'65, Pennsylvania State University.
Major: Forestry. Minor: Supporting Program. Thesis: A Comparison of Two Alternative Particleboard Processes for Potential Structural Applications in Indonesia.
Major Adviser: Prof. J. G. Haygreen.
1977. Joseph Emmett Hoffman, Jr. B.S.'66, M.S.'67, Colorado State University.
Major: Forestry. Minor: Supporting Program. Thesis: Socio-Economic Analysis of Facility-Resource Areas at Interstate and Willow River State Parks, Wisconsin.
Major Adviser: Prof. L. C. Merriam, Jr.
1977. Joseph Gerald Massey. B.A.'67, Ohio State University; M.S.'75, University of Minnesota.
Major: Forestry. Minor: Economics. Thesis: The Forestry Research Planning Process and the Use of Economic Analysis to Evaluate Timber Supply Related Research Projects.
Major Adviser: Prof. H. M. Gregersen.
1977. Roy Alan Mead. B.S.'73, Northern Arizona University; M.S.'75, Colorado State University.
Major: Forestry. Minor: Supporting Program. Thesis: LANDSAT Digital Data Application to Forest Vegetation and Land-Use Classification in Minnesota.
Major Adviser: Prof. M. P. Meyer.
1977. Lauri Ilmari Piiparinen. B.S.'67, Michigan College of Mining and Technology; M.S.'69, University of Minnesota.
Major: Forestry. Minor: Civil Engineering. Thesis: Influence of Initial Drying Conditions on the Dimensional Stability of Low Density Fiberboard.
Major Adviser: Prof. R. O. Gertjeansen.

Forestry

1978. Zahrial Coto. Dip.'69, Institut Pertanian Bogor; M.S.'75, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: The Effect of Temperature and Equilibrium Moisture Content Condition on the Creep Properties and Kiln Drying Behavior of Red Oak.
Major Adviser: Prof. R. W. Erickson.
1978. Patrice Armand Harou. Ing.Agr.'71, Catholic University of Louvain.
Major: Forestry. Minor: Supporting Program. Thesis: A Decision Framework for Implementation and Control of Forestry Projects.
Major Adviser: Prof. H. M. Gregersen.
1978. Michael Alois Loesch. B.S. with distinction '70, M.S.'74, University of Minnesota.
Major: Forestry. Minor: Sociology. Thesis: The Attitudes of Residents in Selected Minnesota Communities Toward Voyageurs National Park.
Major Adviser: Prof. L. C. Merriam, Jr.
1978. William Albert Patterson, III. B.S.'67, University of Maine; M.S.'69, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: The Effects of Past and Current Land Disturbances on Squaw Lake and Its Watershed.
Major Adviser: Prof. H. L. Hansen.
1979. Honorio Farinas Carino. B.S.'63, M.S.'74, University of the Philippines, Los Banos.
Major: Forestry. Minor: Operations Research. Thesis: Designing a Small-Log Sawmill System for Maximum Volume Productivity at Minimum Cost.
Major Adviser: Prof. J. G. Haygreen.
1979. R. Gnanaharan. B.Tech.'71, University of Madras; M.Eng.'73, Indian Institute of Science.
Major: Forestry. Minor: Supporting Program. Thesis: Effect of Grain Orientation on the Flexural Creep Behavior of Wood-Based Panel Products.
Major Adviser: Prof. J. G. Haygreen.
1979. Narciso Muldez Mindajao. B.S.'67, M.S.'72, University of the Philippines.
Major: Forestry. Minor: Supporting Program. Thesis: Smallholder Forestry and Rural Development: A Case Study of the Picop Project in Bislig, Surigao Del Sur, Philippines.
Major Adviser: Prof. H. M. Gregersen.
1979. Don E. Riemenschneider. B.S. with distinction '72, M.S.'77, University of Minnesota.
Major: Forestry. Minor: Plant Breeding. Thesis: Genetic Variation and Predicted Response to Selection for Height in a North-Central Minnesota Population of Jack Pine (*Pinus banksiana*, Lamb.)
Major Adviser: Prof. C. A. Mohn.
1980. Gary Edward Ballman. B.S.F.'76, Purdue University; M.S.'78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Operationalizing the Cross-Country Skiing Opportunity Spectrum Concept.
Major Adviser: Prof. L. C. Merriam, Jr.
1980. Samuel P. Agboinkhanmwan Okoro. B.Sc. with second class honours '69, University of Ibadan; M.S.'75, Michigan State University.
Major: Forestry. Minor: Supporting Program. Thesis: Influence of Natural Durability and Ammoniacal Copper Arsenite on the Decay Resistance of Paricleboards from Ghanaian Hardwoods.
Major Adviser: Prof. R. O. Gertjejansen.

Forestry

1980. John J. O'Laughlin, III. B.S.B.A.'71, University of Denver; M.S.'77, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Strategic Planning and Land-Use Decision Making by the New Diversified Entrants in the Wood-Based Industry.
Major Advisers: Profs. G. N. Brown and P. V. Ellefson.

1980. Lee F. Werth. B.S.'66, M.S.'72, University of Montana.
Major: Forestry. Minor: Supporting Program. Thesis: A Comparison of Remote Sensing Technique Applications to Wetland Vegetation Classification in Minnesota's 7-County Metropolitan Area.
Major Adviser: Prof. M. P. Meyer.

1981. Thomas Edward Burk. B.S. with distinction '76, Iowa State University; M.S.'78, University of Minnesota.
Major: Forestry. Minor: Statistics. Thesis: Crown Architecture of Intensively Cultured Populus: Analysis and Modeling.
Major Adviser: Prof. A. R. Ek.

1981. John Campbell Clausen. B.S. with distinction '71, M.S.'73, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Methods for Assessing the Quality of Runoff from Minnesota Peatlands.
Major Adviser: Prof. K. N. Brooks.

1981. Frederick Willis Cubbage. B.S.'74, Iowa State University; M.S.'78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Economies of Forest Tract Size in Southern Pine Harvesting.
Major Adviser: Prof. H. M. Gregersen.

1981. Howard Michael Hoganson. B.S.'77, University of Minnesota; M.S.'78, University of Washington.
Major: Forestry. Minor: Operations Research. Thesis: Timber Management Scheduling under Uncertainty: Two Alternative Approaches.
Major Adviser: Prof. D. W. Rose.

1981. Jung Oh Hyun. B.S.'70, Seoul National University.
Major: Forestry. Minor: Supporting Program. Thesis: Genetic Variation in a Minnesota Population of Black Spruce (Picea Mariana Mill. B.S.P.).
Major Adviser: Prof. C. A. Mohn.

1981. Dennis Leland Murphy. B.A.'71, Gustavus Adolphus College; M.A.'74, Mankato State University; M.S.'78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: A Decision Support System Approach to Timber Harvest Scheduling.
Major Adviser: Prof. D. W. Rose.

1981. Kurt N. Olson. B.S.'67, University of New Hampshire; M.S.'70, University of New Hampshire.
Major: Forestry. Minor: Supporting Program. Thesis: Assessment of Upper Mississippi River Floodplain Changes with Sequential Aerial Photography
Major Adviser: Prof. M. P. Meyer.

1981. Charles Thomas Scott. B.S. with distinction '76, Iowa State University; M.S.'77, University of Georgia.
Major: Forestry. Minor: Statistics. Thesis: Design of Optimal Two-Stage Multiresource Surveys.
Major Adviser: Prof. A. R. Ek.

1981. Pedro V. Sibál. B.S.'73, M.S.'77, University of the Philippines, Los Baños.
Major: Forestry. Minor: Supporting Program. Thesis: The Economic Potential for Increasing Sawlog Supply and Value Through a Log Merchandising System.
Major Adviser: Prof. J. L. Bowyer.

Forestry

1981. Alan Scott White. B.A.'73, Williams College; M.S.'76, University of Montana.
Major: Forestry. Minor: Supporting Program. Thesis: The Effects of Prescribed Burning, Soil, Land-Use History, and Topography on Plant-Species Composition at the Cedar Creek Natural History Area, Minnesota.
Major Adviser: Prof. H. L. Hansen.
1982. Melvin Baughman. B.S. with honor '70, M.S.'71, Michigan State University.
Major: Forestry. Minor: Supporting Program. Thesis: Minnesota County Land: Alternative Policies for Funding, Timber Sales, and Land Ownership.
Major Advisers: Profs. P. V. Ellefson and F. D. Irving.
1982. Robert Lawrence Govett. B.S.B. with distinction '74, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: The Potential For Increased Utilization of Spruce Budworm Threatened, Damaged, or Killed Blasam Fir in the Production of Dimension Lumber.
Major Adviser: Prof. J. L. Bowyer.
1982. Roger Bruce Harding. B.S. with distinction '75, Mississippi State University; M.S.'78, Texas A & M University.
Major: Forestry. Minor: Soil Science. Thesis: Site Quality Evaluation for White Spruce Plantations in Northern Minnesota.
Major Adviser: Prof. D. F. Grigal.
1982. Maurice Dean Knighton. B.S.'67, M.S.'69, Utah State University.
Major: Forestry. Minor: Soil Science. Thesis: Vegetation Dynamics in Wildlife Water-Impoundments of North Central Minnesota.
Major Adviser: Prof. D. F. Grigal.
1983. Toga M. Silitonga. M.S.'71, University of Wisconsin, Madison.
Major: Forestry. Minor: Supporting Program. Thesis: Moisture Transport Rate and Energy Consumption for Convective Drying of Fuelwood Chips.
Major Adviser: Prof. J. G. Haygreen.
1983. Eric Leon Smith. B.S.'72, M.S.'74, Iowa State University.
Major: Forestry. Minor: Operations Research. Thesis: Evaluating Development Opportunities for Minnesota Hardwoods.
Major Adviser: Prof. D. W. Rose.
1984. Murari Lal Agrawal. B.S. first class '66, Banaras Hindu University; M.S.'78, State University of New York.
Major: Forestry. Minor: Chemical Engineering. Thesis: Surface Diffusion in Monomolecular Films.
Major Adviser: Prof. R. D. Neuman.
1984. Norman Eugene Elwood. B.S.'69, Michigan State University; M.S.'78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Heuristic Development of Stand Treatment Priorities: An Alternative to Mathematical Programming.
Major Adviser: Prof. D. W. Rose.
1984. Sutjipto Achmad Hadikusumo. Ir.'70, Universitas Gadjah Mada; M.S.'80, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Stress Development in Acer Saccharum (Marsh) Lumber During Drying in Solar and Steam Heated Kilns.
Major Adviser: Prof. R. W. Erickson.
1984. Jeffrey Lawrence Marion. B.A.'79, Wittenberg University; M.S.'82, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Ecological Changes Resulting from Recreational Use: A Study of Backcountry Campsites in the Boundary Waters Canoe Area Wilderness, Minnesota.
Major Adviser: Prof. L. C. Merriam.

Forestry

1984. Robert Edward Merrill. B.S. with distinction '79, University of Maine at Orono; M.S.'81, University of Minnesota.
Major: Forestry. Minor: Plant Breeding. Thesis: Evaluation of Juvenile Height Growth in Inter- and Intra-Provenance Crosses of White Spruce (Picea Glauca [Moench] Voss.)
Major Adviser: Prof. C. A. Mohn.

1984. Hugh Gary Murchison. B.S.For.'68, University of New Brunswick; M.S.For.'70, University of Toronto.
Major: Forestry. Minor: Statistics. Thesis: Efficiency of Multi-Phase and Multi-Stage Sampling for Tree Heights in Forest Inventory.
Major Advisers: Profs. A. R. Ek and D. W. Rose.

1984. Anne Strees. B.A. with honors '76, University of Maryland.
Major: Forestry. Minor: Supporting Program. Thesis: Productivity Change in the U.S. Forest Industries.
Major Adviser: Prof. H. M. Gregersen.

1984. Patrick Joseph Weicherding. B.S.'72, M.S.'78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Socio-Psychological Determinants of Attitudes Toward Natural Resources.
Major Adviser: Prof. C. A. Mohn.

1984. Daniel Ross Williams. B.S.'78, University of Nevada; M.S.'80, Utah State University.
Major: Forestry. Minor: Supporting Program. Thesis: Cognitive Dimensions of Recreation Engagements: A Developmental Analysis of Recreation Participation.
Major Adviser: Prof. L. C. Merriam.

1985. Driss Benessalah. M.S. '76, International Institute for Aerial Survey and Earth Sciences; M.S. '81, University of Minnesota.
Major: Forestry. Minor: Statistics. Thesis: Forest Area Estimation Using Cluster Sampling in Single and Double Phase Sampling Designs.
Major Adviser: Prof. A. R. Ek.

1985. Kenneth William Farrish. B.S. '77, M.S.For. '81, Michigan Technological University.
Major: Forestry. Minor: Soil Science. Thesis: Decomposition in Northern Minnesota Peatlands.
Major Adviser: Prof. D. F. Grigal.

1985. Saeed Fereshtekhou. B.S. '78, University of Tehran; M.S. '82, University of Minnesota.
Major: Forestry. Minor: Mechanical Engineering. Thesis: Electron Microscopic Structure of Monolayers at the Air/Water Interface.
Major Adviser: Prof. R. D. Neuman.

1985. David Phillip Guertin. B.S. '77, Utah State University.
Major: Forestry. Minor: Supporting Program. Thesis: Modeling Streamflow Response from Minnesota Peatlands.
Major Adviser: Prof. K. N. Brooks.

1985. Cary Daniel McDonald. B.S.F.'79, Purdue University; M.S.'81, University of Tennessee.
Major: Forestry. Minor: Supporting Program. Thesis: Consideration As An Added Dimension to the Investigation of Recreational Conflict.
Major Adviser: Prof. T. B. Knopp.

1985. Jose Rente Nascimento. Engenheiro Florestal '78, Universidade Federal de Vicosa.
Major: Forestry. Minor: Supporting Program. Thesis: Brazilian Amazon Development and the Forest-Based Sector.
Major Adviser: Prof. H. M. Gregersen.

Forestry

1985. Stephen Lyle Quarles. B.S. '76, Virginia Polytechnic Institute and State University; M.S. '78, University of Minnesota.
Major: Forestry. Minor: Supporting Program. Thesis: Mechanisms Involved in the Ceiling-Floor Partition Separation Phenomenon.
Major Adviser: Prof. R. W. Erickson.

1986. Edward Miller Bilek. B.B.A. '77, M.B.A. '80, University of Wisconsin.
Major: Forestry. Minor: Supporting Program. Thesis: An Evaluation of Equity and Non-Equity Organizational Arrangements Used by U.S. Wood-Based Firms in International Operations.
Major Adviser: Prof. P. V. Ellefson.

1986. Mhammed Tayaa. Diplome d'Ingenieur Agronome '77, Institut Agronomique et Veterinaire Hassan II.
Major: Forestry. Minor: Supporting Program. Thesis: Modeling Storm Induced Erosion and Sedimentation in Northern Morocco.
Major Adviser: Prof. K. N. Brooks.

Genetics

1976. Karen Dee Ann Kurvink. B.A. cum laude '63, Augustana College; M.S. '65, Northwestern University.
Major: Genetics. Minor: Supporting Program. Thesis: Sister Chromatid Differential (SCD) Staining and Sister Chromatid Exchange (SCE) in Human Cells.
Major Advisers: Profs. Jaroslav Cervenka and R. L. Phillips.

1976. Cathy Colleen Laurie. B.S. summa cum laude '71, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: The Pattern of Genetic Variation in Some Laboratory Populations of Drosophila Melanogaster.
Major Adviser: Prof. D. J. Merrell.

1977. Lynn Diane Steger Hudson. B.S. '73, University of Wisconsin.
Major: Genetics. Minor: Supporting Program. Thesis: Studies in Enzyme Therapy: Evaluation of Enzyme Delivery Strategies in Mammalian Systems.
Major Adviser: Prof. R. J. Desnick.

1977. Douglas L. Johnson. B.S. with honor '70, Ohio University.
Major: Genetics. Minor: Supporting Program. Thesis: Studies of Fabry's Disease: Enzymatic Diagnosis and Molecular Pathology.
Major Advisers: Profs. R. J. Desnick and S. C. Reed.

1977. John Wallace Orf. B.S. cum laude '72, University of Wisconsin, Eau Claire.
Major: Genetics. Minor: Biochemistry. Thesis: The Packaging of Satellite DNA Sequences with Histones in Chromatin of Drosophila virilis.
Major Advisers: Profs. L. A. Snyder and Martin Blumenfeld.

1977. Chester B. Whitley. B.A. '72, Carleton College.
Major: Genetics. Minor: Supporting Program. Thesis: Studies of Heritabel and Induced Lysosomopathies.
Major Adviser: Prof. R. J. Desnick.

1978. Patrick John Buescher. B.S. with distinction '72, Purdue University.
Major: Genetics. Minor: Supporting Program. Thesis: Role of Ribosomal Genes in RNA Levels and Nucleolar Formation in Zea mays L.
Major Advisers: Profs. R. L. Phillips and R. M. Brambl.

1978. James Ernest Changus. B.S. '65, University of Notre Dame.
Major: Genetics. Minor: Biochemistry. Thesis: Studies on the Biochemical Pathology of Cystic Fibrosis.
Major Adviser: Prof. S. C. Reed.

Genetics

1978. Haimanti Dasgupta. B.S.'69, M.S.'71, University of Bombay.
Major: Genetics. Minor: Supporting Program. Thesis: Incorporation of Free Diaminopimelate in the Walls of *Bacillus Megaterium* 899.
Major Adviser: Prof. D. P. Fan.
1978. Nancy Naing-shu Wang. B.S.'66, National Taiwan University; M.S.'68, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: Induction of Chromosomal Structural and Numerical Changes in the Chicken (*Gallus Domesticus*).
Major Adviser: Prof. R. N. Shoffner.
1979. Nancy Gail Zahner Hartung. B.A. *summa cum laude* '70, Macalester College.
Major: Genetics. Minor: Statistics. Thesis: An Investigation of Non-Allelic Interactions in Long Term Selected Populations of *Tribolium castaneum*.
Major Adviser: Prof. F. D. Enfield.
1979. Douglas Keith Palmer. B.A.'72, University of Minnesota.
Major: Genetics. Minor: Biochemistry. Thesis: An Unusual Nucleosomal Protein from *Drosophila*.
Major Adviser: Prof. L. A. Snyder.
1980. Loren Dale Fast. B.A. with highest honors '75, Bethel College.
Major: Genetics. Minor: Supporting Program. Thesis: The Recognition of Antigens by Mouse Cytolytic T Lymphocytes.
Major Adviser: Prof. D. P. Fan.
1980. Philip Mark Meneely. B.S. *summa cum laude* '71, Geneva College.
Major: Genetics. Minor: Supporting Program. Thesis: Lethals, Steriles, and Deficiencies in a Region of the X Chromosome of *Caenorhabditis elegans*.
Major Adviser: Prof. R. K. Herman.
1981. David Andrew Talmage. B.S. with distinction '76, University of Virginia.
Major: Genetics. Minor: Supporting Program. Thesis: H1 Histone Phosphorylation in *Drosophila melanogaster*.
Major Adviser: Prof. Martin Blumenfeld.
1981. Patricia Marie Walsh. B.A.'76, University of Delaware.
Major: Genetics. Minor: Supporting Program. Thesis: Characterization of Conjugal Plasmid Transfer in *Streptococcus Lactis* ML3.
Major Adviser: Prof. L. L. McKay.
1982. Mauricio E. Camargo. Titulo de Biologo '72, Universidad de Antioquia; M.S.'79, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: High Resolution Analysis of DNA Replication in Human Chromosomes: Replication Map and Clinical Applications.
Major Adviser: Prof. Jaroslav Cervenka.
1982. Keith Karl Klein. B.S.'73, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: Studies in the Developmental Genetics of *Schizophyllum Commune*.
Major Adviser: Prof. V. W. Woodward.
1983. Joan Irena Barber. B.A. *cum laude* '77, University of Vermont.
Major: Genetics. Minor: Supporting Program. Thesis: Dopachrome Oxido-Reductase: A New Enzyme in the Pigment Pathway.
Major Adviser: Prof. R. A. King.
1983. Mary-Ann Bjornsti. B.S. *cum laude* '78, New York State University College at Cortland.
Major: Genetics. Minor: Supporting Program. Thesis: *In Vitro* DNA-gp3 Packaging in the *Bacillus subtilis* bacteriophage 029. Gene 16 Function in *Bacillus subtilis* bacteriophage 029 DNA Encapsidation.
Major Adviser: Prof. D. L. Anderson.

Genetics

1983. Barbara L. Haller. B.A.'75, Cornell University.
Major: Genetics. Minor: Supporting Program. Thesis: Genetic Analysis of the Thioredoxin and Glutathione Enzyme Systems in Escherichia coli.
Major Adviser: Prof. J. A. Fuchs.
1983. Richard E. Herman. B.A.'76, M.S.'80, University of Minnesota.
Major: Genetics. Minor: Biochemistry. Thesis: Competition of Bacteriophage T4 and Plasmid pR386: Role of T4 unf Gene.
Major Adviser: Prof. D. P. Snustad.
1984. John MacPherson Condie. B.S.'74, Northeast Missouri State University.
Major: Genetics. Minor: Supporting Program. Thesis: The Regulation of Histone Gene Expression in Drosophila melanogaster.
Major Adviser: Prof. Martin Blumenfeld.
1984. Leslie Leigh Domier. B.S. cum laude '78, University of North Dakota.
Major: Genetics. Minor: Supporting Program. Thesis: Drosophila virilis Histone Genes.
Major Adviser: Prof. Martin Blumenfeld.
1984. Jonathan Lee Haines. A.B.'79, Colby College.
Major: Genetics. Minor: Supporting Program. Thesis: The Genetics of Epilepsy: Studies of Human Plasma Amino Acids, Metal Ions, Haptoglobin, and Taurine Excretion.
Major Adviser: Prof. V. E. Anderson.
1984. Brenda Gale Hunter. B.A. with highest honor '77, Hamline University.
Major: Genetics. Minor: Supporting Program. Thesis: Examination of the Heterogeneity Among Maize rDNA Repeats and Preliminary Analysis of the Transcription of the rDNA.
Major Adviser: Prof. Irwin Rubenstein.
1984. Ruth Marie Shuman. B.S. with distinction '76, M.S.'81, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: The Avian Retrovirus as a Potential Vector for Gene Transfer in the Chicken.
Major Adviser: Prof. R. N. Shoffner.
1984. Gregory Alfred Viglianti. B.A. cum laude '78, Lafayette College.
Major: Genetics. Minor: Supporting Program. Thesis: Satellite DNA Associated Chromosomal Proteins in Drosophila virilis.
Major Adviser: Prof. Martin Blumenfeld.
1985. Farhad Xerxes Anklesaria. B.S. magna cum laude '77, College of Charleston; M.S. '80, University of Minnesota.
Major: Genetics. Minor: Supporting Program. Thesis: A Computer Simulation Analysis of Multiple Peak Epistasis and Population Structure in Selection Programs.
Major Adviser: Prof. F. D. Enfield.
1985. Mary Cecelia Ritz George. B.A. cum laude '74, DePauw University.
Major: Genetics. Minor: Supporting Program. Thesis: Genetic Determinants of Behavioral and Biochemical Responses to Ethanol.
Major Adviser: Prof. J. W. Eaton.

Home Economics

1976. Linda Gail Stevenson Budd. B.A.'71, North Carolina State University; M.A.'73, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Problems, Disclosure, and Commitment of Cohabiting and Married Couples.
Major Adviser: Prof. R. N. Hey.

Home Economics

1976. Dorothy Anne Ettl. B.S.'64, University of California; M.S.H.E.'69, Texas Technical College.

Major: Home Economics. Minor: Supporting Program. Thesis: Relationships of Selected Individual and Family Characteristics to the Wardrobe Inventories of Children in AFDC Families in Hennepin County.
Major Advisers: Profs. M. P. Grindereng and R. R. Ford.

1976. Kyung Ja Chung Lee. B.A.'66, Ewha Women's University; M.S.'68, Oklahoma State University.

Major: Home Economics. Minor: Supporting Program. Thesis: A Study of Space Use for Family Activities in Modern Single and Multiple Dwelling Units and Traditional Single Dwellings in Seoul, Korea.
Major Adviser: Prof. G. A. Esteros.

1976. Gail Beaton Peterson. B.A. cum laude '70, Augsburg College; M.A.'74, University of Minnesota.

Major: Home Economics. Minor: Supporting Program. Thesis: Parental Developmental Level and Family Power, Support and Integration as Related to Children's Developmental Levels.
Major Adviser: Prof. R. N. Hey.

1977. Martha E. Cleveland. B.A. cum laude '72, M.A.'74, University of Minnesota.

Major: Home Economics. Minor: Supporting Program. Thesis: Family Adaptability to the Permanent Disablement of a Son or Daughter.
Major Adviser: Prof. P. C. Rosenblatt.

1977. Loretta Kay Greenleaf. B.S.'65, M.A.'72, University of Minnesota.

Major: Home Economics. Minor: Supporting Program. Thesis: Factors Affecting Marital Interaction.
Major Adviser: Prof. R. N. Hey.

1977. Sally Ann Shadel Hasselbrack. B.A. with honors '57, Emmanuel Missionary College; M.S.'62, University of Wisconsin.

Major: Home Economics. Minor: Supporting Program. Thesis: In Vitro Mannequin Simulation of In Vivo Clothing Fire Accidents.
Major Adviser: Prof. R. F. Johnson.

1977. Robert Archer Phillips, Jr. B.A.'64, Ottawa University; M.Theo.'70, Colgate Rochester Divinity School.

Major: Home Economics. Minor: Supporting Program. Thesis: Assertion Training for Men: Impact on Selected Interpersonal Behaviors, Self-Description, and Concepts of Gender Role.
Major Adviser: Prof. R. N. Hey.

1977. Gail Ann Theon. B.A. cum laude '71, M.A.'72, University of Minnesota.

Major: Home Economics. Minor: Supporting Program. Thesis: Commitment among Voluntary Childfree Couples to Variant Life Style.
Major Adviser: Prof. D. H. Olson.

1977. Mary Taylor Warmbrod. B.S. with distinction '67, Pennsylvania State University; M.S.'69, Florida State University.

Major: Home Economics. Minor: Supporting Program. Thesis: Generating Alternatives in Problem Solving by Young Couples.
Major Adviser: Prof. R. N. Hey.

1978. Ruth L. Stumpe Brent. B.S. cum laude '72, University of Missouri; M.A.'74, University of Minnesota.

Major: Home Economics. Minor: Supporting Program. Thesis: The Use of Public Social Spaces by the Elderly.
Major Adviser: Prof. G. A. Esteros.

1978. Ruth Hathaway Jewson. B.S. with distinction '35, M.S.'71, University of Minnesota.

Major: Home Economics. Minor: Sociology. Thesis: After Retirement: An Exploratory Study of the Professional Woman.
Major Adviser: Prof. P. C. Rosenblatt.

Home Economics

1978. Anne Nevaldine. B.S.'70, State University of New York.
Major: Home Economics. Minor: Supporting Program. Thesis: Divorce:
The Leaver and the Left.
Major Adviser: Prof. P. C. Rosenblatt.
1978. Sandra Larsen Titus. B.S.'64, Wagner College; M.S.'70, University
of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Friends,
Comparison and Marriage Reality.
Major Adviser: Prof. P. C. Rosenblatt.
1979. Elaine Dagmar Hermanson Asp. B.S. with high distinction '49,
M.S.'51, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Analysis of
Food Decision-Making Strategies Used for Solving a Computer Based Menu
Planning Problem.
Major Adviser: Prof. Joan Gordon.
1979. Joan Marilyn Druckman. B.A. with high distinction '74, Pennsylvania
State University; M.A.'76, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Premarital
Relationships: Interaction Types and Processes.
Major Adviser: Prof. D. H. Olson.
1979. David Gerard Fournier. B.A.'73, University of Missouri, Kansas
City.
Major: Home Economics. Minor: Supporting Program. Thesis: Validation
of PREPARE: A Premarital Counseling Inventory.
Major Adviser: Prof. D. H. Olson.
1979. Sara Jean Kadolph. B.S.'72, Iowa State University; M.S.'73, Kansas
State University.
Major: Home Economics. Minor: Supporting Program. Thesis: A Study of
the Flammability of Women's Garment Assemblies Using an Instrumented
Mannequin and Strip Test Methods.
Major Adviser: Prof. R. F. Johnson.
1979. Herbert Herman Laube. B.A.'65, Wartburg College; M.Div.'69, United
Theological Seminary of the Twin Cities.
Major: Home Economics. Minor: Supporting Program. Thesis: Types of
Marital Relationships and Sexual Functioning.
Major Adviser: Prof. D. H. Olson.
1979. Rosalie Huisinga Norem. B.S.'69, M.S.'71, Iowa State University.
Major: Home Economics. Minor: Supporting Program. Thesis: Typologies
of Premarital Relationships.
Major Adviser: Prof. D. H. Olson.
1979. Robert Timothy Reimer. B.A.'72, Fresno State College; M.A.'75,
Fuller Theological Seminary.
Major: Home Economics. Minor: Supporting Program. Thesis: Effects of
Children on the Developmental Tasks of Middle Age.
Major Adviser: Prof. R. N. Hey.
1979. Mark Thomas Schaefer. A.B.'75, M.A.'77, University of Minnesota.
Major: Home Economics. Minor: Psychology. Thesis: Linking Premarital
and Marital Interaction Types and Dynamics: A Longitudinal Study of the
Transition to Marriage.
Major Adviser: Prof. D. H. Olson.
1980. Donna Marie Johnson Albrecht. B.S. with distinction '68, M.S.'69,
Stout State University.
Major: Home Economics. Minor: Supporting Program. Thesis: Perception
of Flammability Hazard of Clothing among Consumers.
Major Adviser: Prof. R. F. Johnson.

Home Economics

1980. Susan Jane Erkel. B.S.'71, M.S.'72, Mankato State College.
Major: Home Economics. Minor: Supporting Program. Thesis: Work is Work and Play is Play: Or is it: A Study of Safety Clothing Worn by Youth Working in Labor Intensive Programs Funded under the Youth Employment and Demonstration Projects Act of 1977.
Major Advisers: Profs. M. L. Baizerman and J. B. Eicher.

1980. Evelyn Miller Franklin. B.S. with distinction '49, M.A.'51, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Use of Housing Space by Families with Preschool Children--Their Needs as Future Design Criteria.
Major Adviser: Prof. G. A. Esteros.

1980. Marilyn Jean Mason. B.S. with distinction '72, University of Minnesota.
Major: Home Economics. Minor: Speech-Communication. Thesis: Relationship Enrichment: Evaluating the Effects of a Couples Wilderness Program.
Major Advisers: Profs. R. N. Hey and H. I. McCubbin.

1980. Marjorie Jean Thompson Norton. B.S. with honors '71, Cornell University.
Major: Home Economics. Minor: Agricultural Economics. Thesis: The Assessment of the Flammability Hazard and Its Relationship to Price for a Set of Women's Nightgowns.
Major Adviser: Prof. R. F. Johnson.

1981. Marcia Ann Tresslar Dietrich. B.S. with distinction '70, Purdue University.
Major: Home Economics. Minor: Supporting Program. Thesis: The Relationship of Social Participation to the Wardrobe Inventories of Selected AFDC Families.
Major Advisers: Profs. R.R. Ford and M. P. Grindereing.

1981. Cynthia S. Englund. B.A. cum laude '71, St. Olaf College; M.A.'74, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Importance of Children to Life Satisfaction During Retirement.
Major Adviser: Prof. R. N. Hey.

1981. Sally Maison. B.A.'62, University of California, Los Angeles; M.A.'75, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Factors Affecting the Relationship Between Sexual and Marital Satisfaction.
Major Adviser: Prof. Gerhard Neubeck.

1981. Margaret E. McCullough. B.S.'53, Kansas State College.
Major: Home Economics. Minor: Supporting Program. Thesis: Parent and Sibling Definition of Situation Regarding Transgenerational Shift in Care of a Handicapped Child.
Major Adviser: Prof. P. C. Rosenblatt.

1981. Joyce A. Portner. B.S. with high distinction '73, University of Minnesota.
Major: Home Economics. Minor: Social Work. Thesis: Parent/Adolescent Relationships: Interaction Types and the Circumplex Model.
Major Adviser: Prof. D. H. Olson.

1981. Linda Marie Welters. B.S.'71, College of St. Catherine; M.A.'73, Colorado State University.
Major: Home Economics. Minor: Supporting Program. Thesis: Analysis of Greek Chemises in American Collections.
Major Advisers: Profs. T. T. Blade and J. B. Eicher.

Home Economics

1982. Roxanne Marie Anderson. B.A. with distinction '73, M.A.'79, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Mothers and Daughters: Their Adult Relationship.
Major Adviser: Prof. P. C. Rosenblatt.
1982. Alletta Jervey Hudgens. B.A.'51, Mary Baldwin College; M.S.W.'56, Washington University.
Major: Home Economics. Minor: Supporting Program. Thesis: Toward a Theory of Human Energy in Couples.
Major Adviser: Prof. P. C. Rosenblatt.
1983. Richard Oakley Bell. B.A.'68, Macalester College.
Major: Home Economics. Minor: Supporting Program. Thesis: Parent-Adolescent Interaction in Runaway Families.
Major Adviser: Prof. D. H. Olson.
1983. David Jon Bredehoft. B.A.'73, M.Ed.'74, University of Oklahoma.
Major: Home Economics. Minor: Supporting Program. Thesis: Application of Systems Theory in the Evaluation of Parent Education Self-Esteem: A Family Affair.
Major Adviser: Prof. R. N. Hey.
1983. Cheryl Ann Buehler. B.S. with high scholarship award '76, Iowa State University; M.S.'80, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: The Divorce Transition and Family Functioning.
Major Adviser: Prof. M. J. Hogan.
1983. Jeanette M. Carter. B.A.'62, Rosemount College; M.S.'65, Purdue University.
Major: Home Economics. Minor: Museology. Thesis: Evaluation of Degradation in Museum Textiles Using Infrared Photography and Property Kinetics.
Major Adviser: Prof. Peter Brown.
1983. Steven Paul Geiger. B.A. cum laude '74, University of Minnesota; M.A.'79, College of St. Thomas.
Major: Home Economics. Minor: Business Administration. Thesis: Perceived Stressor Events and Life Changes of Spouses of Licensed Peace Officers.
Major Adviser: Prof. P. C. Rosenblatt.
1983. Patricia Ann Johnson. B.S.'71, University of Idaho; M.S.'73, Iowa State University.
Major: Home Economics. Minor: Supporting Program. Thesis: Two Types of Dating Relationships: Long Distance and Close Couples.
Major Adviser: Prof. P. C. Rosenblatt.
1983. Joan Marie Patterson. B.A.'74, M.A.'80, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Family Adaptation to Chronic Illness: The Case of Cystic Fibrosis.
Major Adviser: Prof. H. I. McCubbin.
1983. Elaine Lee Pedersen. B.A.'73, University of Washington; M.A.'75, Michigan State University.
Major: Home Economics. Minor: Anthropology. Thesis: Transportation, Clothing, and Housing Energy Conservation of Rural Families with Teenagers.
Major Advisers: Profs. J. B. Eicher and M. J. Hogan.
1983. Beatrice Ellen Robinson. B.A. magna cum laude '72, State University of New York at Binghamton; M.A.'79, University of Minnesota.
Major: Home Economics. Minor: Supporting Program. Thesis: Former Spouse Conflict: During Marriage, Divorce, and Postdivorce.
Major Adviser: Prof. M. J. Hogan.

Home Economics

1983. Carol J. Salusso. B.S.'75, Montana State University; M.S.'77, University of Minnesota.
Major: Home Economics. Minor: Statistics. Thesis: Adult Female Body Form Variation in Relation to Standard Sizing of Apparel.
Major Adviser: Prof. M. R. DeLong.
1983. Denise A. Skinner. B.S.'71, M.S.'73, University of Nebraska.
Major: Home Economics. Minor: Supporting Program. Thesis: Dual-Employed Families: Coping and Adaptation.
Major Adviser: Prof. H. I. McCubbin.
1983. Joel Sheldon Springer. B.A. cum laude '72, California State University, Long Beach; M.S.'74, Purdue University.
Major: Home Economics. Minor: Supporting Program. Thesis: Transition to Marriage: A Longitudinal Study of Cognitive and Behavioral Changes.
Major Adviser: Prof. D. H. Olson.
1984. Mary Catherine Daly. B.S.'71, Western Michigan University; M.A.'75, Michigan State University.
Major: Home Economics. Minor: Anthropology. Thesis: Kalabari Female Appearance and the Tradition of Irla.
Major Adviser: Prof. J. B. Eicher.
1984. Francesann Lee Heisey. B.A.'73, Pennsylvania State University.
Major: Home Economics. Minor: Museology. Thesis: A Quantitative Methodology for Generating Specifically Fitted Garment Patterns.
Major Advisers: Profs. R. F. Johnson and Peter Brown.
1984. Shawna Ellison Strobel. B.S.'50, University of Utah; M.S.'68, Brigham Young University.
Major: Home Economics. Minor: Supporting Program. Thesis: Humanized Effects of Labor Rooms on Expectant Mothers.
Major Advisers: Profs. M. J. Hogan and H. H. Alexander.
1985. Barbara Anderson Flannery. B.A. '76, M.S. honors '78, Iowa State University.
Major: Home Economics. Minor: Supporting Program. Thesis: Constraints and Housing Characteristics of Adult Households.
Major Advisers: Profs. M. J. Hogan and C. C. Cook.

Horticulture

1977. David Garth Holm. B.S.'72, M.S.'73, University of Idaho.
Major: Horticulture. Minor: Supporting Program. Thesis: The Relationship of Seasonal Changes in the Mineral Element Content of Potato Petioles to Tuber Yields and Its Use as a Selection Tool in Potato Breeding.
Major Adviser: Prof. R. E. Nylund.
1977. Bruce James Parlman. B.S.'70, University of New Hampshire; M.S.'73, University of Minnesota.
Major: Horticulture. Minor: Plant Breeding. Thesis: Production and Selection Parameters for Gamma Irradiation Induced Dwarf Plants.
Major Adviser: Prof. Cecil Stushnoff.
1978. Denis Roman Flaschenriem. B.S.'69, M.A.'74, Mankato State University.
Major: Horticulture. Minor: Plant Breeding. Thesis: Self-Incompatibility Studies of Petunia hybrida: Inheritance and Selection for Use in F₁ Hybrid Production.
Major Adviser: Prof. P. D. Ascher.
1978. Paiboolya Gavinlertvatana. B.S. with honors '72, Chiangmai University; M.S.'75, University of Minnesota.
Major: Horticulture. Minor: Plant Physiology. Thesis: Production and Manipulation of Ethylene in Tissue Culture.
Major Adviser: Prof. P. E. Read.

Horticulture

1978. Royal Dean Heins. B.S. with highest distinction '75, Colorado State University.

Major: Horticulture. Minor: Plant Physiology. Thesis: The Influence of Light on Developmental Growth of Shoots I. Chrysanthemum Morifolium Ramat. II. Alstroemeria L. III. Dianthus Caryophyllus L.

Major Adviser: Prof. H. F. Wilkins.

1978. John Chester Snyder. B.S.'71, Baldwin-Wallace College; M.S.'74, University of Minnesota.

Major: Horticulture. Minor: Genetics. Thesis: High and Low Protein Genotypes of Potato (Solanum Tuberosum L.): The Physiological Characteristics of Protein, Starch, and Non-Protein Nitrogen Accumulation and Rapid Methods for Quantitation of Protein and Starch.

Major Adviser: Prof. S. L. Desborough.

1979. Dennis Phalen Stimart. B.S.'71, M.S.'76, University of Minnesota.

Major: Horticulture. Minor: Supporting Program. Thesis: In vitro and Post- In vitro Environmental Effects on Lilium Bulb Physiology.

Major Adviser: Prof. P. D. Ascher.

1979. George Carlyle Whiting. B.S.'58, M.Ed.'61, Pennsylvania State University; M.S.'73, University of Minnesota.

Major: Horticulture. Minor: Plant Pathology. Thesis: Interspecific Compatibility Relationships in Six Rhododendron Species and One Hybrid.

Major Adviser: Prof. P. D. Ascher.

1980. Marikis Nolasco Alvarez. B.S.'75, M.S.'77, Tuskegee Institute.

Major: Horticulture. Minor: Supporting Program. Thesis: Effect of Interspecific Phaseolus Hybrids on Biological Nitrogen Fixation.

Major Adviser: Prof. P. D. Ascher.

1980. Terry Lee Gilbertson-Ferriss. B.S. with high distinction '75, Colorado State University; M.S.'77, University of Minnesota.

Major: Horticulture. Minor: Supporting Program. Thesis: Freesia hybrida Corm Development and Flowering in Relation to Temperature and Growth Regulator Substances.

Major Adviser: Prof. H. F. Wilkins.

1980. Margaret Elizabeth Litzow. B.A.'70, Lake Forest College; M.A.'74, University of Minnesota.

Major: Horticulture. Minor: Plant Breeding. Thesis: Genetic Breakdown of Incompatibility in Raphanus sativus.

Major Adviser: Prof. P. D. Ascher.

1980. John Earl Preece. B.S.'74, University of New Hampshire; M.S.'77, University of Minnesota.

Major: Horticulture. Minor: Supporting Program. Thesis: The Influence of Apical Dominance in Lycopersicon Esculentum Mill. Stock Plants on In Vitro Growth and Differentiation of Leaf Explants.

Major Adviser: Prof. P. E. Read.

1981. Craig Randall Andersen. B.A.'69, Augustana College; M.S.'77, University of Minnesota.

Major: Horticulture. Minor: Plant Physiology. Thesis: The Relation of Root and Shoot Produced Hormones to the Correlative Inhibition of Lateral Shoot Growth in Lycopersicon esculentum Mill.

Major Advisers: Profs. H. M. Pellett and M. L. Brenner.

1981. Stephen Lambert Grier. B.A.'70, College of Wooster; M.S.'77, University of Minnesota.

Major: Horticulture. Minor: Plant Breeding. Thesis: Investigation of Resistance to Ear Damage in Maize Caused by the Second Brood European Corn Borer.

Major Adviser: Prof. D. W. Davis.

Horticulture

1981. Rita L. Hummel. B.S.'75, South Dakota State University; M.S.'77, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Inheritance of the Photoperiodically Induced Cold Acclimation Response and Self-Incompatibility in Cornus Sericea L. (Cornus Stolonifera michx.), Red-Osier Dogwood.
Major Advisers: Profs. P. D. Ascher and H. M. Pellett.
1981. Robert Emmett Lyons. B.A.'76, Rutgers College; M.S.'79, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Roles of Gibberllin and Auxin in the Growth and Development of Cyclamen persicum Mill.
Major Adviser: Prof. R. E. Widmer.
1981. Neil Anthony McHale. B.A.'73, Merrimack College; M.S.'76, University of New Hampshire.
Major: Horticulture. Minor: Genetics. Thesis: Inheritance of Tuber Traits Via Normal and Unreduced Gametes in Phureja--Tuberosum Potato Hybrids.
Major Adviser: Prof. F. I. Lauer.
1981. Carol Dolores Robacker. B.S. with high distinction '75, Pennsylvania State University.
Major: Horticulture. Minor: Genetics. Thesis: Discriminating Styles in Pseudo-Self-Compatible (PSC) Nemesia Strumosa Benth.
Major Adviser: Prof. P. D. Ascher.
1981. Richard Ernest Veilleux. B.S.'70, Tufts University; M.S.'76, University of British Columbia.
Major: Horticulture. Minor: Genetics. Thesis: Utilization of Unreduced Gametes to Study the Breeding Behavior of Total Tuber Protein in Potatoes.
Major Adviser: Prof. F. I. Lauer.
1982. Michael Niven Dana. B.A.'73, University of Wisconsin; M.S.'78, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Studies on the Nature of Pseudo-Self Compatibility and the Self-Incompatibility Complex in Petunia Hybrida Hort.
Major Adviser: Prof. P. D. Ascher.
1982. Athanasios Economou. Diploma '72, Aristotelian University of Thessaloniki; M.S.'81, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Chemical and Physical Factors Influencing In Vitro Propagation of Hary Deciduous Azaleas (Rhododendron Spp.)
Major Adviser: Prof. P. E. Read.
1982. William Edward Healy. B.S.'77, M.S.'80, University of Minnesota.
Major: Horticulture. Minor: Plant Physiology. Thesis: Control of Lateral Branching and Flower Production of Dianthus Caryophyllus.
Major Adviser: Prof. H. F. Wilkins.
1982. Patricia Sue Holloway. B.A. cum laude '73, Millersville State College; M.S.'76, Washington State University.
Major: Horticulture. Minor: Supporting Program. Thesis: Studies on Vegetative and Reproductive Growth of Lingonberry, Vaccinium Vitis-Idaea L.
Major Adviser: Prof. Cecil Stushnoff.
1982. Emily Esther Hoover. B.S. with high honor '78, Michigan State University; M.S.'80, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Regulation of Fruit Set of Phaseolus Crosses by Pollen Source and Environment.
Major Adviser: Prof. M. L. Brenner.

Horticulture

1982. Mando Awwad Shehata. B.S.'59, M.S.'65, Cairo University; M.S.'75, University of Minnesota.
Major: Horticulture. Minor: Plant Pathology. Thesis: Breeding for Resistance to Aphanomyces Root Rot Rhizoctonia Stem Rot and the Interaction Between Stem/Root Rot Pathogens in Pisum Sativum.
Major Adviser: Prof. D. W. Davis.
1982. Loren C. Stephens. B.A.'71, University of Iowa; M.S.'74, University of Minnesota.
Major: Horticulture. Minor: Supporting Program. Thesis: Self Incompatibility Studies of Ageratum and Garden Chrysanthemum.
Major Adviser: Prof. P. D. Ascher.
1982. Mark Peter Widrechner. B.S. with high honors '77, Michigan State University; M.S.'80, University of Illinois, Urbana.
Major: Horticulture. Minor: Plant Breeding. Thesis: Studies on the Breeding Potential and Genetics of Hybrid Azalea, Rhododendron X Kosterianum Schneider X Rhododendron prinophyllum (small) Millais.
Major Adviser: Prof. H. M. Pellett.
1983. Carlos Doyle Fear. B.S.'75, Iowa State University; M.S.'78, University of Arkansas.
Major: Horticulture. Minor: Plant Breeding. Thesis: An Investigation of Off-Season Flowering in Lowbush and Half-High Highbreed Blueberries.
Major Adviser: Prof. F. I. Lauer.
1983. Charles Lanny Guy. B.A.'73, University of South Florida; M.S.'77, Florida Technological University.
Major: Horticulture. Minor: Supporting Program. Thesis: Changes in Glutathione Levels During Cold Acclimation and its Role in Freezing Tolerance.
Major Adviser: Prof. J. V. Carter.
1983. Richard Thomas Johnson. B.S. with distinction '76, Cornell University; M.S.'79, North Carolina State University.
Major: Horticulture. Minor: Plant Physiology. Thesis: Mineral Nutrition and Growth Regulator Effects on Rose Flower Morphology.
Major Adviser: Prof. R. E. Widmer.
1983. Richard Thomas Johnson. B.S. with distinction '76, Cornell University; M.S. '79, North Carolina State University.
Major: Horticulture. Minor: Plant Physiology. Thesis: Mineral Nutrition and Growth Regulator Effects on Rose Flower Morphology.
Major Adviser: Prof. R. E. Widmer.
1983. Dyremple B. Marsh. B.S.'76, M.S.'79, Tuskegee Institute.
Major: Horticulture. Minor: Plant Physiology. Thesis: Effects of Zinc Nutrition on the Nodulation and Nitrogen Fixation Processes of Cowpea (Vigna unguiculata L. WALP).
Major Adviser: Prof. Luther Waters.
1983. Harold Brent Pemberton. B.S. with honors '78, Texas Tech University.
Major: Horticulture. Minor: Plant Physiology. Thesis: A Study of Photoperiod, Endogenous Aba and Growth Dynamics in the Development of Evergreen Azalea Floral Buds.
Major Adviser: Prof. H. F. Wilkins.
1983. William Mason Randle. B.S.Agr.'76, University of Arizona; M.S.'79, Michigan State University.
Major: Horticulture. Minor: Supporting Program. Thesis: On the Genetic Control of Puccinia sorghi Schw. in Zea mays. L.
Major Adviser: Prof. D. W. Davis.

Horticulture

1983. Barbara A. Smit-Spinks. B.S. with highest honors '79, South Dakota State University.

Major: Horticulture. Minor: Plant Physiology. Thesis: Investigation of the Cold Hardiness of Pinus sylvestris L.

Major Advisers: Profs. B. T. Swanson and A. M. Markhart.

1983. A Winarno. Insinyur '70, Brawijaya University; M.S.'76, University of Birmingham.

Major: Horticulture. Minor: Supporting Program. Thesis: Relationship Between Second-Generation European Corn Borer Kernel Damage, Silk Channel Length, Husk Number, and the Degree of Sweetness in Maize.

Major Adviser: Prof. S. L. Desborough.

1984. Lurline Elaine Marsh. B.S.'76, University of West Indies; M.S.'79, Tuskegee Institute.

Major: Horticulture. Minor: Plant Breeding. Thesis: High Temperature Stress Studies in Phaseolus.

Major Adviser: Prof. D. W. Davis.

1985. Mark Alan Bennett. B.A. '77, St. Olaf College; M.S. '82, University of Minnesota.

Major: Horticulture. Minor: Supporting Program. Thesis: Improving Sweet Corn Germination and Seedling Growth at Low Temperatures with Seed Hydration Treatments.

Major Adviser: Prof. Luther Waters, Jr.

1985. Ann Fennell. B.S. '79, Iowa State University of Science and Technology; M.S. '82 University of Minnesota.

Major: Horticulture. Minor: Plant Physiology. Thesis: Cold Acclimation and Water Relations of Spinacia Oleracea L.

Major Adviser: Prof. P. H. Li.

1985. Robert Louis Geneve. B.S. '76, University of Maryland; M.S. '78, Pennsylvania State University.

Major: Horticulture. Minor: Plant Physiology. Thesis: The Role of Ethylene in Adventitious Root Initiation in De-Bladed Petioles of the Juvenile and Mature Phase of Hedera Helix L.

Major Advisers: Profs. W. P. Hackett and B. T. Swanson.

1985. Kevin Lorenz Grueber. B.S. '79, Michigan State University.

Major: Horticulture. Minor: Plant Physiology. Thesis: Control of Lateral Branching and Reproductive Development in Euphorbia Pulcherrima Willd. Ex Klotzch.

Major Adviser: Prof. H. F. Wilkins.

1985. Mahmoud Abd Kasrawi. B.Sc.Ag. '71, Damascus University; M.Sc. '79, The University of Jordan.

Major: Horticulture. Minor: Supporting Program. Thesis: Evaluation and Inheritance of Green Peach Aphid-Resistance, Spread of Potato Leaf Roll Virus, and Crossability in Solanums.

Major Adviser: Prof. F. I. Lauer.

1985. Arthur Cedric Petersen, Jr. B.S. '75, Cornell University; M.S. '78, Colorado State University.

Major: Horticulture. Minor: Plant Pathology. Thesis: Effects of Water Stress on Phaseolus vulgaris L. and P. acutifolius Gray. var. latifolius Freeman.

Major Adviser: Prof. D. W. Davis.

1985. Jose Silvio Zuluaga. Ingeniero Agronomo '74, Universidad de Caldas.

Major: Horticulture. Minor: Supporting Program. Thesis: Rhizobium Affinities and Root Peroxidase Patterns of Some Phaseolus Species.

Major Adviser: Prof. P. D. Ascher.

Microbiology

1976. Elliot Louis Rank. B.A. cum laude '70, University of Minnesota.
Major: Microbiology. Minor: Biochemistry. Thesis: The Comparison of
Polymorphonuclear Leukotaxis to Factors Derived from *Escherichia Coli* and
Neisseria Gonorrhoeae.
Major Adviser: Prof. B. H. Gray.

1976. Bret Martin Steiner. B.S. cum laude '70, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Studies on the
Metabolism of *Leptospira Interrogans* Serovar Illini.
Major Adviser: Prof. R. C. Johnson.

1976. John Michael Zylka. B.A.'67, St. Vincent College; M.S.'70, West
Virginia University.
Major: Microbiology. Minor: Biochemistry. Thesis: Purine Transport in
Suspension Cultures of Novikoff Rat Hepatoma Cells.
Major Adviser: Prof. P. G. Plagemann.

1977. Edward Leon Barsumian. B.S.'68, M.S.'70, American University of
Beirut.
Major: Microbiology. Minor: Supporting Program. Thesis: The Role of
Hypersensitivity on the Toxicity of Streptococcal Pyrogenic Exotoxins.
Major Adviser: Prof. D. W. Watson.

1977. Carolyn Mold Cunningham. B.A. magna cum laude '72, Carleton
College.
Major: Microbiology. Minor: Supporting Program. Thesis: The Site of
Action of Streptococcal Pyrogenic Exotoxin on the Humoral Immune Response.
Major Adviser: Prof. D. W. Watson.

1977. Peter Charles Maxwell. B.A.'67, M.S.'70, University of Iowa.
Major: Microbiology. Minor: Supporting Program. Thesis: Hydroxylamine
Dehydrogenase from *Nitrosomonas Europaea*.
Major Adviser: Prof. A. B. Hooper.

1977. Barbara Brandel Mozer. B.A. with high honors '71, University of
Montana.
Major: Microbiology. Minor: Public Health. Thesis: Studies on the
Preneoplastic Stage of Foreign Body Tumorigenesis.
Major Adviser: Prof. G. K. Brand.

1977. William Joseph Palin. A.B.'66, Providence College.
Major: Microbiology. Minor: Biochemistry. Thesis: Endotoxin Immunity.
Major Adviser: Prof. D. W. Watson.

1977. Walter Jay Ralston, II. A.B.'65, Wheaton College; M.S.'67,
University of Massachusetts.
Major: Microbiology. Minor: Supporting Program. Thesis: Studies of the
Effect of Lactic Dehydrogenase Virus upon Cellular Host Defense Mechanisms
of the Mouse.
Major Adviser: Prof. B. H. Gray.

1977. Peter Ludwig Sadowski. B.A.'70, M.S.'72, Montana State University.
Major: Microbiology. Minor: Supporting Program. Thesis: The
Persistence and Epidemic Spread of a Single R-Plasmid in the Hospital
Environment/Attempt to Establish the Presence of a Plasmid with M-Protein
in *Streptococcus pyogenes*.
Major Adviser: Prof. P. P. Cleary.

1977. Melvin O. Whittington, Jr. B.S.'67, Oklahoma Baptist University;
M.S.'69, New Mexico State University.
Major: Microbiology. Minor: Supporting Program. Thesis: The
DNA-Protein Complex of *Bacillus Sutils* Bacteriophage Theta 29.
Major Adviser: Prof. D. L. Anderson.

Microbiology

1977. Steven Harold Zuckerman. B.A.'73, New York University.
Major: Microbiology. Minor: Supporting Program. Thesis: Plasma Membrane Fc Receptors on a Murine Lymphoblastoid Cell Line--Dynamics, Modulation and Partial Characterization.
Major Adviser: Prof. S. D. Douglas.
1978. William Peter Pilacinski. B.S.'72, University of Minnesota.
Major: Microbiology. Minor: Biochemistry. Thesis: Genetics of the Insertion Sequence IS2 in Bacteriophage Lambda.
Major Adviser: Prof. J. F. Zissler.
1978. Shiu Lok Tong. B.A.'72, Southern Illinois University.
Major: Microbiology. Minor: Biochemistry. Thesis: Study of the Replication and Structure of Lactate Dehydrogenase-Elevating Virus (LDV).
Major Adviser: Prof. P. G. W. Plagemann.
1979. Janet Sue Beneke. B.S. with distinction '72, M.S.'74, Iowa State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Purification and Characterization of Suppressor Factors Produced by Herpesvirus-Transformed Cell Lines.
Major Adviser: Prof. G. R. Pearson.
1979. Carol Anne Heineman Clayman. B.A.'73, University of California, San Diego.
Major: Microbiology. Minor: Supporting Program. Thesis: In Vitro Synthesis of Infectious, Transforming Viral DNA by an Avian Retrovirus.
Major Adviser: Prof. A. J. Faras.
1979. Linda Jo Ann Eaton. B.A. cum laude '72, Miami University.
Major: Microbiology. Minor: Supporting Program. Thesis: Biological Role of Immunoglobulins in the Respiratory Immune System of the Rabbit.
Major Adviser: Prof. B. H. Gray.
1979. Daniel Anthony Kunz. B.S.'71, M.A.'73, Southwest Texas State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Biochemical and Genetic Studies of TOL Plasmid-Encoded Degradative Functions in Pseudomonas putida.
Major Adviser: Prof. P. J. Chapman.
1980. Thomas Frank Bumol. B.S. with distinction '75, University of Michigan.
Major: Microbiology. Minor: Supporting Program. Thesis: Biochemical and Immunological Characterization of Plasma Membrane Thy-1.2 Alloantigen Variant Lymphoma Cell Line.
Major Adviser: Prof. S. D. Douglas.
1980. Nancy Kisselburg Henry. B.S.'74, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Studies of the Bactericidal Mechanisms of Human Polymorphonuclear Leukocytes Active Against Pseudomonas aeruginosa.
Major Adviser: Prof. B. H. Gray.
1980. Douglas Rachko. B.S.'75, Pace College.
Major: Microbiology. Minor: Supporting Program. Thesis: Chromosome Studies in Foreign-Body Tumorigenesis.
Major Adviser: Prof. K. G. Brand.
1980. Karen Lee Turnbull Richards. B.A.'64, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Alterations in the Glycocalyx of a Lymphoblastoid and a Macrophage-Like Cell Line Following Fc Receptor-Ligand Interaction.
Major Adviser: Prof. S. D. Douglas.

Microbiology

1980. Lawrence Joseph Shimkets. B.S. with honors '74, Florida State University.
Major: Microbiology. Minor: Supporting Program. Thesis: The Role of Purines in the Developmental Cycle of Myxococcus Xanthus.
Major Adviser: Prof. Martin Dworkin.
1981. Kenneth Alvin Bertram. B.S.'76, University of Illinois.
Major: Microbiology. Minor: Biochemistry. Thesis: The Role of Natural Killer Activity in Resistance to Herpesvirus-Induced Disease.
Major Adviser: Prof. G. R. Pearson.
1981. Jo Roberts Dizikes. B.S. with honor '70, Michigan State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Isolation and Characterization of Early Antigens Produced in Herpesvirus saimiri Infected Cells.
Major Adviser: Prof. G. R. Pearson.
1981. Frederick E. Goetz. B.A.'68, College of St. Thomas.
Major: Microbiology. Minor: Supporting Program. Thesis: Genetics of Cryptic Lambdoid Prophage.
Major Adviser: Prof. J. F. Zissler.
1981. Paul Edwin Orndorff. B.A.'72, Knox College; M.S.'72, University of Montana.
Major: Microbiology. Minor: Biochemistry. Thesis: The Cell Surface of Myxococcus Xanthus.
Major Adviser: Prof. Martin Dworkin.
1981. John Haynes Weis. B.S.'77, Oregon State University.
Major: Microbiology. Minor: Supporting Program. Thesis: The Isolation and Characterization of a Topoisomerase Associated with Rous Sarcoma Virus.
Major Adviser: Prof. A. J. Faras.
1981. Mary Josephine Zidwick. B.S.'75, University of Michigan.
Major: Microbiology. Minor: Supporting Program. Thesis: Dual Regulation of the ArgECBH Operon: Comparison of In Vitro Arginine-Specific Messenger Ribonucleic Acid and Enzyme Production.
Major Adviser: Prof. Palmer Rogers.
1982. Sharon Lee Banister. B.A. with highest honors '75, Bethel College.
Major: Microbiology. Minor: Supporting Program. Thesis: The Role of the Macrophage in the Induction of In Vitro Cell-Mediated Cytotoxicity.
Major Adviser: Prof. J. R. Schmidtke.
1982. Michael Robert Hall. B.S.'72, M.A.'74, Drake University.
Major: Microbiology. Minor: Supporting Program. Thesis: Leukocyte Blastogenic Reactivity to Virus and Tumor-Associated Antigens in Chickens Infected with Rous Sarcoma Virus.
Major Adviser: Prof. Paul Meyers.
1982. R. Scott McIvor. B.S.'75, M.S.'78, University of Washington.
Major: Microbiology. Minor: Supporting Program. Thesis: Uracil Uptake in Acholeplasma laidlawii and in Novikoff Rat Hepatoma Cells; Comparative Enzymology.
Major Adviser: Prof. P. G. W. Plagemann.
1982. Charles Anthony Omer. B.S. with high honor '77, Michigan State University.
Major: Microbiology. Minor: Supporting Program. Thesis: A Molecular Analysis of Reverse Transcription in Avian Sarcoma Virus.
Major Adviser: Prof. A. J. Faras.
1982. Karen Mary Palin. B.A.'72, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: The Association of Leptospira with Macrophages.
Major Adviser: Prof. R. C. Johnson.

Microbiology

1982. Ralph Walter Seelke. B.S. with highest honor '73, Clemson University.
Major: Microbiology. Minor: Supporting Program. Thesis: The Relationship Between Copy Number Control and Incompatibility in F Plasmids.
Major Adviser: Prof. Bruce Kline.

1982. Marilyn S. Smith. B.A. with honors '75, University of Kansas; M.S.'75, Rutgers University.
Major: Microbiology. Minor: Supporting Program. Thesis: Genetic Factors Influencing Replication and Function of Mouse Hepatitis Virus.
Major Adviser: Prof. P. G. Plagemann.

1982. Jonathan G. Spanier. B.S.'76, Cornell University.
Major: Microbiology. Minor: Supporting Program. Thesis: Lysogenic Conversion of Antiphagocytic Determinants in Group A Streptococci.
Major Adviser: Prof. P. P. Cleary.

1982. Janis Jacks Weis. B.A.'77, University of Kansas.
Major: Microbiology. Minor: Supporting Program. Thesis: Opsonin Requirements for Phagocytosis of Group A Streptococci.
Major Adviser: Prof. P. P. Cleary.

1983. Douglas Grinnell Anderson. B.A. magna cum laude '72, M.S.'76, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Genetic and Physical Characterization of Recombinant Plasmids Associated with Cell Aggregation and High Frequency Conjugal Transfer in Streptococcus Lactis NL3.
Major Adviser: Prof. L. L. McKay.

1983. Richard Donald Garman. B.S.'76, M.S.'78, University of Idaho.
Major: Microbiology. Minor: Supporting Program. Thesis: A New Cytokine Necessary for the In Vitro Generation of Primary Murine Cytolytic T Lymphocytes.
Major Adviser: Prof. D. P. Fan.

1983. Paul Henry Tomasek. B.S. magna cum laude '76, University of North Dakota.
Major: Microbiology. Minor: Supporting Program. Thesis: Bacterial Catabolism of Xanthone.
Major Adviser: Prof. R. L. Crawford.

1983. Clifford Dean Wright. B.S. cum laude, with highest honors '77, M.S.'79, Brigham Young University.
Major: Microbiology. Minor: Biochemistry. Thesis: Influence of Yeast Mannan Polysaccharide on Human Neutrophil Functions.
Major Advisers: Profs. B. H. Gray and R. D. Nelson.

1984. Julie Ann Curtsinger. B.S. magna cum laude '74, University of Dayton; M.S.'80, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: A Study of the Roles of Major Histocompatibility Complex Genes and the Lymphokine Interleukin 3 in the In Vitro Generation of Murine Cytolytic T Lymphocytes.
Major Adviser: Prof. D. P. Fan.

1984. George James Dizikes. B.S.'72, M.S.'74, University of Illinois.
Major: Microbiology. Minor: Biochemistry. Thesis: Plasmids in Bacillus: Possible Role in Aromatic Catabolism.
Major Adviser: Prof. R. L. Crawford.

1984. Gary Richard Janssen. B.S.'76, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Cell-Cell Interactions During Developmental Lysis of Myxococcus Xanthus.
Major Adviser: Prof. Martin Dworkin.

Microbiology

1984. Elizabeth Darrow Johnson. B.A. cum laude '76, St. Olaf College.
Major: Microbiology. Minor: Supporting Program. Thesis: Autoreactive Cells of the Murine Syngeneic Mixed Lymphocyte Reaction.
Major Adviser: Prof. C. S. David.
1984. Katherine Mary Kowalchuk. B.A. with distinction '77, University of Wisconsin.
Major: Microbiology. Minor: Supporting Program. Thesis: A Study of the Permissiveness of Mouse Macrophages for Lactate Dehydrogenase Elevating Virus.
Major Adviser: Prof. P. G. W. Plagemann.
1984. Nancy Jeanne Laible. B.A. magna cum laude '67, Gustavus Adolphus College.
Major: Microbiology. Minor: Supporting Program. Thesis: Muramidase - Independent Lysozyme Killing of Oral Streptococci.
Major Adviser: Prof. G. R. Germaine.
1984. Stephen Craig Lee. B.S. '78, St. Ambrose College.
Major: Microbiology. Minor: Supporting Program. Thesis: Evolution By DNA Rearrangement In a Population of Related Gentamicin: Resistance Plasmids.
Major Adviser: Prof. P. P. Cleary.
1984. Richard LeRoy Mitchell. B.A. with honors '76, University of California, Santa Cruz.
Major: Microbiology. Minor: Supporting Program. Thesis: Structure and Expression of the Integrated Viral Genome in Rous Sarcoma Virus Transformed and Revertant Field Vole Cells.
Major Adviser: Prof. A. J. Faras.
1984. Karel Zdenek Newman. B.A. with honors '77, University of California, Riverside.
Major: Microbiology. Minor: Supporting Program. Thesis: Host Mechanism For the Elimination of Blood-Borne Relapsing Fever Borreliae.
Major Adviser: Prof. R. C. Johnson.
1984. Pamela Rader Petrequin. A.B. '74, Dartmouth College; M.S. '77, Case Western Reserve University.
Major: Microbiology. Minor: Supporting Program. Thesis: Adjuvant Activation of Macrophages From Young And Aging Mice.
Major Adviser: Prof. A. G. Johnson.
1984. Ernest Francis Retzel. B.S. '73, Michigan State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Avian Retrovirus Reverse Transcription In Vitro: Minus-Strand cDNA Synthesis in the Reconstructed Reaction.
Major Adviser: Prof. A. J. Faras.
1984. Katherine Anne Staskus. B.S. '75, The University of Michigan.
Major: Microbiology. Minor: Supporting Program. Thesis: Avian Retrovirus Reverse Transcription, In Vitro: cDNA Synthesis In Reconstructed Reactions Utilizing The Native Template-Primer Complex.
Major Adviser: Prof. A. J. Faras.
1984. Kipling Thacker. B.S. '76, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: A Study of Proteins gp7 and gp8.5 During Capsid Morphogenesis of Bacillus Subtilis Bacteriophage 029.
Major Adviser: Prof. B. E. Reilly.
1984. John Douglas Trawick. B.A. '76, Gustavus Adolphus College.
Major: Microbiology. Minor: Supporting Program. Thesis: Transcription and Regulation of F Plasmid Maintenance Genes.
Major Adviser: Prof. B. C. Kline.

Microbiology

1985. David Lewis Dunn. B.S. with high distinction '73, M.D. '77, University of Michigan.
Major: Microbiology. Minor: Surgery. Thesis: Host Defenses of the Peritoneal Cavity: Determination of the Mechanism of Action of Hemoglobin.
Major Adviser: Prof. R. L. Simmons.

1985. Carolyn JoAnn Hovde. B.S. '75, University of Illinois.
Major: Microbiology. Minor: Supporting Program. Thesis: Killing of Pseudomonas aeruginosa by a Bactericidal Protein From the Cytoplasmic Granules of Human Polymorphonuclear Leukocytes.
Major Adviser: Prof. B. H. Gray.

1985. Lane Parker Johnson. B.S. '80, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Molecular Analysis of Group A Streptococcal Pyrogenic Exotoxin Type A.
Major Adviser: Prof. P. M. Schlievert.

1985. William Cleveland Phelps. B.S. with honors and distinction '77, Southwestern at Memphis; M.S. '80, Virginia Polytechnic Institute and State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Transcription of Shope Papillomavirus in Benign and Malignant Rabbit Tumors.
Major Adviser: Prof. A. J. Faras.

1985. Nancy Jane Poindexter. A.B. '75, University of Michigan; M.S. '77, North Dakota State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Toxic Shock Syndrome Toxin-1 Induced Alterations in T Lymphocyte Function.
Major Adviser: Prof. P. M. Schlievert.

1985. Marianne Rice. A.B. cum laude '80, Hope College.
Major: Microbiology. Minor: Supporting Program. Thesis: Healing Immune Response of the Rabbit to Primary Infection with Treponema Pallidum.
Major Adviser: Prof. T. J. Fitzgerald.

1985. Daniel Edward Wexler. B.S. with honors '77, State University of New York at Stony Brook.
Major: Microbiology. Minor: Supporting Program. Thesis: Inactivation of C5a by Group A Streptococci.
Major Adviser: Prof. P. P. Cleary.

1985. Michael George Williams. B.S. '77, Montana State University.
Major: Microbiology. Minor: Supporting Program. Thesis: The Effect of ppGpp on the Transcription and Translation of the argECBH Gene Cluster by Arginine-limited Escherichia coli.
Major Adviser: Prof. Palmer Rogers.

1986. Christopher Thomas Dunwiddie. B.S. magna cum laude '81, University of Minnesota.
Major: Microbiology. Minor: Supporting Program. Thesis: Identification and Characterization of Endogenous Virus-Like Sequences in the EV⁻ Chicken and Japanese Quail.
Major Adviser: Prof. A. J. Faras.

1986. Thomas Ray Hankinson. B.S. '77, University of Maine.
Major: Microbiology. Minor: Supporting Program. Thesis: Characterization of Nitrifying Bacteria in an Acid Forest Soil.
Major Adviser: Prof. E. L. Schmidt.

1986. Frederick Wright Hyde. B.S. '79, Michigan State University.
Major: Microbiology. Minor: Supporting Program. Thesis: Genetic Studies on Relapsing Fever and Lyme Disease Borrelia.
Major Adviser: Prof. R. C. Johnson.

Microbiology

1986. William Thomas Smorczewski. B.S. magna cum laude '76, University of Massachusetts.

Major: Microbiology. Minor: Supporting Program. Thesis: The Numbers, Activities and Diversity of Ammonia and Nitrate Oxidizing Bacteria in the Sediment of Lake Calhoun.

Major Adviser: Prof. E. L. Schmidt.

1986. Todd Anthony Starich. B.S. with honors '80, University of Notre Dame.

Major: Microbiology. Minor: Supporting Program. Thesis: Characterization of Specialized Transducing Particles in Myxococcus Xanthus Strain YS.

Major Adviser: Prof. J. F. Zissler.

Nutrition

*1975. Michael Larry Thonney. B.S. with distinction '71, Washington State University; M.S. '73, University of Minnesota.

Major: Nutrition. Minor: Statistics. Thesis: Prediction of Energy Requirements and Rates of Gain of Feedlot Cattle.

Major Adviser: Prof. J. C. Meiske.

1977. Chuan-Chieh Edwin Hsu. B.S. '70, Taiwan Provincial Chung-Hsing University; M.S. '74, University of Minnesota.

Major: Nutrition. Minor: Biochemistry. Thesis: Evaluation of Protein Quality and Availability of Amino Acids in Oats.

Major Adviser: Prof. R. J. Meade.

1977. Show-Jane Joanna Hsu. B.S. '70, National Chung-Hsing University; M.S. '74, University of Minnesota.

Major: Nutrition. Minor: Biochemistry. Thesis: Effect of Level of Dietary Protein on the Lysine and Threonine Requirements of the Growing Rat.

Major Adviser: Prof. R. J. Meade.

1977. Allen Stuart Levine. A.B. '70, Rutgers University; M.S. '73, University of Minnesota.

Major: Nutrition. Minor: Food Science. Thesis: The Effect of Nutritional Stress and Subsequent Rehabilitation on Skeletal Muscles in Rodents.

Major Adviser: Prof. P. V. Hegarty.

1978. William Stephen Harris. B.A. cum laude '71, Hancver College.

Major: Nutrition. Minor: Biochemistry. Thesis: Bile Acid Metabolism in the Ascorbic Acid Deficient Guinea Pig.

Major Adviser: Prof. B. A. Kottke.

1978. Darlene Gai Kelly. B.S. with distinction '68, Washington State University; M.S. '73, University of Minnesota.

Major: Nutrition. Minor: Supporting Program. Thesis: Transport, Electrical and Structural Characteristics of the Intact and Broken Canine Gastric Mucosal Barrier to the Passage of Sodium and Hydrogen Ions.

Major Adviser: Prof. C. F. Code.

1978. Penny M. Krzys. B.S. honors '71, Rochester Institute of Technology; M.S. '73, Case Western Reserve University.

Major: Nutrition. Minor: Supporting Program. Thesis: A Treatise on Cholesterol Metabolism in the Rat.

Major Advisers: Profs. M. D. Doyle and I. D. Frantz.

1978. Donald Keith Layman. B.S. '72, M.S. '74, Illinois State University.

Major: Nutrition. Minor: Biochemistry. Thesis: Biochemical and Morphological Changes in Skeletal Muscle Fibers During Normal Growth and Prolonged Starvation.

Major Adviser: Prof. P. B. Swan.

*Inadvertent omission from previous Register.

Nutrition

1978. Kathleen James Lewis. B.S.'58, University of Wisconsin; M.S.'67, University of Minnesota.
Major: Nutrition. Minor: Biochemistry. Thesis: A Comparative Study of Nutrient Intake and Food Habits of Young, Married Women Classified According to Body-Weight Response.
Major Adviser: Prof. M. D. Doyle.
1978. James Gary Linn. B.S.'70, M.S.'73, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: Effects of Supplemental Protein and Methionine Hydroxy Analog on Milk Production of Dairy Cows.
Major Adviser: Prof. D. E. Otterby.
1978. Shahnaz Ravanshad. B.S.'68, National University of Iran; M.S.'75, University of Minnesota.
Major: Nutrition. Minor: Veterinary Physiology and Pharmacology. Thesis: A Study of Dog Ceruloplasmin.
Major Adviser: Prof. C. F. Gastineau.
1979. Alvin Chun Fung Chan. B.S.'73, Wisconsin State University, Stevens Point; M.S.'76, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: The Effects of Vitamin E Depletion and Repletion on Blood Creatine Phosphokinase, Fatty Acid Composition and Prostaglandin Metabolism in Tissues of the Young Rabbit.
Major Advisers: Profs. C. E. Allen and P. V. Hegarty.
1979. Michael William Hamm. B.A.'74, Northwestern University.
Major: Nutrition. Minor: Supporting Program. Thesis: Transport and Metabolism of Pyridoxamine and Pyridoxamine Phosphate in the Small Intestine of the Rat.
Major Adviser: Prof. L. M. Henderson.
1980. Carol Jean Lammi-Keefe. M.S.'71, University of Illinois.
Major: Nutrition. Minor: Supporting Program. Thesis: Aging: Effect of Nutrition on Catalase and Superoxide Dismutase Activities in Skeletal and Cardiac Muscles from Rats.
Major Advisers: Profs. P. V. Hegarty and P. B. Swan.
1980. Le-Chu Su. B.S.'74, National Taiwan University; M.S.'77, University of Minnesota.
Major: Nutrition. Minor: Biochemistry. Thesis: Copper Metabolism in Normal Dogs and Bedlington Terriers.
Major Advisers: Profs. C. F. Gastineau and Charles Owen.
1980. Pamela Van Zyl-York. B.A.'73, Lawrence University; M.P.H.'75, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: Influence of Maternal Nutrition on Some Parameters of Carbohydrate Metabolism and Insulin Status in the Pregnant and Lactating Rat.
Major Adviser: Prof. L. M. Morse.
1981. Sheila Dean Ashbrook. B.A. cum laude '75, Carleton College.
Major: Nutrition. Minor: Supporting Program. Thesis: The Vegetable-Eating Preferences of Infants and a Survey of Infant Feeding Practices in the Minneapolis-St. Paul Area.
Major Advisers: Profs. M. D. Doyle and H. L. Pick.
1982. Susan Irene Barr. B.H.E.'76, University of British Columbia.
Major: Nutrition. Minor: Supporting Program. Thesis: Interrelationships of Triglycerides and Apolipoproteins in the Fasting and Postprandial States.
Major Adviser: Prof. B. A. Kottke.

Nutrition

1982. Marilyn Rose Lawler. B.S. cum laude '60, Briar Cliff College; M.S.'64, State University of Iowa.
Major: Nutrition. Minor: Supporting Program. Thesis: Experimental Copper Deficiency.
Major Adviser: Prof. L. M. Morse.

1982. Sangsun Lee. B.S.'72, Ewha Womans University; M.S.'78, University of Rhode Island.
Major: Nutrition. Minor: Supporting Program. Thesis: Evaluation of the Infuence of Dietary Factors and Hormone on Secretion of Enzymes by the Rat Pancreas.
Major Adviser: Prof. I. E. Liener.

1982. John Drew Manwaring. B.S.'74, Brigham Young University; M.S.'78, University of Minnesota.
Major: Nutrition. Minor: Biochemistry. Thesis: Investigation of the Vitamin E Related Water Soluble Flourescent Compounds in Mouse Tissues.
Major Adviser: Prof. A. S. Csallany.

1982. Jung Han Park. B.S.'72, Ewha Woman's University; M.S.'80, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: Effects of Aging and Nutrition on Skeletal Muscle Maintenance in Rats.
Major Adviser: Prof. P. B. Swan.

1983. Mary Carol Gannon. B.S.'72, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: Effect of the Diet or Starvation on Glycogen Synthase Phosphatase Activity in Rat Heart.
Major Advisers: Profs. P. B. Swan and F. Q. Nuttall.

1983. Steven Lewis Ink. B.A. cum laude '75, University of Minnesota, Duluth.
Major: Nutrition. Minor: Supporting Program. Thesis: Mechanism and Nutritional Significance of Uptake and Accumulation of Pyridoxal by Erythrocytes.
Major Adviser: Prof. L. M. Henderson.

1984. Maria Georgia Boosalis. B.S. with high distinction '74, University of Minnesota; M.P.H.'75, University of California, Berkeley.
Major: Nutrition. Minor: Supporting Program. Thesis: Response of Visceral Proteins and Minerals to Acute and Chronic Stress.
Major Advisers: Profs. C. J. McClain and P. B. Swan.

1984. Claire Elaine Kotts. B.A.'69, Hamline University; M.S.'74, University of Minnesota.
Major: Nutrition. Minor: Biochemistry. Thesis: Development of a Muscle Cell Culture Bioassay for Measuring Proliferation-Promoting Activity in Swine Serum.
Major Advisers: Profs. C. E. Allen and W. R. Dayton.

1985. Myron Donald Gross. B.S. '74, M.S. '77, North Dakota State University.
Major: Nutrition. Minor: Biochemistry. Thesis: A Study of Rat Kidney Transamidinase Structure and Regulation with Monoclonal Antibodies and The Purification and Characterization of Human Kidney Transamidinase.
Major Adviser: Prof. J. F. Van Pilsum.

1985. Lydia Angela Jarosz. B.S. '73, University of Wisconsin, Milwaukee.
Major: Nutrition. Minor: Supporting Program. Thesis: The Nutritional Implications of Changing Sociocultural Patterns of Infant Feeding in the Republic of Liberia.
Major Adviser: Prof. P. B. Swan.

Nutrition

1985. Ruth Elaine MacDonald. B.S. cum laude '79, Western Maryland College; M.S. '81, University of Minnesota.
Major: Nutrition. Minor: Food Science. Thesis: The Influence of Metabolic and Dietary Alterations on Rat Cardiac and Skeletal Muscle Peroxisomes.
Major Adviser: Prof. P. B. Swan.
1985. Maureen Ann Mackey. B.S. '78, University of California, Davis; M.S. '81, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: Development of a Muscle Cell Culture Bioassay for Serum-Borne Growth Factors Affecting Protein Turnover.
Major Advisers: Profs. C. E. Allen and W. R. Dayton.
1985. Charlotte Pratt-Aryiku. B.S. honors '76, University of Ghana; M.S.'80, University of Minnesota.
Major: Nutrition. Minor: Supporting Program. Thesis: The Effects of Different Energy Sources on the Lipoprotein Lipase Activity and Triglyceride Concentration in Rat Skeletal and Cardiac Muscles.
Major Adviser: Prof. P. B. Swan.
1986. M'Barek Essatara. Diplome d'Ingenieur Agronome '73, Institut Agronomique et Veterinaire Hassan II; Diplome de Docteur de 3^e Cycle '76, Universite de Paris VI.
Major: Nutrition. Minor: Supporting Program. Thesis: Zinc Deficiency: Experimental Studies in the Rat and Epidemiological Studies in Morocco.
Major Adviser: Prof. D. A. Savaiano.

Plant Breeding

1976. Michael Stephen McMullen. B.S.'69, Illinois State University; M.S.'72, Colorado State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: A Cytogenetic Analysis of Avena sativa L. and Avena sterilis L.
Major Advisers: Profs. R. L. Phillips and D. D. Stuthman.
1977. Mohamed Ahmed Mohamed Ali. B.S.'61, University of Khartoum; M.S.'65, University of Cambridge.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Yield Performance of Semi-Dwarf Barley (Hordeum vulgare L.).
Major Adviser: Prof. D. C. Rasmusson.
1977. Donn Paul Cummings. B.S.'71, M.S.'73, Purdue University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Studies Relating to Development of a Selection System for Lysine Overproducer Mutants in Oats.
Major Adviser: Prof. D. D. Stuthman.
1977. Mohamed Salah Mekni. M.S.'71, North Dakota State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Effect of Tillering on Yield and Stability of Yield in Barley, Hordeum vulgare (L. emend. Lam.).
Major Adviser: Prof. D. C. Rasmusson.
1977. Thomas LeRoy Tew. B.S.'72, Brigham Young University; M.S.'75, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Inheritance of Photoperiod Response in Barley.
Major Adviser: Prof. D. C. Rasmusson.
1978. Juan Enrique Gebauer. Ing.Agr.'69, Universidad de Concepcion.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Mass Selection for Prolificacy in Maize Grown at Two Plant Densities.
Major Advisers: Profs. J. L. Geadelmann and J. W. Lambert.

Plant Breeding

1978. Petter Marum. Kand.'74, Agricultural University of Norway; M.S.'77, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Cell Wall Constituents in Reed Canarygrass: Variation in Plant Parts, Heritability, and Association with Other Forage Quality Characters.
Major Adviser: Prof. A. W. Hovin.
1978. Narendra Bahadur Singh. B.Sc.'69, Gorakhpur University; M.Sc.'71, Institute of Agricultural Science.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Performance of Related Phytophthora-Resistance and Susceptible Soybean Lines Under Diseased and Disease-Free Conditions.
Major Adviser: Prof. J. W. Lambert.
1978. Larry R. Teuber. B.S. with honors '73, M.S.'75, New Mexico State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Breeding for Increased Nectar Production in Alfalfa (Medicago sativa L.).
Major Adviser: Prof. D. K. Barnes.
1979. Robert Warren Barham. B.S.'75, M.S.'77, University of California, Davis.
Major: Plant Breeding. Minor: Supporting Program. Thesis: The Inheritance of Photoperiod Response in Barley.
Major Adviser: Prof. D. C. Rasmusson.
1979. Jesus Martinez Gonzalez. Ingeniero Agronomo '68, Universidad Autonoma de Coahuila; Maestro en Ciencias '74, El Colegio de Postgraduados de Chapingo.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Slow Rusting to Puccinia graminis f. sp. tritici in Era Wheat.
Major Adviser: Prof. D. D. Stuthman.
1979. Hyo Guen Park. B.S.'63, Seoul National University; M.S.'70, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Inheritance of Interlocular Cavitation in Snap Beans (Phaseolus vulgaris L.).
Major Adviser: Prof. D. W. Davis.
1979. Donald Rex Viands. B.S. with high honors '74, University of Maryland; M.S.'77, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Selection Experiments on Nitrogen Fixation in Alfalfa.
Major Adviser: Prof. D. K. Barnes.
1980. Marc Christian Albertsen. B.S.'71, M.S.'76, Iowa State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Developmental Cytology, Mutagenesis, and Fertility Restoration of Genetic Male-Sterile Maize (Zea Mays L.).
Major Adviser: Prof. R. L. Phillips.
1980. Mark Anthony Brick. B.S.'72, Wisconsin State University, River Falls; M.S.'75, University of Arizona.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Morphology and Inheritance of Several Root Characteristics in Alfalfa.
Major Adviser: Prof. D. K. Barnes.
1980. Roy Glenn Cantrell. B.S.'76, Texas Tech University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Husk Leaves of Early Dent Maize: Breeding Behaviour and Contribution to Grain Yield.
Major Adviser: Prof. J. L. Geadelmann.

Plant Breeding

1980. Michael Darwin Casler. B.S. with honors '76, University of Illinois; M.S.'79, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: An Analysis of Forage Yield in Reed Canarygrass: Heritability of Stability Parameters, Factors Influencing Stability, and Yield Prediction from Morphological Characters.
Major Adviser: Prof. A. W. Hovin.
1980. Ronald Scott Ferriss. B.S.'75, University of Delaware; M.S.'78, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Influence of Genotype and Environment on the Response to Early Growth Stage Defoliation in Maize (Zea Mays L.).
Major Adviser: Prof. J. L. Geadelmann.
1980. Robert Mark Lawson. B.S. with high honors '75, University of Illinois; M.S.'78, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Genetic Variability in Soybeans for Nodule Number and Weight, and Recovery of Rhizobium Japonicum Strain 110.
Major Adviser: Prof. J. W. Lambert.
1980. Thomas Joseph McCoy. B.S.'73, M.S.'76, University of Wisconsin.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Cytogenetic Stability of Tissue Cultures and Regenerated Plants of Oats (Avena Sativa L.) and Corn (Zea Mays L.).
Major Advisers: Profs. H. W. Rines and R. L. Phillips.
1980. James Earl Miller. B.S. with distinction '76, M.S.'77, Iowa State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Effect of the bm Allele on the Agronomic Performance of Maize.
Major Adviser: Prof. J. L. Geadelmann.
1980. James Steven Parks. B.S.'76, Purdue University; M.S.'80, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Selection for European Corn Borer Leaf-and Sheath-Collar-Feeding Resistance in Maize.
Major Adviser: Prof. J. L. Geadelmann.
1980. Maria Toivio-Kinnucan. Candidate '74, University of Helsinki; M.S.'77, University of Minnesota.
Major: Plant Breeding. Minor: Plant Physiology. Thesis: Plant Membrane Properties Under Cold and Dehydration Stress.
Major Adviser: Prof. Cecil Stushnoff.
1980. Paul Frederick Umbeck. B.A.'70, Elmhurst College; B.S.'74, M.S.'76, Northern Illinois University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Evaluation and Selection for Inhibitor Resistance in Maize (Zea Mays L.) Tissue.
Major Adviser: Prof. B. G. Gengenbach.
1981. Michael Patrick Conway. B.S. with high scholarship '76, M.S.'77, Oregon State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Yield Components as Parental Selection Criteria in Breeding for Yield of Barley (Hordeum Vulgare L. Emend., Lam.).
Major Adviser: Prof. D. C. Rasmusson.
1981. Farouk Ahmed Elsayed. B.S.'61, Alexandria University; M.S.'66, Cairo University.
Major: Plant Breeding. Minor: Plant Pathology. Thesis: Daylength Insensitivity in Spring Wheat (Triticum aestivum L.): Effect on Agronomic Traits and Its Inheritance.
Major Adviser: Prof. R. H. Busch.

Plant Breeding

1981. James Allen Radtke. B.S.'74, M.S.'78, University of Wisconsin. Major: Plant Breeding. Minor: Supporting Program. Thesis: Evaluation of Recurrent Selection for Yield and Its Effect on Correlated Traits in Oats.
Major Adviser: Prof. D. D. Stuthman.

1981. Nancy Anne Sebern. B.S.'75, Iowa State University; M.S.'78, Colorado State University. Major: Plant Breeding. Minor: Supporting Program. Thesis: The Effectiveness of Early Generation Selection for Protein In Soybeans.
Major Adviser: Prof. J. W. Lambert.

1982. Steven John Czaplewski. B.S.'77, University of Wisconsin; M.S.'80, University of Minnesota. Major: Plant Breeding. Minor: Statistics. Thesis: Duration of the Grain-Filling Period and Grain Yield in Barley.
Major Adviser: Prof. D. C. Rasmusson.

1982. Leslie Allen Everett. B.S. with distinction '70, Iowa State University; M.S.'79, Cornell University. Major: Plant Breeding. Minor: Supporting Program. Thesis: A Comparison of Selection Methods for Reduced Shattering in Wild-Rice, Zizania palustris L.
Major Adviser: Prof. R. E. Stucker.

1982. Arturo Hernandez-Sierra. Ingeniero '74, Maestro en Ciencias '77, Escuela Nacional de Agricultura. Major: Plant Breeding. Minor: Supporting Program. Thesis: Recurrent Selection Methods in Wheat (Triticum aestivum L.).
Major Adviser: Prof. D. D. Stuthman.

1982. Boyd McKee Kitchen. B.S. summa cum laude '78, Brigham Young University; M.S.'81, University of Minnesota. Major: Plant Breeding. Minor: Supporting Program. Thesis: Duration of Leaf Initiation, Spike Formation, Spike Growth, and Rate of Spike Formation of Spring Barley.
Major Adviser: Prof. D. C. Rasmusson.

1982. Carlos Marcelo Loffler. Ingeniero Agronomo '74, Universidad Nacional de La Plata; M.S.'80, University of Minnesota. Major: Plant Breeding. Minor: Supporting Program. Thesis: Grain and Plant Protein Relationships and Recurrent Selection for Grain Protein Percentage in Spring Wheat (Triticum aestivum L.).
Major Adviser: Prof. R. H. Busch.

1982. James Joseph Luby. B.S. with highest distinction '78, Purdue University. Major: Plant Breeding. Minor: Supporting Program. Thesis: Evaluation of Avena Sativa L./A. Fatua L. Crosses.
Major Adviser: Prof. D. D. Stuthman.

1982. Alfred Joseph Moshi. B.S.'74, M.S.'78, University of Dar es Salaam. Major: Plant Breeding. Minor: Supporting Program. Thesis: Effects of Selection for Reduced Plant-Height in a Tropical Maize Population.
Major Adviser: Prof. J. L. Geadelmann.

1982. Robert LeRoy Nielsen. B.S. with distinction '77, University of Nebraska; M.S.'80, University of Minnesota. Major: Plant Breeding. Minor: Supporting Program. Thesis: Characterization of the Interference Between Oats and Alfalfa.
Major Adviser: Prof. D. D. Stuthman.

1982. Michael Andrew Peterson. B.S. with honors '78, University of California, Davis; M.S.'80, University of Minnesota. Major: Plant Breeding. Minor: Supporting Program. Thesis: An Evaluation of the Relationship Between Seed Size and Combining Ability in Crosses Among Diverse Alfalfa Germplasms.
Major Adviser: Prof. D. K. Barnes.

Plant Breeding

1982. Steven Arnold Thompson. B.A. with highest honor '75, Hamline University; M.S.'80, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Evaluation of Mass Selection for Prolificacy in Corn (Zea mays L.) Conducted at High and Low Plant Densities: Comparison of Cycle Means and Estimation of Genotypic Variances.
Major Adviser: Prof. J. L. Geadelmann.
1983. David Wayne Altman. B.A.'72, Vanderbilt University; B.S.'78, M.S.'81, Oregon State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Random Interating Before Selection in Spring Wheat (Triticum Aestivum L).
Major Adviser: Prof. R. H. Busch.
1983. Dana Lyle Eaton. B.S.'73, B.S. with honors '78, Iowa State University; M.S.'81, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: The Incorporation of Unadapted Germplasm into Adapted Spring Wheat.
Major Adviser: Prof. R. H. Busch.
1983. William Sylvester Niebur. B.S. with distinction '79, M.S.'80, Iowa State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Natural Selection for Adaptation in Maize at High Plant Density.
Major Adviser: Prof. J. L. Geadelmann.
1983. Anggoro Hadi Permadi. Ir.'76, Bogor Agricultural University.
Major: Plant Breeding. Minor: Horticulture. Thesis: Variation in Photoperiodic Response and Flower Structure of Winged Bean (Psophocarpus tetragonolobus (L) DC).
Major Adviser: Prof. P. D. Ascher.
1983. David Walton Unander. B.S. with high honors '77, M.S.'79, Southern Illinois University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Genetic and Environmental Components of Soybean (Glycine max (L.) Merr.) Germination Under Cool Temperature Conditions.
Major Adviser: Prof. J. W. Lambert.
1984. Gary Benzion. B.S.'74, Cornell University; M.S.'78, University of Florida.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Genetic and Cytogenetic Analysis of Maize Tissue Cultures: A Cell Line Pedigree Analysis.
Major Adviser: Prof. R. L. Phillips.
1984. Dean William Christensen. B.A.'72, Macalester College; M.S.'82, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Utility of Zein Isoelectric Focusing for Predicting Heterosis in Maize.
Major Adviser: Prof. J. L. Geadelmann.
1984. Dan Michael Froehlich. B.S.'79, M.S.'80, Iowa State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Determination of Heterotic Patterns for In Vitro Pollen-Tube Length Among Diverse Alfalfa Sources.
Major Adviser: Prof. D. K. Barnes.
1984. Daryl Keith Hexum. B.S. with honor '80, North Dakota State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Evaluation of Visual SI Recurrent Selection for Early Vigor in Maize.
Major Adviser: Prof. J. L. Geadelmann.

Plant Breeding

1984. David Lee Jessen. B.S. with high distinction '79, University of Minnesota; M.S. '81, Iowa State University of Science and Technology. Major: Plant Breeding. Minor: Supporting Program. Thesis: Selection for Nodule Enzymes of Nitrogen and Carbon Assimilation in Alfalfa (Medicago Sativa L.).

Major Adviser: Prof. D. K. Barnes.

1984. Wallace Einar Palm. B.S. '79, University of Missouri. Major: Plant Breeding. Minor: Supporting Program. Thesis: Half-sib Family Selection in Wild Rice (Zizania palustris L.).

Major Adviser: Prof. R. E. Stucker.

1984. Jacques Surprenant. B.Sc. '76, Universite de Sherbrooke; M.Sc. '80, Universite Laval.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Forage Yield and Quality in Reed Canarygrass: Influence of Planting Patterns, and Effect of One Cycle of Phenotypic Selection.

Major Adviser: Prof. R. H. Busch.

1985. Noel Francis Beninati. B.A. '74, University of New York at Albany; M.S. '82, University of Florida.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Inheritance of Grain Protein in Two Hard Red Spring Wheat Crosses.

Major Adviser: Prof. R. H. Busch.

1985. Theodore James Diedrick. B.S. Ag. '79, Ohio State University; M.S. '84, University of Minnesota.

Major: Plant Breeding. Minor: Plant Physiology. Thesis: Amino Acid and Field Evaluations of Two Amino Acid Overproducing Mutants in Corn (Zea Mays L.).

Major Adviser: Prof. B. G. Gengenbach.

1985. Jose E. Hernandez. B.S. '78, M.S. '81, University of the Philippines at Los Banos.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Intercultivar Competition in Row Plots of Wild Rice (Zizania Palustris L.) Trials.

Major Adviser: Prof. R. E. Stucker.

1985. Mary Holt Hunsperger. B.S. '74, University of Iowa; M.S. '81, Michigan State University.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Effects of Sugary-1 Locus on Plant and Ear Traits in Corn.

Major Adviser: Prof. D. W. Davis.

1985. David Loren Nelson. B.S. with honors '80, New Mexico State University; M.S. '82, University of Minnesota.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Genetic Variability and Inheritance of Nitrate Reductase Activity in Alfalfa and Its Association with Forage Yield.

Major Adviser: Prof. D. K. Barnes.

1985. Carol Ann Rhodes. B.S. with highest honors '77, University of California, Davis; M.S. '81, University of Minnesota.

Major: Plant Breeding. Minor: Plant Physiology. Thesis: Aneuploid Tissue Cultures of Maize: Initiation, Plant Regeneration, and Cytogenetic Stability.

Major Adviser: Prof. R. L. Phillips.

1985. Michael Walter Trimble. B.S. with honors '80, University of Illinois; M.S. Agron. '82, Iowa State University.

Major: Plant Breeding. Minor: Supporting Program. Thesis: Usefulness of Hill Plots in an Alfalfa Breeding Program for Measuring the Effects of Cutting Managements and Soil Nitrogen Concentrations.

Major Adviser: Prof. D. K. Barnes.

Plant Breeding

1985. Ahmed Zahour. Diplome d'Ingenieur Agronome '77, Institut Agronomique et Veterinaire Hassan II.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Effect of Semidwarf Character and Yield Components on Yield in Barley (Hordeum Vulgare L. Emend., Lam.).
Major Adviser: Prof. D. C. Rasmusson.
1986. Charles Lester Armstrong. B.S. highest honors '81, University of Illinois; M.S. '84, Plant Breeding.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Genetic and Cytogenetic Stability of Maize Tissue Cultures: A Comparative Study of Organogenic and Embryogenic Cultures.
Major Adviser: Prof. R. L. Phillips.
1986. Lakhdar Boukerrou. Ingenieur d' Application '74, Institut de Technologie Agricole de Mostaganem; M.S. '84, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Biomass Yield and Breeding for High Grain Yield in Barley (Hordeum vulgare L.)
Major Adviser: Prof. D. C. Rasmusson.
1986. Patrick Milo Hayes. B.S.Ag. with high distinction '80, The University of Arizona; M.S. '82, Oregon State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Selection for Tiller Synchrony in Wild Rice (Zizania palustris L.).
Major Adviser: Prof. R. E. Stucker.
1986. William Von Hugie. B.S. '81, M.S. '83, Utah State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Genotypic Interaction of Northern Soybeans to Row Spacings.
Major Adviser: Prof. J. H. Orf.
1986. Debra Metzger Lee. B.S. '81, Oregon State University; M.S. '83, University of Minnesota.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Kernel Number in Barley: Inheritance and Role in Yield Improvement.
Major Adviser: Prof. D. C. Rasmusson.
1986. Fredrick Muthoka Mutisya. B.S.Ag. '81, University of Nairobi.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Source Traits for the Genetic Improvement of Early Maturing Exotic Maize.
Major Adviser: Prof. J. L. Gadelmann.
1986. Susan Lee Neuhausen. B.S. with honor '78, M.S. '83, Michigan State University.
Major: Plant Breeding. Minor: Supporting Program. Thesis: Screening and Selection for Enhanced Dinitrogen Fixation in Soybean (Glycine Max (L.) Merrill) of Maturity Groups 0 and 00.
Major Advisers: Profs. P. H. Graham and J. H. Orf.

Plant Pathology

1976. John Albert Laurence. B.S. '71, Pennsylvania State University; M.S. '73, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Ozone: Transport from an Urban Area and Effects on Infection of Soybean and Wild Strawberry by Bacterial Plant Pathogens.
Major Adviser: Prof. F. A. Wood.
1976. Gloria Mae Nelson Warner. B.S. '49, St. Olaf College; M.S. '67, University of Minnesota.
Major: Plant Pathology. Minor: Botany. Thesis: Seasonal, Habitat, and Survival Studies of Fungi Carried by Migratory Birds.
Major Adviser: Prof. D. W. French.

Plant Pathology

1977. Robert Edwin Karl Kroll. B.S.'65, St. Cloud State College; M.S.'73, University of Minnesota.
Major: Plant Pathology. Minor: Entomology. Thesis: The Effect of Varietal Resistance and Fungicide Concentration on the Control of Potato Late Blight.
Major Adviser: Prof. C. J. Eide.
1977. Robert John Slattery. B.S.'66, University of Wisconsin; M.S.'68, University of Illinois.
Major: Plant Pathology. Minor: Horticulture. Thesis: Studies on the Prevalence and Survival of Verticillium spp. in Potato and Sunflower Stems.
Major Adviser: Prof. C. J. Eide.
1978. Dennis Allen Johnson. B.S.'74, Brigham Young University; M.S.'75, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: The Value and Inheritance of Slow Rusting in Barley Infected with Puccinia Hordei otth.
Major Adviser: Prof. R. D. Wilcoxson.
1978. David Stephen Lang. B.S.'70, M.S.'75, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Effects of Sulfuric Acid Aerosols on Vegetation.
Major Adviser: Prof. Thor Kommedahl.
1978. Elmer Lyle Schmidt. B.S. with high distinction '69, M.S.'75, University of Minnesota.
Major: Plant Pathology. Minor: Forestry. Thesis: Spore Production and Germination of Wood Decay Fungi In-Vitro and Their Application to Fungicide Evaluation of Wood Products.
Major Adviser: Prof. D. W. French.
1978. Joseph William Southern. B.S.Ag.'71, M.S.'74, University of Florida.
Major: Plant Pathology. Minor: Plant Breeding. Thesis: The Stability of the Slow Rusting Character in Nine Spring Wheat Varieties to Five Races of Puccinia Graminis Triticici in Four Minnesota Environments.
Major Adviser: Prof. R. D. Wilcoxson.
1979. Dale Roger Bergdahl. B.S.'66, M.S.'74, University of Minnesota.
Major: Plant Pathology. Minor: Entomology. Thesis: Penetration and Colonization of Pinus divaricata by Cronartium comandrae.
Major Adviser: Prof. D. W. French.
1979. Michael Paul Grisham. B.S.'70, Ouachita Baptist University; M.S.'73, University of Arkansas.
Major: Plant Pathology. Minor: Plant Breeding. Thesis: Variations in the Pathogenicity and Host Specificity of Isolates of Rhizoctonia Solani Associated with Carrots.
Major Adviser: Prof. N. A. Anderson.
1979. Winston Murry Hagler, Jr. B.S.'72, M.S.'74, Auburn University.
Major: Plant Pathology. Minor: Microbiology. Thesis: Characterization of Zearalenol from Fusarium roseum 'Gibbosum.'
Major Adviser: Prof. C. J. Mirocha.
1979. Ted Ray Knous. B.S.'72, M.S.'74, University of Nevada.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Implications of Phytosterols in Alfalfa Roots Associated with Phytophthora Root Rot.
Major Adviser: Prof. C. J. Mirocha.
1979. Nursamsi Pusposendjojo. B.A.'65, Master '70, Universitas Gadjah Mada.
Major: Plant Pathology. Minor: Botany. Thesis: Conidium Ontogeny of Botryodiplodia Theobromae Pat.
Major Advisers: Profs. E. L. Stewart and R. J. Zeyen.

Plant Pathology

1980. Lois E. B. Johnson. B.S.'74, M.S.'77, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: The
Relationship Between Fusarium Oxysporum F. SP. Medicaginis and
Corynebacterium Insidiosum in Alfalfa Roots.
Major Adviser: Prof. R. D. Wilcoxson.

1980. Gusti Sarbini. Ir.'68, Lambung Mankurat University; M.S.'76,
University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Rhizosphere
Effect in Relation to Biological Control of Phytophthora Root Rot of
Soybeans.
Major Adviser: Prof. Thor Kommedahl.

1980. Katharine Douglas Dawson Widin. B.A. cum laude '74, Kenyon College;
M.S.'77, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Ecology and
Host Effects of Soil Fungi Associated with Rhizobium Nodules of Soybean.
Major Adviser: Prof. B. W. Kennedy.

1980. Carol Elizabeth Schrenk Windels. B.A. '70, St. Cloud College;
M.S.'72, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Rhizosphere
Ecology and Disease Control in Pisum Sativum by Seed Treatment with
Penicillium Oxalicum.
Major Adviser: Prof. Thor Kommedahl.

1981. Frederick Anthony Baker, Jr. B.A. with high distinction '75,
University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Biology and
Control of the Eastern Dwarf Mistletoe.
Major Adviser: Prof. D. W. French.

1981. Edgardo Heriberto Hijano. Ingeniero Agronomo '73, Universidad
Nacional del Sur; M.S.'79, University of Minnesota.
Major: Plant Pathology. Minor: Plant Breeding. Thesis: Inheritance of
Fusarium Wilt in Alfalfa.
Major Adviser: Prof. F. I. Frosheiser.

1981. Laura Elizabeth Sweets. B.A.'74, Carleton College; M.S.'77,
University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Study of
Microorganisms Causing Storage Rot of Potatoes in Minnesota.
Major Adviser: Prof. H. L. Bissonnette.

1983. Markus Werner Andres. Diploma '78, Swiss Federal Institute of
Technology.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Latent
Period and Slow Rusting in the Hordeum Vulgare L.-Puccinia Hordei Otth
Host-Parasite System.
Major Adviser: Prof. R. D. Wilcoxson.

1983. Jennifer Juzwik. B.S. summa cum laude '76, Fairmont State College;
M.S.'78, Colorado State University.
Major: Plant Pathology. Minor: Entomology. Thesis: Factors Affecting
Overland Transmission of Ceratocystis Fagacearum In Minnesota.
Major Adviser: Prof. D. W. French.

1983. Roger Randall Musick. B.S.'74, M.S.'76, Oklahoma State University.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Studies on
Spot Blotch of Barley.
Major Adviser: Prof. R. D. Wilcoxson.

1983. Mary Egdaahl Palm. B.A.'76, St. Olaf College; M.S.'79, University of
Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: The Genus
Suillus Micheli Ex Adans. (Boletaceae, Basidiomycotina) in Minnesota.
Major Adviser: Prof. E. L. Stewart.

Plant Pathology

1983. Michael John Wingfield. B.S.'76, B.S. with honors '77, University of Natal; M.S.'79, University of Stellenbosch.
Major: Plant Pathology. Minor: Entomology. Thesis: Ecology of the Pine Wood Nematode, Bursaphelenchus xylophilus in the North Central United States.
Major Adviser: Prof. R. A. Blanchette.
1984. Yin-Won Lee. B.S.Ag.'74, M.S.Ag.'79, Seoul National University.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Characterization and Biological Activity of Mycotoxins from Fusarium Roseum 'Graminearum'.
Major Adviser: Prof. C. J. Mirocha.
1984. Carl Allen Matyac. B.A.'72, Capital University; B.S.Ag.'79, M.S.'81, University of Arizona.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Etiology, Ecology and Histology of Spacelotheca Reliana on Zea Mays.
Major Adviser: Prof. Thor Kommedahl.
1984. Rodney Harold Vargo. B.S.'73, Davis and Elkins College; M.S.'76, The Pennsylvania State University.
Major: Plant Pathology. Minor: Supporting Program. Thesis: An Enzyme-Linked Immunosorbent Assay (ELISA, EIA) for Bipolaris sorokiniana (Sacc. in Sorok.) Shoem. in Leaves of Hard Red Spring Wheat, Triticum aestivum L.
Major Adviser: Prof. D. W. French.
1985. Clint Louis Kohls. B.A.'79, Lawrence University.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Epidemiology, Yield Reductions and Field Surveys of Fungal Brown Spot of Cultivated Wild Rice.
Major Adviser: Prof. J. A. Percich.
1985. William Hunter Livingston. B.S. with high honor '76, Michigan Technological University; M.S. '78, University of Idaho.
Major: Plant Pathology. Minor: Plant Physiology. Thesis: Plant Growth Substances in Relation to Physiology and Control of Eastern Dwarf Mistletoe.
Major Advisers: Profs. R. A. Blanchette and D. W. French.
1985. Joseph Gordon O'Brien. B.S.For. '78, University of Michigan.
Major: Plant Pathology. Minor: Plant Physiology. Thesis: Studies on the Feasibility of Biological Control of Dutch Elm Disease.
Major Adviser: Prof. R. A. Blanchette.
1985. Marguerita Atwood Palmer. B.S. '74, University of California, Davis; M.S. '77, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Biology and Forest Tree Nursery Management of Sphaeropsis Sapinea in the North Central United States.
Major Adviser: Prof. E. L. Stewart.
1985. William Winthrop Shane. B.S. '77, Michigan State University; M.S. '80, North Carolina State University, Raleigh.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Population Dynamics of Pseudomonas Syringae Pv. Syringae and Crop Losses Associated with Xanthomonas Campestris on Spring Wheat.
Major Adviser: Prof. P. S. Teng.
1986. Therese Atcham. Ingenieur Agronome '78, Ecole Nationale Supérieure Agronomique; M.S. '83, University of Minnesota.
Major: Plant Pathology. Minor: Supporting Program. Thesis: Dual Transmission Of and Interference Between the Aster Yellows Mycoplasma-like Organism and the Oat Blue Dwarf Virus in the Aster Leafhopper, Macrostelus fascifrons (Stal).
Major Adviser: Prof. E. E. Banttari.

Plant Pathology

1986. Mohammed Boulif. Diplome d'Agronomie Generale '73, Diplome d'Ingenieur Agronome '75, Institut Agronomique et Veterinaire Hassas II. Major: Plant Pathology. Minor: Agronomy. Thesis: Pathogenic Specialization in Pyrenophora Graminea Ito & Kuribayashi and Inheritance of Resistance in Hordeum Vulgare L. to the Pathogen. Major Adviser: Prof. R. D. Wilcoxson.

1986. Kenneth Bjorn Johnson. B.S. with high distinction '79, University of Minnesota; M.S. '82, Oregon State University. Major: Plant Pathology. Minor: Supporting Program. Thesis: Systems Analysis and Modelling of Yield Loss in Potato Caused by Interacting Populations of Early Blight, Verticillium Wilt, and the Potato Leafhopper. Major Adviser: Prof. P. S. Teng.

Plant Physiology

1976. Allan James Ciha. B.S.'71, Iowa State University; M.S.'73, University of Minnesota. Major: Plant Physiology. Minor: Supporting Program. Thesis: Investigation of Possible Abscissic Acid Control of Nitrogen Fixation in Soybean Nodules. Major Adviser: Prof. W. A. Brun.

1976. Linda Louise Nustad. B.S. cum laude '72, Wisconsin State University; M.S.'75, University of Minnesota. Major: Plant Physiology. Minor: Supporting Program. Thesis: Studies on Nitrogen Assimilation of the Soybeans (Glycine max [L.] Merr.). Major Adviser: Prof. W. A. Brun.

1976. Jiwan Paul Palta. B.S.'66, M.S.'68, Punjab Agricultural University; M.S.'72, University of Minnesota. Major: Plant Physiology. Minor: Supporting Program. Thesis: Studies of Membrane Transport and Environmental Stress in Bulb Scale Cells of Allium cepa. Major Adviser: Prof. E. J. Stadelmann.

1977. William Ransome Gordon. B.S.'65, M.S.'71, Tuskegee Institute. Major: Plant Physiology. Minor: Supporting Program. Thesis: An Investigation of Phenylalanine Ammonia-Lyase During Growth and Development in Members of the Lemnaceae Under Varying Conditions of Axenic Culture. Major Adviser: Prof. W. L. Koukkari.

1978. Stephana Ae Ja Choong. B.A.'57, College of St. Benedict; M.S.'66, University of Minnesota. Major: Plant Physiology. Minor: Supporting Program. Thesis: The Water Permeability Constants of Allium Cepa Epidermis: A Comparison of the Plasmometric (Osmotic) and Diffusion Methods. Major Adviser: Prof. E. J. Stadelmann.

1979. Kenneth Armond Hibberd. B.S.'68, University of California, Riverside; M.S.'75, University of Minnesota. Major: Plant Physiology. Minor: Supporting Program. Thesis: Selection and Characterization of Amino Acid Overproducer Mutants in Maize Tissue Culture. Major Advisers: Profs. W. A. Brun and C. E. Green.

1979. Ponpimon Saengplong Suriyajantratong. B.S.'68, Khon Kaen University; M.S.'72, University of Kentucky. Major: Plant Physiology. Minor: Horticulture. Thesis: Growth of Petunia Leaf Discs in vitro as Affected by the Light Environment in Which Stock Plants Are Grown. Major Adviser: Prof. M. L. Brenner.

Plant Physiology

1980. Herman Carl Wenzler. B.S.'72, University of Arkansas; M.S.'74, University of Nebraska.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Mitochondrial Biogenesis During Fungal Spore Germination: Catalytic Activity, Composition, and Subunit Biosynthesis of Oligomycin-Sensitive ATPase in Botryodiplodia.
Major Adviser: Prof. R. M. Brambl.

1981. Hwei-Hwang Chen. B.S.'75, National Taiwan University; M.S.'79, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Adaptation of Crop Plants Temperature Extremes.
Major Adviser: Prof. Paul Li.

1981. Marilyn Griffith. A.B. magna cum laude '75, Mount Holyoke College; M.F.S.'77, Yale University.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Cold Acclimation and Freezing Injury in Winter Rye with Reference to Thylakoid Lipid and Protein Compositions and Leaf Suberin and Wax Development.
Major Adviser: Prof. G. N. Brown.

1981. Orville M. Lindstrom. B.A.'73, Bemidji State University; M.S.'77, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: The Effects of Sub-Zero Temperatures on Winter Rye and Potato Plants.
Major Adviser: Prof. J. V. Carter.

1982. Elizabeth Ann Bray. A.B.'76, Mount Holyoke College; M.S.'78, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: The Involvement of Abscissic Acid in the Cold Acclimation of Cornus Sericea L.
Major Adviser: Prof. M. L. Brenner.

1982. Randall Gene Groat. B.S.'75, M.S.'78, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Host Plant Metabolism of Symbiotically Fixed Nitrogen in Alfalfa (Medicago sativa L.) Root Nodules.
Major Adviser: Prof. C. P. Vance.

1982. Gregory Charles Pratt. B.S. magna cum laude '77, M.A.'80, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Effects of Ozone and Sulfur Dioxide on Soybeans.
Major Adviser: Prof. S. V. Krupa.

1982. James Michael Skuzeki. B.S.'77, Oregon State University.
Major: Plant Physiology. Minor: Supporting Program. Thesis: A Family of Wheat Embryo U2-Like Small Nuclear RNAs.
Major Adviser: Prof. J. J. Jendrisak.

1983. Mohamed Abdelmonem Elakkad. B.S.'59, M.S.'65, University of Cairo.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Environmental Stresses Induced by Natural Weed Infestations and Their Effects on Corn and Soybeans.
Major Adviser: Prof. R. S. Adams.

1983. Anne Skjaerlund Fege. B.A. cum laude '73, Kalamazoo College; M.F.S.'75, Yale University.
Major: Plant Physiology. Minor: Forestry. Thesis: Carbohydrate Distribution Patterns in Populus Hardwood Cuttings.
Major Adviser: Prof. G. N. Brown.

1983. Blaik Halling. B.S. magna cum laude '78, University of Minnesota.
Major: Plant Physiology. Minor: Supporting Program. Thesis: Investigations on the Mechanism of Action of Difenzoquat.
Major Adviser: Prof. Richard Behrens.

Plant Physiology

1983. Josephine C. Heindl. B.A. summa cum laude '78, Case Western Reserve University; M.S.'80, University of Minnesota.

Major: Plant Physiology. Minor: Supporting Program. Thesis: Light Regulation of Abscission and ¹⁴C-Photoassimilate Partitioning Among Soybean Reproductive Structures.

Major Adviser: Prof. W. A. Brun.

1983. Thomas C. Kosier. B.S.'75, University of Florida.

Major: Plant Physiology. Minor: Supporting Program. Thesis: The Isolation and Biochemical Characterization of Tuberin.

Major Adviser: Prof. S. L. Desborough.

1983. Neil Edward Olszewski. B.S. cum laude '76, University of New Hampshire.

Major: Plant Physiology. Minor: Supporting Program. Thesis: A Minichromosome of Cauliflower Mosaic Virus DNA.

Major Adviser: Prof. T. J. Guilfoyle.

1984. Mich Bradley Hein. B.S. with honor '76, Ohio University; M.S.'80, University of Minnesota.

Major: Plant Physiology. Minor: Supporting Program. Thesis: An Assessment of the Concentrations and Transport of Abscissic Acid and Indole-3-Acetic Acid in Relation to Reproductive Development of Soybean (Glycine Max).

Major Adviser: Prof. M. L. Brenner.

1984. Jane Adams Smith. B.A.'59, University of Texas, Austin; M.S.'82, University of Minnesota.

Major: Plant Physiology. Minor: Genetics. Thesis: Seed Formation in Inter-and Intra-Specific Hybrids of Solanum Species.

Major Adviser: Prof. S. L. Desborough.

1985. Jeffrey Lynn Tate. B.S. '80, University of Minnesota.

Major: Plant Physiology. Minor: Plant Pathology. Thesis: Plasma Membrane Adenosine Triphosphatase Activity and Adenylate Energy Charge of Phaseolus Vulgaris L. Pulvini in Relation to Circadian Leaf Movements.

Major Adviser: Prof. W. L. Koukkari.

1985. Gary Lynn Yarrow. B.S. '77, South Dakota State University; M.S. '79, Ohio State University.

Major: Plant Physiology. Minor: Supporting Program. Thesis: The Involvement of Abscissic Acid in Correlative Control of Flower Abscission in Soybean.

Major Adviser: Prof. W. A. Brun.

1986. Stephen Michael Griffith. B.S. '80, M.S. '83, Utah State University.

Major: Plant Physiology. Minor: Supporting Program. Thesis: Characteristics of In Vitro Sugar Transport Into the Developing Maize Endosperm and Embryo.

Major Advisers: Profs. R. J. Jones and M. L. Brenner.

Soil Science

1976. John Walter Enz. B.S.'68, University of Wisconsin, Stevens Point; M.S.'71, University of Minnesota.

Major: Soil Science. Minor: Supporting Program. Thesis: The Influence of Climatological Variables on Crop Production in Southern Minnesota.

Major Adviser: Prof. D. G. Baker.

1977. Basawan Prasad. B.S.Ag.'61, University of Gorakhpur; M.S.'69, Indian Agricultural Research Institute.

Major: Soil Science. Minor: Plant Physiology. Thesis: Charge Characteristics and Phosphorus Adsorption on Ferruginous Soils and Synthetic Iron Oxides.

Major Adviser: Prof. R. G. Gast.

Soil Science

1978. Jon Edwin Barber. B.A.'57, Greenville College; M.S.'60, University of Wisconsin; M.A.T.'65, Colorado State University.
Major: Soil Science. Minor: Supporting Program. Thesis: A Search for DDT in Alaskan Glaciers.
Major Adviser: Prof. R. S. Adams, Jr.
1978. James Lyle Brown. B.S.'67, M.S.'72, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: Precipitation of Calcium Orthophosphate at Slightly Alkaline pH.
Major Adviser: Prof. R. S. Farnham.
1978. Richard Marvin Cruse. B.S.Agron.'72, Iowa State University; M.S.'75, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: A Computer Simulation Model to Predict Tillage Effects on Soil Temperature.
Major Adviser: Prof. W. E. Larson.
1978. William Conrad Lindemann. B.S.'70, Southern Illinois University; M.S.'74, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: The Effects of Wheel Traffic Compaction, Tillage, and Temperature on Nodulation and Nitrogen Fixation in Soybeans.
Major Adviser: Prof. G. E. Ham.
1979. Craig K. Kvien. B.S.'73, Western Illinois University; M.S.'75, Southern Illinois University.
Major: Soil Science. Minor: Supporting Program. Thesis: Soybean Genotype as a Factor in Recovery of Introduced Rhizobium Japonicum Strains.
Major Adviser: Prof. G. E. Ham.
1979. Dennis Robert Linden. B.S. with high distinction '68, M.S.'70, Colorado State University.
Major: Soil Science. Minor: Supporting Program. Thesis: A Model to Predict Soil Water Storage as Affected by Tillage Practices.
Major Adviser: Prof. W. E. Larson.
1980. Clark James Gantzer. B.S. with high distinction '74, M.S.'76, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: Physical and Morphological Investigations of Surface Seal Formation on Selected Soils.
Major Adviser: Prof. G. R. Blake.
1980. Harjowigeno Sarwono. Ir.'71, Institut Pertanian Bogor; M.S.'77, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: Characterization of Soils with Gypsum Concentration and Their Influence on Crop Productivity in Redwood County, Minnesota.
Major Adviser: Prof. R. H. Rust.
1980. Donavon H. Taylor. B.S. magna cum laude '75, Brigham Young University; M.S.'78, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: Utility of Laboratory-Packed Samples for Assessment of Sand-Soil-Peat Mixtures for Sports Turf Areas.
Major Adviser: Prof. G. R. Blake.
1980. Donald Ralph Timmons. B.S.'53, M.S.'57, University of Wisconsin.
Major: Soil Science. Minor: Supporting Program. Thesis: Effect of Fertilization Method and Supplemental Irrigation on Nitrogen Utilization and Leaching Losses.
Major Adviser: Prof. W. E. Larson.
1981. Allan Wayne Cattanaach. B.S.'68, University of Wisconsin; M.S.'73, North Dakota State University.
Major: Soil Science. Minor: Supporting Program. Thesis: Nitrogen Uptake by Wheat as Affected by Soil Type, Time and Rate of Fertilizer Application.
Major Adviser: Prof. A. C. Caldwell.

Soil Science

1981. Temitope Abayomi Okusami. B.S.'69, M.Phil., '72, University of Ife.
Major: Soil Science. Minor: Supporting Program. Thesis: Land and
Pedogenetic Characterization of Selected Wetland in West Africa with
Emphasis for Rice Production.
Major Adviser: Prof. R. H. Rust.
1981. Warren David Poole. B.A.'73, LeTourneau College; M.S.'75, Texas A&M
University.
Major: Soil Science. Minor: Supporting Program. Thesis: Foliar
Fertilization of Soybeans During Podfill.
Major Adviser: Prof. G. E. Ham.
1981. Francoise Marie Robert. License '64, Agregation '65, Universite de
L'Etat a Liege; M.S.'76, University of Minnesota.
Major: Soil Science. Minor: Supporting Program. Thesis: Persistence of
Rhizobium Phaseoli in Soil and Rhizosphere as Studied by Immunofluorescence.
Major Adviser: Prof. E. L. Schmidt.
1981. Stephen Delamar Sparrow, Jr. B.S.'69, North Carolina State
University; M.S.'73, Colorado State University.
Major: Soil Science. Minor: Supporting Program. Thesis: Survival of
Rhizobium Phaseoli in Inoculants and Inoculation of Field Grown Navy Beans.
Major Adviser: Prof. G. E. Ham.
1981. Bruce LaRue Vasilas. B.S. cum laude '76, M.S.'78, University of
Maryland.
Major: Soil Science. Minor: Supporting Program. Thesis: A Tracer
Technique for the Quantitative Measurement of Symbiotic Dinitrogen Fixation
by Soybeans in Field Studies.
Major Advisers: Profs. E. L. Schmidt and G. E. Ham.
1982. William Ray Ellis. B.A. cum laude '75, Fresno State College;
M.S.'78, Washington State College.
Major: Soil Science. Minor: Supporting Program. Thesis: Inoculum
Persistence and Rhizosphere Competence of Rhizobium Japonicum.
Major Adviser: Prof. G. E. Ham.
1982. Pierre Camille Robert. Licence '63, Universite' de l'Etat a Liege.
Major: Soil Science. Minor: Supporting Program. Thesis: Evaluation of
Some Remote Sensing Techniques for Soil and Crop Management.
Major Adviser: Prof. R. H. Rust.
1983. James Charles Balogh. B.A. magna cum laude '75, St. John's
University; M.S.'79, University of Minnesota.
Major: Soil Science. Minor: Forestry. Thesis: Tall Shrubs in Northern
Minnesota.
Major Adviser: Prof. D. F. Grigal.
1983. Richard Eric Engel. B.S.'75, University of Maine.
Major: Soil Science. Minor: Supporting Program. Thesis: Use of Cooling
Tower Water From Electrical Power Plants for Irrigation in Minnesota.
Major Advisers: Profs. W. E. Larson and G. L. Malzer.
1984. James Robert Crum. B.S.'76, M.S.'79, Purdue University.
Major: Soil Science. Minor: Supporting Program. Thesis: Soils and Till
Stratigraphy of West-Central Minnesota.
Major Adviser: Prof. R. H. Rust.
1984. Patrick Joseph McGinnity. B.S. with distinction '77, University of
Minnesota; M.S.'79, Southern Illinois University.
Major: Soil Science. Minor: Supporting Program. Thesis: Soybean
Genotype as a Determinant in Inoculum Recovery.
Major Advisers: Profs. E. L. Schmidt and G. W. Ham.

Soil Science

1984. Washington A. Padilla. Ing. Agr. '72, Central University of Ecuador; M.S. '76, North Carolina State University.

Major: Soil Science. Minor: Supporting Program. Thesis: Relationship Between Erosion and Soil Physical Properties of Temperate and Tropical Soils.

Major Adviser: Prof. W. E. Larson.

1984. Francis John Pierce. B.S. magna cum laude '76, State University of New York at College Brockport; M.S. '80, University of Minnesota.

Major: Soil Science. Minor: Statistics. Thesis: Assessing Soil Productivity in Relation to Land Use and Conservation.

Major Advisers: Profs. W. E. Larson and R. H. Dowdy.

1984. Brenton Scott Sharratt. B.S. '78, Utah State University.

Major: Soil Science. Minor: Supporting Program. Thesis: Influence of the Winter and Growing Season Environments in the Production of Alfalfa.

Major Adviser: Prof. D. G. Baker.

1984. Daniel Thomas Walters. B.S. '74, M.S. '75, University of Illinois.

Major: Soil Science. Minor: Supporting Program. Thesis: A Nitrogen Balance Study on the Effectiveness of Nitrpyrin as Influenced by Incorporation on Irrigated Maize.

Major Advisers: Profs. G. L. Malzer and W. E. Larson.

1985. Abdelali Hilali. Diplome d'Agronomie Generale, Institut Agronomique Generale.

Major: Soil Science. Minor: Microbiology. Thesis: Establishment, Survival and Effectiveness of Selected Strains of Rhizobium Phaseoli in a Moroccan Coastal Acidic Soil.

Major Adviser: Prof. J. A. Molina.

1985. William Parks Inskeep. B.S. Soil Sci. summa cum laude '79, University of Idaho; M.S. '81, Oregon State University.

Major: Soil Science. Minor: Chemistry. Thesis: Factors Controlling Soil Solution Chemistry and Soybean Chlorosis in Calciaquolls.

Major Adviser: Prof. P. R. Bloom.

1985. William Edward Jokela. B.A. cum laude '69, Carleton College; M.S. '78, University of Minnesota.

Major: Soil Science. Minor: Supporting Program. Thesis: Corn Production and Fate of Fertilizer Nitrogen as Affected by Time and Rate of Nitrogen Application.

Major Advisers: Profs. G. W. Randall and W. E. Larson.

1985. Thomas John Malterer. B.A. '71, M.A. '73, University of Minnesota.

Major: Soil Science. Minor: Supporting Program. Thesis: The Genesis and Characterization of Some Calcareous Peatlands in West-Central Minnesota.

Major Advisers: Profs. R. H. Rust and R. S. Farnham.

1985. Abdelaziz Merzouk. Diplome d'Agronomie Generale '75, Institut Agronomique et Veterinaire Hassan II; M.S. '77, University of Minnesota.

Major: Soil Science. Minor: Agricultural Engineering. Thesis: Relative Erodibility of Nine Selected Moroccan Soils as Related to Their Physical, Chemical and Mineralogical Properties.

Major Adviser: Prof. G. R. Blake.

1986. John Laurence Culley. B.S. '72, M.S. '76, McGill University.

Major: Soil Science. Minor: Supporting Program. Thesis: Water Regimes and Shear Strengths of a Typic Haplaquoll Under Conventional- and No-Tillage.

Major Adviser: Prof. W. E. Larson.

Wildlife

1976. Erik Kenneth Fritzell. B.S.'68, University of North Dakota; M.S.'72, Southern Illinois University.
Major: Wildlife. Minor: Supporting Program. Thesis: Social Organization and Ecology of Raccoons in North Dakota.
Major Adviser: Prof. D. B. Siniff.

1976. Brentt George Ramharter. B.S.'71, University of Wisconsin.
Major: Wildlife. Minor: Supporting Program. Thesis: Habitat Selection by Female Sharptailed Grouse (Pedioecetes phasianellus) During Nesting and Brood Rearing in a Brush-Prairie.
Major Adviser: Prof. W. H. Marshall.

1976. Michael Chester Zicus. B.S. with highest distinction '70, University of Maine; M.S.'74, University of Minnesota.
Major: Wildlife. Minor: Supporting Program. Thesis: Fall Sociology and Flock Behavior of a Flock of Canada Geese Resident at Crex Meadows, Wisconsin.
Major Adviser: Prof. W. H. Marshall.

1977. Reed Louis Hoskinson. B.A.'66, University of Iowa; M.S.'75, University of Minnesota.
Major: Wildlife. Minor: Supporting Program. Thesis: Migration Behavior of Pronghorn Antelope and Summer Movements and Fall Migration of Pronghorn Fawns in Southwestern Idaho.
Major Adviser: Prof. J. R. Tester.

1977. Joel Vernon Kussman. B.S.'63, St. John's University; M.A.'68, St. Cloud State College.
Major: Wildlife. Minor: Ecology. Thesis: Population Dynamics and Post-Fledging Behavior of the Northern Bald Eagle, Haliaeetus leucocephalus alascanus Townsend, in the Chippewa National Forest, Minnesota.
Major Adviser: Prof. L. D. Frenzel.

1978. Terry William Little. B.A. cum laude '68, Luther College; M.S.'72, Iowa State University.
Major: Wildlife. Minor: Supporting Program. Thesis: Populations, Distributions and Habitat Selection by Drumming Male Ruffed Grouse in Central Minnesota Prior to Clearcutting.
Major Adviser: Prof. W. H. Marshall.

1978. Ralph Otto Morgenweck. B.A. with honors '69, M.A.'71, St. Cloud State College.
Major: Wildlife. Minor: Supporting Program. Thesis: Habitat Utilization of Female American Woodcock in Northeastern Minnesota During Late Summer and Fall and Behavior of American Woodcock During Crepuscular Activity Periods.
Major Adviser: Prof. W. H. Marshall.

1979. Melvin Eugene Sunquist. B.S.'65, M.S.'70, University of Minnesota.
Major: Wildlife. Minor: Supporting Program. Thesis: The Movements and Activities of Tigers (Panthera tigris tigris) in Royal Chitawan National Park, Nepal.
Major Adviser: Prof. D. B. Siniff.

1981. Michel Crete. B.S.'71, M.S.'73, Laval University.
Major: Wildlife. Minor: Supporting Program. Thesis: Population Dynamics of Moose (Alces Alces Americana) in Southwestern Quebec.
Major Adviser: Prof. P. A. Jordan.

1981. James Dempsey Fraser. B.S.'68, State University of New York Maritime College; B.S.'74, University of Idaho.
Major: Wildlife. Minor: Supporting Program. Thesis: The Breeding Biology and Status of the Bald Eagle on the Chippewa National Forest.
Major Adviser: Prof. L. D. Frenzel.

Wildlife

1982. Gary Norman Back. B.S. magna cum laude '73, West Virginia University; M.S.'76, University of Vermont.
Major: Wildlife. Minor: Supporting Program. Thesis: Impacts of a Ruffed Grouse-Pulpwood Management Program on Bird Population and Diversity.
Major Adviser: Prof. M. W. Weller.

1983. David Lance Garshelis. B.A.'75, University of Vermont; M.S.'78, University of Tennessee.
Major: Wildlife. Minor: Supporting Program. Thesis: Ecology of Sea Otters in Prince William Sound, Alaska.
Major Adviser: Prof. D. B. Siniff.

1984. William Leo Hohman. B.S.'73, St. John's University; M.S.'77, University of North Dakota.
Major: Wildlife. Minor: Supporting Program. Thesis: Aspects of the Breeding Biology of Ring-Necked Ducks (Aythya collaris).
Major Adviser: Prof. M. W. Weller.

1984. James L.D. Smith. B.A.'66, Furman University; M.S.'76, University of Minnesota.
Major: Wildlife. Minor: Supporting Program. Thesis: Dispersal, Communication, and Conservation Strategies for the Tiger (Panthera tigris) in Royal Chitwan National Park, Nepal.
Major Adviser: Prof. P. A. Jordan.

Zoology

1976. John Frank Barker. B.S.'64, M.A.'67, University of Wisconsin.
Major: Zoology. Minor: Supporting Program. Thesis: On the Neuroendocrinology of Reproduction and Migration in the Monarch Butterfly, Danaus Plexippus.
Major Adviser: Prof. W. S. Herman.

1976. Mark Stephen Ellinger. B.A. magna cum laude '71, Augsburg College.
Major: Zoology. Minor: Supporting Program. Thesis: The Cell Cycle and Transplantation of Early Embryonic Nuclei in Bombina Orientalis.
Major Adviser: Prof. R. G. McKinnell.

1976. Patricia Louise Fleming. B.A. with highest honors '66, Bethel College.
Major: Zoology. Minor: Botany. Thesis: A Study of the Distribution and Ecology of Rana Clamitans Latreille.
Major Adviser: Prof. J. C. Underhill.

1976. Owen Marshall. B.S.'64, University of Wisconsin.
Major: Zoology. Minor: Entomology. Thesis: Seasonal Changes in a Grassland Invertebrate Community.
Major Adviser: Prof. W. D. Schmid.

1977. John Thomas Carlson. B.A. cum laude '66, Carleton College.
Major: Zoology. Minor: Supporting Program. Thesis: Nuclear Transfer in Bombina.
Major Adviser: Prof. R. G. McKinnell.

1977. Susan Jan Tessmer Coiner. B.A.'68, University of Northern Iowa; M.S.'74, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: A Comparison of Seasonal Patterns in Epithelial Sodium Transport Among Three Species of Ranid Frogs from Different Habitats.
Major Adviser: Prof. W. D. Schmid.

1977. James Eldred Erickson. B.A. magna cum laude '71, North Park College; M.S.'74, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Life History of the Banded Darter, Etheostoma zonale zonale (Cope), in the Cannon River, Minnesota.
Major Adviser: Prof. J. C. Underhill.

Zoology

1977. Virginia Ann Moyle Pezalla. B.A.'68, M.S.'73, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Behavioral Ecology of a Dragonfly Libellula pulchella.
Major Adviser: Prof. W. D. Schmid.
1977. Louise Ann Rollins. B.A.'69, Hamline University; M.S.'72, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Influence of Corticosteroids on the Survival and Growth of Anterior-Eye-Chamber Implants of the Lucke Renal Adenocarcinoma.
Major Adviser: Prof. R. G. McKinnell.
1977. Richard John Trdan. B.A. with honors '69, St. Cloud State College; M.S.'73, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Glochidia of Lampsilis radiata siliquoidea (Barnes) and Their Relationship to Their Vertebrate Hosts.
Major Adviser: Prof. F. G. Wallace.
1978. Dale Christofer Pederson. B.A.'70, Augsburg College.
Major: Zoology. Minor: Supporting Program. Thesis: The Development of Metabolite Transfer Between Reaggregating Novikoff Hepatoma Cells.
Major Adviser: Prof. J. C. Sheridan.
1979. Robert Michael Dores. B.A.'72, College of St. Thomas; M.S.'74, University of San Francisco.
Major: Zoology. Minor: Supporting Program. Thesis: The Isolation of Arthropod Chromatophorotropic Polypeptides.
Major Adviser: Prof. W. S. Herman.
1979. Catherine G. Dougherty Johnson. B.A.'54, College of St. Catherine; M.S.'74, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Accessory Reproductive Glands of the Male Monarch Butterfly, Danaus plexippus: Their Development, Fine Structure and Biochemistry.
Major Adviser: Prof. W. S. Herman.
1979. Donald Roger King. B.A.'63, Franklin and Marshall College; M.S.'65, Rutgers University.
Major: Zoology. Minor: Genetics. Thesis: Banding Studies of Chromosomes from Cultured Leopard Frog Blood.
Major Adviser: Prof. R. G. McKinnell.
1979. Richard E. Lee, Jr. B.A.'73, College of Wooster; M.S.'76, University of Minnesota.
Major: Zoology. Minor: Entomology. Thesis: Lady Beetles: 1. Lake Shore Aggregations and 2. Physiological Adaptations in Relation to Hibernaculum.
Major Adviser: Prof. W. D. Schmid.
1979. Robert Eugene Muller. B.A.'65, M.S.'69, University of Minnesota.
Major: Zoology. Minor: Ecology. Thesis: The Effect of Prolactin on the Parental Behavior of the Cichlid Fish, Cichlasoma nigrofasciatum (Gunther).
Major Adviser: Prof. W. D. Schmid.
1980. Marjorie Rose Collings Hall. B.S.'68, Indiana University.
Major: Zoology. Minor: Ecology. Thesis: Genetic Differentiation Within the Tropical Land Crab Family Gecarcinidae.
Major Adviser: Prof. F. H. Barnwell.
1980. David Michael Larson. B.S. magna cum laude '72, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: Junctional Transfer of Small Molecules in Cultured Vascular Endothelium.
Major Adviser: Prof. J. D. Sheridan.

Zoology

1980. Charles Allan Lessman. B.A.'70, M.S.'75, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Biology of Hemolymph Juvenile Hormone in the Adult Monarch (Danaus P. Plexippus: Lepidoptera).
Major Adviser: Prof. W. S. Herman.
1980. Carl Leo Thurman, II. B.S.'69, University of Houston; M.S.'73, University of West Florida.
Major: Zoology. Minor: Supporting Program. Thesis: Fiddler Crabs of the Gulf of Mexico.
Major Adviser: Prof. F. H. Barnwell.
1981. Phillip Thomas Barnes. B.S. summa cum laude '75, Xavier University.
Major: Zoology. Minor: Supporting Program. Thesis: The Types of Selection Maintaining an Inversion-Allozyme Polymorphism in Two DDT Resistant Populations of Drosophila melanogaster.
Major Adviser: Prof. D. J. Merrell.
1981. James Louis Howitz. B.A. summa cum laude '71, College of St. Thomas; M.S.'76, University of Minnesota.
Major: Zoology. Minor: Ecology. Thesis: A Population Study of the Black-Capped Chickadee.
Major Adviser: Prof. W. D. Schmid.
1981. Jerry Lyn Stumpf. A.B.'67, Miami University.
Major: Zoology. Minor: Supporting Program. Thesis: The Leucocytic Response as a Manifestation of Cellular Immunity in Biomphalaria Glabrata (Say).
Major Adviser: Prof. D. E. Gilbertson.
1982. Jay Tudor Hatch. B.A. with distinction '71, M.A.'73, DePauw University.
Major: Zoology. Minor: Supporting Program. Thesis: Life History of the Gilt Darter, Percina evides (Jordan and Copeland), in the Sunrise River, Minnesota.
Major Adviser: Prof. J. C. Underhill.
1982. Judith Cairncross Helgen. B.A. cum laude '60, Mount Holyoke College; M.A.'61, Columbia University.
Major: Zoology. Minor: Supporting Program. Thesis: Effects of Crowding on Reproduction and Feeding Rates in the Cladoceran Daphnia pulex Leydig.
Major Adviser: Prof. J. C. Underhill.
1983. Patricia Rae Lewis. B.A.'68, Beloit College.
Major: Zoology. Minor: Supporting Program. Thesis: Amnion and Yolk Sac Permeability as Related to Initiation of Parturition in the Rat.
Major Adviser: Prof. W. D. Schmid.
1983. Mario Alberto Ramos Olmos. Biologo '74, La Universidad Nacional Autonoma de Mexico; M.S.'77, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: Ecological Behavior of Avian Population Movements at a Tropical Study Site.
Major Adviser: Prof. D. W. Warner.
1983. Carol Lucille Williams. B.A.'77, University of Iowa.
Major: Zoology. Minor: Supporting Program. Thesis: Relationships Between Rhythms of Cercarial Emergence of Schistosoma mansoni from Biomphalaria glabrata and Rhythmic Activity of the Snail Host.
Major Adviser: Prof. D. E. Gilbertson.
1984. Susan Jean Busch. B.A. magna cum laude '75, Gustavus Adolphus College; M.S.'77, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Winter Biology of a Terrestrial Isopod, Tracheoniscus Rathkei (Brandt).
Major Adviser: Prof. W. D. Schmid.

Zoology

1984. Michael D. Carter. B.S. magna cum laude '76, University of Cincinnati; M.S. '78, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: The Social Organization and Parasitic Behavior of the Bronzed Cowbird in South Texas.
Major Adviser: Prof. D. W. Warner.
1984. Thomas Richard Fritsche. B.S. '73, M.S. '75, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: Host Parasite Interactions of Cotylurus flabelliformis (Faust, 1917) (Trematoda: Strigeidae) in Normal and Aberrant Molluscan Hosts.
Major Adviser: Prof. D. E. Gilbertson.
1984. Gordon Gust Florin, Jr. B.S. '75, University of Minnesota.
Major: Zoology. Minor: Biometry and Health Information Systems. Thesis: Statistical Analysis and Computer Modeling of the Swimming of Miracidia of the Human Blood Fluke, Schistosoma Mansoni.
Major Adviser: Prof. D. E. Gilbertson.
1985. Donna Kathleen Onstott. B.A. with high honor '67, Michigan State University; M.S. '71, Case Western Reserve University; M.S. '79, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: Immunohistochemical Studies of the Caudal Neurosecretory System of Fishes.
Major Adviser: Prof. R. P. Elde.
1985. Michael Don Van Norstrand. B.S. '74, University of Minnesota.
Major: Zoology. Minor: Supporting Program. Thesis: Peptides with Hyperglycemic Activity from the Cephalic Neuroendocrine System of Apis mellifera: Biochemical Characterization and Comparison with Prawn Red Pigment-Concentrating Hormone and Locust Adipokinetic Hormone.
Major Adviser: Prof. W. S. Herman.

SOCIAL SCIENCES POLICY AND REVIEW COUNCIL

Agricultural and Applied Economics

1982. Luther Upton Hatch. B.A.'72, Dartmouth College.
Major: Agricultural and Applied Economics. Minor: Supporting Program.
Thesis: The Effect of Environmental Protection Agency Regulation on
Research and Development in the Pesticide Industry.
Major Adviser: Prof. V. W. Ruttan.
1982. Gunawan Sumodiningrat. Sarjana '74, Gadjah Mada University;
M.Econ.'77, Thammasat University.
Major: Agricultural and Applied Economics. Minor: Supporting Program.
Thesis: Varietal Choice and Input Demand in Rice Production in Indonesia.
Major Adviser: Prof. D. E. Welsch.
1983. Prantosh Nag. M.S.'64, University of Minnesota.
Major: Agricultural and Applied Economics. Minor: Agricultural
Education. Thesis: A Study of Apparent Irrationality in the Production
Behavior of Rice Farmers in West Bengal, India: A Case Study.
Major Adviser: Prof. W. L. Peterson.
1983. Richard Michael Todd. B.A.'73, Stanford University; M.S.'77,
University of Minnesota.
Major: Agricultural and Applied Economics. Minor: Economics and
Mathematics. Thesis: An Equilibrium Model of Seasonal and Cyclical
Fluctuations in the Corn-Soybean-Hog Sector.
Major Adviser: Prof. T. L. Roe.
1984. Wayne M. Gineo. B.S. cum laude '74, University of New Hampshire;
M.S.'81, University of Connecticut.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis:
Agricultural Income Insurance: A Policy Alternative.
Major Adviser: Prof. J. P. Houck.
1985. Terry Neil Brownschidle. B.S. '73, Cornell University.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis:
An Evaluation of the Economic Incentives of Water Use Charges for Producers
Under Uncertainty.
Major Adviser: Prof. V. R. Eidman.
1985. Geraldo Magela Calegar. Engenheiro '74, Mestrado '76, Universidade
Federal de Vicosa.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis:
Brazilian Wheat Policy and Its Income Distribution and Trade Effects: A
Case Study.
Major Adviser: Prof. G. E. Schuh.
1985. Harry Mason Kaiser. B.A. magna cum laude '79, University of
Wisconsin, Eau Claire; M.S. '81, University of Minnesota.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis:
An Analysis of Farm Commodity Programs as Risk Management Strategies for
Minnesota Corn-Soybean Producers.
Major Adviser: Prof. Jeffrey Apland.
1985. Carlos Augusto Mattos Santana. Bacharel '77, Universidade Catolica
de Goias; M.S. '80, University of Wyoming.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis:
The Impact of Economic Policies on the Soybean Sector of Brazil: An
Effective Protection Analysis.
Major Adviser: Prof. G. E. Schuh.

Agricultural and Applied Economics

1985. Jean Cecele Sussman. A.B. '73, University of Michigan; M.A. '77, University of Texas.
Major: Agricultural and Applied Economics. Minor: Supporting Program.
Thesis: A Comparison of Part-Time and Full-Time Agricultural Operations in Dodge County, Minnesota.
Major Advisers: Profs. W. L. Peterson and P. M. Raup.

1985. Lung-Fai Wong. B.A. '79, University of Wisconsin, Eau Claire; M.S. '81, University of Minnesota.
Major: Agricultural and Applied Economics. Minor: Economics. Thesis: A Comparative Analysis of Agricultural Productivity Growth Among Socialist Countries.
Major Adviser: Prof. V. W. Ruttan.

Agricultural Economics

1976. Louis Pascal Mahe. Baccalaureat '61, Universite de Rennes; Diplome '66, Ecole Nationale Supérieure Agronomique de Rennes.
Major: Agricultural Economics. Minor: Economics. Thesis: An Econometric Analysis of the Hog Cycle in France in a Simultaneous Cobweb Framework and Welfare Implications.
Major Adviser: Prof. L. R. Martin.

1976. Abner W. Womack. B.S. '64, M.S. '66, Auburn University.
Major: Agricultural Economics. Minor: Economics. Thesis: Domestic Demand for U. S. Feed Grains--An Econometric Analysis.
Major Adviser: Prof. J. P. Houck.

1976. Roberto Cristian Zegers Prado. Ing.Ag. '64, Universidad Catolica de Chile; M.S. '68, North Dakota State University.
Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Milk Production in Southern Chile.
Major Adviser: Prof. M. E. Abel.

1977. David Earl Cummins. B.S. Agr. cum laude '60, M.S. '62, Ohio State University.
Major: Agricultural Economics. Minor: Economics. Thesis: Resource Productivity on Grade A Dairy Farms in the Twin Cities Milk Marketing Area.
Major Adviser: Prof. H. R. Jensen.

1977. Chaiwat Konjing. B.S.Econ. & Coop. with honor '65, Kasetsart University; M.S. '70, Michigan State University.
Major: Agricultural Economics. Minor: Economics. Thesis: Thailand's Maize Export Agreement Policy: An Economic Analysis.
Major Adviser: Prof. J. P. Houck.

1977. Khaisri Srisawasdi Konjing. B.S. honour '68, Kasetsart University; M.S. '70, Michigan State University.
Major: Agricultural Economics. Minor: Supporting Programs. Thesis: An Analysis of the Economic Performance of the U.S. Corn Futures Market.
Major Adviser: Prof. R. P. Dahl.

1977. William Henry Meyers. B.A. '63, Goshen College.
Major: Agricultural Economics. Minor: Economics. Thesis: Long Run Income Growth and World Grain Demand: An Econometric Analysis.
Major Adviser: Prof. W. W. Cochrane.

1977. John David Spriggs. B.Ag.Ec. with honours '70, University of New England.
Major: Agricultural Economics. Minor: Economics. Thesis: Econometric Analysis of the Factors Affecting Australia's Grain Export.
Major Adviser: Prof. J. P. Houck.

Agricultural Economics

1978. Shin Haeng Huh. B.S. in Ag.'66, Seoul National University; M.A.'74, Western Illinois University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: The Preventive and the Incidental Demands for Pesticides: An Economic Analysis of the Demand for Herbicides and Insecticides Used by Selected Corn Producers in Minnesota.
Major Adviser: Prof. D. C. Dahl.
1978. Michael Vernon Martin. B.S.'69, M.A.'71, Mankato State College.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: An Estimation of the Social Cost of Regulated Value-of-Service Wheat and Barley Rail Rates for Shipment in the Upper Midwest.
Major Adviser: Prof. R. P. Dahl.
1978. Timothy John Ryan. B.Ag.Sci.'69, M.Ag.Sci.'72, University of Melbourne.
Major: Agricultural Economics. Minor: Economics. Thesis: Commodity Price Determination and Transmission: An Analysis of the Farm-Retail Pricing of U.S. Beef.
Major Adviser: Prof. J. P. Houck.
1979. Jeffrey Stuart Davis. B.Ag.Ec.'70, University of New England; M.Ec.'75, MacQuarie University.
Major: Agricultural Economics. Minor: Economics. Thesis: Stability of the Research Production Coefficient for U.S. Agriculture.
Major Adviser: Prof. W. L. Peterson.
1979. George H. Hoffman. B.S.'66, M.S.'68, Colorado State University.
Major: Agricultural Economics. Minor: Economics. Thesis: Monthly Forecasting of the U.S. Livestock Industry.
Major Adviser: Prof. J. P. Houck.
1979. George Williamson Norton. B.S.'71, Cornell University; M.S.'75, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: A Model for Indian Reservation Agricultural Development: The Case of the Sisseton-Wahpeton Sioux.
Major Adviser: Prof. K. W. Easter.
1979. David Nygaard. B.S.B.'66, M.S.'74, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: Risk and Allocative Errors Due to Imperfect Information: The Impact on Wheat Technology in Tunisia.
Major Advisers: Profs. H. R. Jensen and T. L. Roe.
1979. Brian Thomas Oleson. B.A.'67, M.A.'70, University of Manitoba.
Major: Agricultural Economics. Minor: Economics. Thesis: Price Determination and Market Share Formation in the International Wheat Market.
Major Adviser: Prof. W. W. Cochrane.
1979. Jose Leonardo Ribeiro. Engenheiro Agrônomo '66, Universidade rural do Estado de Minas Gerais; Magister Scientiae '69, Universidade Federal de Vicosa.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Rates of Return to Agricultural Investment in the Cerrados Area in Brazil.
Major Adviser: Prof. W. L. Peterson.
1979. Boonjit Titapiwatanakun. B.Econ.'72, M.Econ.'74, Thammasat University.
Major: Agricultural Economics. Minor: Business Administration. Thesis: Analysis of Export Demand for Tahai Tapioca.
Major Adviser: Prof. F. J. Smith.

Agricultural Economics

1980. Thomas Luther Browning. B.S.'67, University of Maryland; M.S.'69, Pennsylvania State University.
Major: Agricultural Economics. Minor: Economics. Thesis: Measuring Cattle Breeding Herd Growth and Disappearance Flows and Incorporating Them into U.S.D.A. Farm Income and Productivity Measures.
Major Adviser: Prof. W. L. Peterson.

1980. John Ridderus Groenewegen. B.Sc.'75, M.Sc.'77, University of Guelph.
Major: Agricultural Economics. Minor: Economics. Thesis: Corn and Soybean Acreage and Yield Response With Emphasis on Multiple Product Production, Uncertainty, and Commodity Programs.
Major Adviser: Prof. J. P. Houck.

1980. Glenn Joseph Knowles. B.S. magna cum laude '73, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: Estimating Utility of Gain Functions for Southwest Minnesota Farmers.
Major Adviser: Prof. Clifford Hildreth.

1980. Mary Ann Smaciarz Litterman. B.S.'74, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: Energy Substitution Possibilities in U.S. Manufacturing and Agriculture.
Major Adviser: Prof. L. R. Martin.

1980. Johannes Wahani Peter Mandagi. IR '67, Sam Ratulangi University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: A Simulation Model for Indonesia With Economic Projections and Regional Distribution of Growth From 1972 to 1985.
Major Adviser: Prof. P. M. Raup.

1981. Neilson Chase Conklin. B.A.'75, Castleton State College; M.S.'77, University of Wyoming.
Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of the Pricing Efficiency and Market Organization of the U.S. Grain Export System.
Major Adviser: Prof. R. P. Dahl.

1981. Christopher David Gerrard. B.Sc. with high honors '71, University of Saskatchewan; B. Phil.'74, University of Oxford.
Major: Agricultural Economics. Minor: Agronomy. Thesis: Economic Development, Government-Controlled Markets and External Trade in Food Grains: The Case of Four Countries in East Africa.
Major Adviser: Prof. W. W. Cochrane.

1981. Henry William Kinnucan. B.S. with honors '75, University of Illinois.
Major: Agricultural Economics. Minor: Economics. Thesis: The Role of Income Variability in the Analysis of Household Savings Behavior.
Major Adviser: Prof. Benjamin Sexauer.

1981. Jay Andrew Leitch. B.A. magna cum laude '74, Moorhead State College; M.S. '76, North Dakota State College.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Valuation of Prairie Wetlands.
Major Adviser: Prof. K. W. Easter.

1981. Robert Ken Lindner. B.A.S.'64, B.E. with distinction '68, University of Adelaide.
Major: Agricultural Economics. Minor: Economics. Thesis: Adoption as a Decision-Theoretic Process.
Major Adviser: Prof. W. L. Peterson.

1981. Tipaporn Lokaphadhana. B. of Economics with first class honors '74, Chulalongkorn University; M. of Economics '76, Thammasat University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: The Impact of Trade Policy on Selected Thai Agricultural Exports.
Major Adviser: Prof. D. E. Welsch.

Agricultural Economics

1981. Som Prasad Pudasaini. B.S.'71, University of Udaipur; M.S.'76, University of Philippines.
Major: Agricultural Economics. Minor: Economics. Thesis: The Contribution of Education to Agricultural Productivity, Efficiency, and Development in Nepal.
Major Adviser: Prof. V. W. Ruttan.
1981. Cameron Scott Thraen. B.S.'72, Northern State College; M.S.'74, South Dakota State University.
Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Assessment of the U.S. Dairy Price Support Policy With Special Emphasis on Risk, Uncertainty and Rational Producer Expectations.
Major Adviser: Prof. J. W. Hammond.
1981. Somnuk Tubpun. B. Economics '70, M. Economics '74, Thammasat University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Risk, Allocative Error, and Value of Perfect Information Among Thai Rice Farmers in Channasutr Land Consolidation Area.
Major Advisers: Profs. D. E. Welsch and T. L. Roe.
1981. Yuavares Gaeuwan Tubpun. B. Economics '71, M. Economics '73, Thammasat University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Economics of Tank Irrigation Projects in Northeastern Thailand.
Major Adviser: Prof. William Easter.
1982. Frances Ann Antonovitz. B.S. with distinction '75, Iowa State University.
Major: Agricultural Economics. Minor: Economics. Thesis: The Value of Information and Allocative Error Under Risk in Fat Cattle Production: The Role of Cash and Future Markets.
Major Adviser: Prof. T. L. Roe.
1982. Gregory Dean Hanson. B.A. cum laude '73, Dartmouth College; M.S. '78, University of Minnesota.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Agricultural Income Tax Expenditures and Their Effects on Farm Growth.
Major Adviser: Prof. V. R. Eidman.
1982. Shun-Cheng Lee. B.S.'71, National Taiwan University; M.Econ.'75, Thammasat University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Effects of Agricultural Policy on Efficiency, Growth, and Equity in the Taiwanese Rice Economy: A Cross-Section Time Series Analysis.
Major Adviser: Prof. T. L. Roe.
1982. Frank Howard McDowell. B.S. with distinction '76, Virginia Polytechnic Institute and State University.
Major: Agricultural Economics. Minor: Economics. Thesis: Domestic Dairy Marketing Policy: An Interregional Trade Approach.
Major Adviser: Prof. B. M. Buxton.
1982. Gregory Hugh Michaels. B.S.F.S.'74, Georgetown University; M.S.'76, University of Idaho.
Major: Agricultural Economics. Minor: Economics. Thesis: The Determinants of Kharif Fallowing One of the Vertisols in Semi-Arid Tropical India.
Major Adviser: Prof. D. E. Welsch.
1982. Alan Grant Miner. B.S.'75, Cornell University; M.S.'78, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: The Contribution of Weather and Technology to U.S. Soybean Yields.
Major Adviser: Prof. V. W. Ruttan.

Agricultural Economics

1982. Manuel Fonseca Vanegas. Ing.Agr.'67, Maestro en Ciencias '71, La Escuela Nacional de Agricultura y Canaderia.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: An Econometric Model of the Supply and Demand for Milk in Nicaragua: 1958-1977.

Major Adviser: Prof. J. W. Hammond.

1982. Paul Nicholas Wilson. B.S.'70, Arizona State University; M.S.'75, University of Arizona.

Major: Agricultural Economics. Minor: Economics. Thesis: Structural Determinants of the Swine Production Industry: A Stochastic Dominance Analysis.

Major Adviser: Prof. V. R. Eidman.

1982. Robert Paul Zentner. B.S.A. with distinction '72, M.S.'75, University of Saskatchewan.

Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Evaluation of Public Wheat Research Expenditures in Canada.

Major Adviser: Prof. W. L. Peterson.

1983. Habib Amamou. Ingenieur Agricole '71, Institut National Agronomique de Tunis; M.S.'74, University of Minnesota.

Major: Agricultural Economics. Minor: Economics. Thesis: Imperfect Knowledge, Risk and Efficiency, Wheat Production in Northern Tunisia.

Major Adviser: Prof. T. L. Roe.

1983. Robert Roger Deuson. B.S. with honors '74, California State Polytechnic University; M.S.Ag.E.'76, New Mexico State University.

Major: Agricultural Economics. Minor: Economics. Thesis: The Lower Moulouya Irrigation Project: An Assessment of its Socio-Economic Impact on the North-East of Morocco.

Major Adviser: Prof. W. B. Sundquist.

1983. Paul William Gallagher. B.A.'72, M.S.'75, University of Minnesota.

Major: Agricultural Economics. Minor: Economics. Thesis: Crop Yield Capacity and Probability: Estimation and Forecasting with Non-Symmetric Disturbances.

Major Adviser: Prof. J. P. Houck.

1983. Christopher Brown Hodges. B.A. magna cum laude '75, Drake University; M.L.A.'77, Columbia University.

Major: Agricultural Economics. Minor: Supporting Program. Thesis: Low Income Countries and the World Wheat Trade.

Major Adviser: Prof. S. T. Roe.

1983. Judith Ann Maxwell. B.S.'70, Indiana University; M.S.'77, Washington State University.

Major: Agricultural Economics. Minor: Supporting Program. Thesis: The Economic Impact of Irrigation Development in West Central Minnesota.

Major Adviser: Prof. J. J. Waelti.

1983. Chairil Anwar Rasahan. Insinyur '75, Bogor Agricultural University.

Major: Agricultural Economics. Minor: Supporting Program. Thesis: Government Intervention in Food Grain Markets: An Econometric Study of the Indonesian Rice Economy.

Major Adviser: Prof. T. L. Roe.

1984. Darrell Jonathan Bosch. B.A. summa cum laude '71, Central College; M.S.'80, University of Tennessee.

Major: Agricultural Economics. Minor: Economics. Thesis: The Value of Soil Water and Weather Information in Increasing Irrigation Efficiency.

Major Adviser: Prof. V. R. Eidman.

1984. Martin Lee Fischer. B.A.'76, M.S.'77, University of Minnesota.

Major: Agricultural Economics. Minor: Economics. Thesis: Financing Agricultural Cooperatives: Economic Issues and Alternatives.

Major Adviser: Prof. J. W. Hammond.

Agricultural Economics

1984. Edward Odell Fryar, Jr. B.A.'75, M.S.'77, University of Arkansas.
Major: Agricultural Economics. Minor: Economics. Thesis: Edible
Vegetable Oil Prices in the United States and World Markets.
Major Adviser: Prof. J. P. Houck.
1984. Karen Lyum Gulliver. B.A.'73, University of California, Santa
Barbara; M.S.'76, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: The Brazilian
Soybean Economy: An Econometric Model With Emphasis on Government Policy.
Major Adviser: Prof. J. P. Houck.
1984. Robert Arthur Hill. B.A.'73, Gettysburg College; M.S.'77,
Pennsylvania State University.
Major: Agricultural Economics. Minor: Economics. Thesis: An Analysis
of the Economic Structure of Rice Production in the Dominican Republic.
Major Adviser: Prof. T. L. Roe.
1984. Frederick Vincent Linse. B.S.'69, M.S.'71, Montana State
University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis:
Implications of Price Risk for Price Support Loan Demand.
Major Advisers: Profs. T. L. Roe and W. B. Sundquist.
1984. Joseph Gilbert Nagy. B.S.A.'72, M.Sc.'74, University of
Saskatchewan.
Major: Agricultural Economics. Minor: Economics. Thesis: The Pakistan
Agricultural Development Model: An Economic Evaluation of Agricultural
Research and Extension Expenditures.
Major Adviser: Prof. V. W. Ruttan.
1984. Jeronimo Ramos Saenz Pardo. Licenciado '76, La Universidad Nacional
Autonoma de Mexico; Maestria '77, La Universidad Autonoma de Guadalajara.
Major: Agricultural Economics. Minor: Economics. Thesis: An Economic
Evaluation of Government Intervention in the Mexican Agriculture Sector:
The Corn and Wheat Sectors.
Major Adviser: Prof. G. E. Schuh.
1984. Roberto de la Fuente Ranola, Jr. B.S.'73, University of the
Philippines at Los Banos; M.Agr.'78, The Australian National University.
Major: Agricultural Economics. Minor: Supporting Program. Thesis:
Cropping Systems and Determinants: Factors Influencing Cropping Patterns,
Fertilizer-Use and Resource-Use Efficiency.
Major Adviser: Prof. V. W. Ruttan.
1984. Paul Christopher Riethmuller. B.Ag.S. with second class honors '72,
M.Eco.'76, University of Queensland.
Major: Agricultural Economics. Minor: Economics. Thesis: Government
Intervention in Commodity Markets: The Case of the Japanese Rice and Wheat
Markets.
Major Advisers: Profs. G. E. Schuh and T. L. Roe.
1984. David Christopher Salmon. A.B.'73, M.B.A.'75, Stanford University.
Major: Agricultural Economics. Minor: Economics. Thesis: An Evaluation
of Investment in Agricultural Research in Indonesia, 1965-1977.
Major Adviser: Prof. V. W. Ruttan.
1984. Richard John Sexton. B.A.'77, St. Cloud State College; M.S.'80,
University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: The Formation
of Cooperatives: An Analysis of Entry Incentives, Entry Deterrence, Optimal
Financing Arrangements, and Stability Requirements.
Major Adviser: Prof. T. L. Roe.

Agricultural Economics

1984. Wolfgang Otto Vogel. Diplom '70, Universität Hamburg; M.S. '79, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of the Potential Sunflower Acreage in the Upper Midwest.
Major Adviser: Prof. J. E. Fruin.
1985. Charles Robert Adelberg. B.S. '76, Cornell University; M.S. '80, University of Minnesota.
Major: Agricultural Economics. Minor: Economics. Thesis: The Market Place for R&D Outcomes: Its Function and Significance in the Innovation Process.
Major Adviser: Prof. R. P. King.
1985. Glenn Cameron Fox. B.S. with honors '77, M.S. '79, University of Guelph.
Major: Agricultural Economics. Minor: Economics. Thesis: Optimal Public Investment in U.S. Agricultural Research: A Study in the Management of Technical Change.
Major Adviser: Prof. V. W. Ruttan.
1985. Leighton Leon Geyer. B.S. with distinction '69, Purdue University; J.D. '73, University of Notre Dame.
Major: Agricultural Economics. Minor: Supporting Program. Thesis: Farmer Bargaining: Legal, Economic, Conceptual, Theoretical, and Empirical Considerations.
Major Adviser: Prof. J. W. Hammond.
1985. Donald Jiann-Tyng Liu. B.Ag. '75, College of Chinese Culture.
Major: Agricultural Economics. Minor: Economics. Thesis: The Willingness to Pay of an Individual Fed Cattle Producer for a Better Forecasting Technique: An Evaluation in a Dynamic Economic Setting with Cash and Futures Marketing Alternatives.
Major Adviser: Prof. T. L. Roe.
1986. Chung-Huang Huang. B.Ag. '77, College of Chinese Culture; M.S.Agr. '79, National Taiwan University.
Major: Agricultural Economics. Minor: Economics. Thesis: The Recreation Benefits of Water Quality Improvement in Selected Lakes in Minnesota.
Major Advisers: Profs. P. M. Raup and T. D. Graham-Tomasi.
1986. Robert James Myers. B.Ag.Ec. honors '79, The University of New England.
Major: Agricultural Economics. Minor: Economics. Thesis: Economic Inefficiency Under Uncertainty and the Effects of Ideal Risk Markets in U.S. Agriculture.
Major Adviser: Prof. C. F. Runge.
1986. Jung Keun Park. B.S.Ag. '67, Seoul National University.
Major: Agricultural Economics. Minor: Economics. Thesis: Technological Change in the Korean Rice Economy: Sources, Direction and Impact.
Major Adviser: Prof. V. W. Ruttan.

Ancient Studies

1978. John Allen Gifford. B.S. cum laude '69, University of Massachusetts at Amherst; M.S. '73, University of Miami.
Major: Ancient Studies. Thesis: Paleogeography of Archaeological Sites of the Larnaca Lowlands, Southeastern Cyprus.
Major Adviser: Prof. G. R. Rapp, Jr.
1980. Julie Kay Stein. B.S. cum laude '74, Western Michigan University; M.A. '76, University of Minnesota.
Major: Ancient Studies. Thesis: Geoarchaeology of the Green River Shell Mounds, Kentucky.
Major Adviser: Prof. Herbert Wright, Jr.

Ancient Studies

1983. Geri Hockfield (Malandra). B.A. magna cum laude '73, Carleton College; M.A.'76, University of Minnesota.
Major: Ancient Studies. Thesis: The Buddhist Caves at Ellora.
Major Adviser: Prof. F. M. Asher.

1984. Alden Albert Arndt, Jr. B.E.E.'58, M.A.'76, M.A.'79, University of Minnesota.
Major: Ancient Studies. Thesis: A Microprocessor Computer System For Field Capture of Archaeological Data.
Major Advisers: Profs. W. D. Coulson and P. C. Patton.

1984. William Robert Brookman. B.S. with distinction '76, M.A.'77, University of Minnesota.
Major: Ancient Studies. Thesis: The Umma Milling Industry: Studies In Neo-Sumerian Texts.
Major Advisers: Profs. D. D. Reisman and P. C. Patton.

1984. John Frederick Brug. B.A.'67, Northwestern College; M.A.'80, University of Minnesota.
Major: Ancient Studies. Thesis: A Literary and Archaeological Study of the Philistines.
Major Advisers: Profs. W. D. Coulson and J. S. Paradise.

1986. William Kevin Miller. B.A. with high honors '73, Lewis College; M.A. '77, University of Chicago.
Major: Ancient Studies. Thesis: The Genealogy and Chronology of the Ramesside Period.
Major Advisers: Profs. G. R. Rapp, Jr. and W. D. Coulson.

Anthropology

1976. Cynthia Cone. B.A. magna cum laude '56, M.A.'71, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Fields and Factories: The Dynamics of Migration in Mexico.
Major Adviser: Prof. R. C. Kiste.

1976. Paul Dufred Schaefer. B.A. with high distinction '68, Arizona State University; M.A.'70, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Confess Therefore Your Sins: Status and Sin on Kusaie.
Major Adviser: Prof. R. C. Kiste.

1976. Michael George Trend. B.A.'68, M.A.'70, University of Minnesota.
Major: Anthropology. Minor: Studio Art. Thesis: Housing Allowances in North Dakota: A Cultural Account.
Major Adviser: Prof. Eugene Ogan.

1976. Charles Rudolph Watrall. A.B.'65, Hunter College; M.A.'68, University of Minnesota.
Major: Anthropology. Minor: Geology. Thesis: Ecotones and Environmental Adaptation Strategies in the Prehistory of Northwestern Minnesota.
Major Adviser: Prof. O. E. Johnson.

1977. Karen Fog Olwig. B.A.'70, George Washington University; M.A.'72, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Households, Exchange and Social Reproduction: The Development of a Caribbean Society.
Major Adviser: Prof. S. F. Gudeman.

1977. Daniel Mark Rosenberg. B.A.'69, Goddard College.
Major: Anthropology. Minor: Supporting Program. Thesis: Political Leadership in a Mongolian Nomadic Pastoralist Collective.
Major Adviser: Prof. W. L. Rowe.

Anthropology

1978. Edward Louis Greenamyre. B.S.'51, Florida State University; M.A.'68, Wichita State University.
Major: Anthropology. Minor: Supporting Program. Thesis: Pragmatism, Particularism, and Religious Flexibility as Factors in Environmental Disruption: A Japanese Example.
Major Adviser: Prof. R. C. Kiste.
1978. Judith Modell. A.B. magna cum laude '63, Vassar College; A.M.'65, Columbia University.
Major: Anthropology. Minor: Supporting Program. Thesis: A Biographical Study of Ruth Fulton Benedict.
Major Adviser: Prof. R. C. Kiste.
1978. Kenneth Alan Skinner. A.B.'67, Stanford University; M.A.'74, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: The Japanese Salaryman in a Government Bureaucracy: A Participant Observation Study of a Public Corporation.
Major Adviser: Prof. R. C. Kiste.
1978. Paul Brandin Wohlt. B.A.'68, M.A.'70, University of New Mexico.
Major: Anthropology. Minor: Supporting Program. Thesis: Ecology, Agriculture and Social Organization: The Dynamics of Group Composition in the Highlands of Papua, New Guinea.
Major Adviser: Prof. R. C. Kiste.
1979. Louis Bartholomew Casagrande. B.A.'69, Yale College; M.A.'71, American University.
Major: Anthropology. Minor: Supporting Program. Thesis: Zacapu: The Dynamics of Inequality in a Mexican Town.
Major Adviser: Prof. F. C. Miller.
1979. M. Michael Cohen, Jr. A.B.'65, University of Michigan; D.M.D.'66, Tufts University.
Major: Anthropology. Minor: Supporting Program. Thesis: Studies in Achondroplasia: A Cephalometric Analysis of the Craniofacial Complex.
Major Adviser: Prof. Rupert Murrill.
1979. Deborah Ruth Walters Fink. B.A. cum laude '65, Doane College; M.A.'67, University of Nebraska; M.S.'74, Iowa State University.
Major: Anthropology. Minor: Supporting Program. Thesis: Women's Work and Change in a Danish Community.
Major Adviser: Prof. F. C. Miller.
1979. Thomas William Neumann. B.A. with high distinction '73, University of Kentucky; M.A.'75, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Culture, Energy, and Subsistence: A Model for Prehistoric Subsistence.
Major Adviser: Prof. O. E. Johnson.
1979. Sister Joanne Poehlman. B.A.'65, Mount Mary College; M.A.'71, Saint Louis University.
Major: Anthropology. Minor: Supporting Program. Thesis: Culture Change and Identity among Chamorro Women of Guam.
Major Adviser: Prof. F. C. Miller.
1979. Olga Stavakis. B.A.'64, University of Delaware; A.M.'69, University of Pennsylvania.
Major: Anthropology. Minor: Supporting Program. Thesis: The Effect of Agricultural Change upon Social Relations and Diet in a Village in Northern Belize.
Major Adviser: Prof. L. P. Gerlach.

Anthropology

1979. Lois Elaine Rubinyi Yellowthunder. B.A. with highest honors '64, University of California, Los Angeles; M.A.'66, University of Chicago. Major: Anthropology. Minor: Supporting Program. Thesis: The Decline of the Frontier: Change Agents and Citizen Intervention in Land Use Decision Making.
Major Adviser: Prof. L. P. Gerlach.
1980. Jennette Cook Jones. B.A.'49, Wellesley College; M.A.'70, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: Talamone, A Maritime Community in Tuscany: A Problem in Societal Fragmentation.
Major Adviser: Prof. R. F. Spencer.
1980. Spero Martin Manson, Jr. B.A. cum laude '72, University of Washington; M.A.'75, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: Cross-Modal and Cross-Cultural Experiments in Observer Perceptions of the Social Organization of Behavior in Face-to-Face Interaction.
Major Adviser: Prof. H. B. Sarles.
1980. Mark Stephen Mosko. B.A.'70, University of California, Santa Barbara; M.A.'73, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: The Legacy of Akaisa: Categories, Relations and Homologies in Bush Mekeo Culture.
Major Adviser: Prof. S. F. Gudeman.
1980. William Simms Stockton. B.A.'62, Macalester College; M.A.'70, University of Minnesota. Major: Anthropology. Minor: Child Psychology. Thesis: Social Control in a Multi-Cultural, Inner-City, Junior High School Classroom.
Major Adviser: Prof. F. C. Miller.
1980. Joseph Holt Woodside. A.B.'69, Duke University; M.A.'73, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: Developmental Sequences in Amahuaca Society.
Major Adviser: Prof. S. F. Gudeman.
1981. Steven D. Machalow. B.S.'71, State University of New York, College at New Paltz; M.A.'72, University of Chicago. Major: Anthropology. Minor: Supporting Program. Thesis: We Know Who We Are: The Role of Perspectives in Self-Perception and the Changing Status of American Minorities.
Major Adviser: Prof. H. B. Sarles.
1981. Kenneth Woodrow Smith. B.A.'70, M.A.'74, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: Godsons of the Shaken Earth: An Ethnohistorical Analysis of "Compadrazgo" in a Guatemalan Parish.
Major Adviser: Prof. S. F. Gudeman.
1981. Robert Roman Winthrop. A.B. with distinction '72, University of California, Berkeley; M.A.'77, University of Minnesota. Major: Anthropology. Minor: Supporting Program. Thesis: Norm and Tradition in American Benedictine Monasticism.
Major Adviser: Prof. R. F. Spencer.
1982. Kyung Soo Chun. B.A.'71, M.A.'77, Seoul National University. Major: Anthropology. Minor: Supporting Program. Thesis: Patterns of Reciprocity in a Korean Community: A Contextual Approach.
Major Adviser: Prof. R. F. Spencer.
1982. Bishnu Bahadur Shrestha. M.A.'66, Tribhuvan University. Major: Anthropology. Minor: Supporting Program. Thesis: The Prehistoric Archaeology of Nepal with Special Reference to the Beginning of Agriculture.
Major Adviser: Prof. O. E. Johnson.

Anthropology

1983. Christy Ann Caine. B.A. with high honor '66, Hamline University; M.A.'69, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Normative Typological and Systematic Stylistic Approaches to the Analysis of North-Central Minnesota Ceramics.
Major Adviser: Prof. O. E. Johnson.
1984. Clark Alan Dobbs. B.A. '73, Indiana University; M.A.'79, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Oneota Settlement Patterns in the Blue Earth River Valley, Minnesota.
Major Adviser: Prof. G. E. Gibbon.
1984. Laurie Jo Lucking. B.A. magna cum laude '71, Moorhead State University; M.A.'73 University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: An Archaeological Investigation of Prehistoric Palauan Terraces.
Major Adviser: Prof. O. E. Johnson.
1984. Lewis Clement Messenger, Jr. B.A.'71, Hiram College; M.A.'75, University of the Americas.
Major: Anthropology. Minor: Supporting Program. Thesis: Excavations at Guarabugui, El Cajon, Honduras: Frontiers, Culture Areas, and the Southern Mesoamerican Periphery.
Major Adviser: Prof. O. E. Johnson.
1984. Carole Fromson Zimbolt. B.A.'71, M.A.'74, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Ideology, Policy, and Identity: Family Planning in a Yemenite Community in Israel.
Major Adviser: Prof. S. F. Gudeman.
1985. Rita Jane Erickson. A.B. with distinction '70, Smith College; M.A. '73, Columbia University.
Major: Anthropology. Minor: Supporting Program. Thesis: Energy Use in Cultural Context: An Ethnographic Comparison of Households in Minnesota and Sweden.
Major Adviser: Prof. L. P. Gerlach.
1985. Jafar Jafari. B.S. '70, M.S. '73, Cornell University.
Major: Anthropology. Minor: Supporting Program. Thesis: The Tourism System: A Theoretical Approach to the Study of Tourism.
Major Adviser: Prof. L. P. Gerlach.
1985. Hilda Mary Tadia. B.A. '70, Makerere University; M.A. '76, Cambridge University.
Major: Anthropology. Minor: Supporting Program. Thesis: Changing Economic and Gender Patterns Among the Peasants of Ndejje and Sseguku in Uganda.
Major Adviser: Prof. S. F. Gudeman.
1986. Sharon Lou Kemp. B.S. '59, University of Wisconsin; M.A. '78, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Wives, Mothers and Bullocks: Models of Rural Indian Women.
Major Adviser: Prof. S. F. Gudeman.
1986. Howard Dorsey Paap. B.S. '63, University of Wisconsin; M.S. '68, University of Wisconsin, Milwaukee.
Major: Anthropology. Minor: Supporting Program. Thesis: The Ojibwe Midewiwin: A Structural Analysis.
Major Adviser: Prof. J. M. Ingham.
1986. Alberto Miguel Rivera-Gutierrez. B.A. summa cum laude '72, M.A. '78, University of Minnesota.
Major: Anthropology. Minor: Supporting Program. Thesis: Material Life and Social Metaphor: Change and Local Models Among the Wayuu Indians of Colombia and Venezuela.
Major Adviser: Prof. S. F. Gudeman.

Business Administration

1976. Bipin Baliram Ajinkya. B.E.Mech. with honors '67, University of Bombay; M.B.A.'72, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Effect of Cognitive Structure and Multi-System Cues on the Use of Accounting Information in Decision-Making.
Major Adviser: Prof. C. R. Purdy.
1976. Robert Lee Black, Jr. A.B. with distinction '65, San Diego State College.
Major: Business Administration. Minor: Law. Thesis: An Investigation of Certain Factors in Tax Problem-Finding Ability.
Major Advisers: Profs. R. G. Berryman and M. J. Barrett.
1976. Yu-tsung Lin. B.A.Comm.'62, M.Comm.'69, National Chengchi University; M.S.'71, Tugers University.
Major: Business Administration. Minor: Statistics. Thesis: A Study of the Predictive Ability of Analyst's Earnings Forecasts.
Major Adviser: Prof. John Neter.
1976. Frederick Colquhoun Miner, Jr. A.B.'68, Gettysburg College; M.B.A.'71, University of Utah.
Major: Business Administration. Minor: Supporting Program. Thesis: The Effectiveness of Problem Centered Leadership, Nominal Leadership, and the Delphi Process in a High Quality-High Acceptance Problem.
Major Adviser: Prof. A. R. Solem.
1976. Ramachandran Narasimhan. B.Tech. '69, Indian Institute of Technology; M.S.'71, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of Management Science Use as a Change Process and Implications for Implementation.
Major Adviser: Prof. R. G. Schroeder.
1976. Gary Lee Pielemeier. B.A.'52, Miami University; B.D.'55, Seabury-Western Theological Seminary; M.A.'69, University of Minnesota.
Major: Business Administration. Minor: Sociology. Thesis: Airline Aviation Insurance Management.
Major Adviser: Prof. A. K. Wickesberg.
1977. Paul Henry Cheney. B.S.B.'69, University of Minnesota; M.P.A.'72, State University of New York at Albany.
Major: Business Administration. Minor: Supporting Program. Thesis: Organization Characteristics and Information Systems: An Investigation.
Major Adviser: Prof. G. W. Dickson.
1977. Quentin Neil Gerber. B.S.'57, Northern State College; M.S.'60, University of North Dakota.
Major: Business Administration. Minor: Law. Thesis: Prediction of Income and Stock Prices of a Seasonal Business Using Different Concepts of Interim Reporting.
Major Adviser: Prof. R. G. Berryman.
1977. Yung-Yue Hu. B.B.A. with high honor '70, Ohio University; M.B.A.'72, University of Minnesota.
Major: Business Administration. Minor: Statistics. Thesis: An Experimental Study on the Impact of Information on Marketers' Decisions in New Product Context.
Major Adviser: Prof. N. L. Chervany.
1977. Vernon Bruce Irvine. B.Comm. with great distinction '65, University of Saskatchewan; M.B.A.'67, University of Chicago.
Major: Business Administration. Minor: Sociology. Thesis: Perceived Budget Induced Pressure Related to Supervisory Behavior and the Moderating Effects of Departmental Variation.
Major Adviser: Prof. J. C. Gray.

Business Administration

1977. Arnold Milton Jenkins. B.S.'69, University of Albuquerque; M.B.A.'71, University of New Mexico.
Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of Some Management Information Systems Design Variables and Decision Making Performance: A Simulation Experiment.
Major Adviser: Prof. N. L. Chervany.
1977. Gary Lee Herbert Lorenz. B.S.'70, M.B.A.'71, St. Cloud State College.
Major: Business Administration. Minor: Industrial Relations. Thesis: An Analysis of the Relationships Between Selected Individual Attitudes, Decision Methods and Forecasting Accuracy in a Business Problem.
Major Adviser: Prof. R. E. Willis.
1977. Justus David Naumann. B.S.'71, M.S.'73, University of Minnesota.
Major: Business Administration. Minor: Psychology. Thesis: Energy Conservation Potential Estimation: A Database and Model.
Major Adviser: Prof. T. R. Hoffmann.
1977. Garry M. Rollins. B.B.A. cum laude '71, M.S.'73, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Minimum Depositing of Life Insurance.
Major Adviser: Prof. C. A. Williams, Jr.
1977. Horton Lee Sorkin. B.S. magna cum laude '70, University of Missouri, St. Louis; M.B.A.'75, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: An Empirical Study of Three Confirmation Techniques: Desirability of Expanding the Respondents' Decision Field.
Major Advisers: Profs. J. C. Gray and M. J. Barrett.
1977. Ronald Arthur Gerard Weber. B.Com. with honors '72, University of Queensland; M.B.A.'75, University of Minnesota.
Major: Business Administration. Minor: Psychology. Thesis: Auditor Decision Making: A Study of Some Aspects of Accuracy and Consensus, and the Usefulness of a Simulation Decision Aid for Assessing Overall System Reliability.
Major Adviser: Prof. G. B. Davis.
1978. Stanley Franklin Biggs. B.A.'66, Southern Colorado State College; M.A.'68, Columbia University; M.B.A.'72, Rutgers University.
Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of the Decision Processes Underlying the Assessment of Corporate Earning Power.
Major Adviser: Prof. J. W. Dickhaut.
1978. Robert Paul Bostrom. B.A.'66, M.B.A.'69, Michigan State University; M.S.'70, State University of New York at Albany.
Major: Business Administration. Minor: Supporting Program. Thesis: Conflict Handling and Power in the Redesign Process: A Field Study Investigation of the Relationship Between Management Information Systems Users and System Maintenance Personnel.
Major Adviser: Prof. G. W. Dickson.
1978. F. Robert Dwyer. B.A. with high honor '73, Michigan State University; M.B.A.'75, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: An Experimental Study of Consumer Use of Supplementary Drug Information.
Major Adviser: Prof. Ivan Ross.
1978. Michael John Evers. B.B.A.'57, M.B.A.'59, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Development and Analysis of the Distribution Utility Concept.
Major Advisers: Profs. A. K. Wickesberg and J. P. Rakowski.

Business Administration

1978. Blake Ives. B.S.'69, M.S.'71, State University of New York at Albany.

Major: Business Administration. Minor: Psychology. Thesis: Enriching the Person-Machine Interface: An Investigation of the Relationship Between Perceived Task Variables and Outcomes for Alternative Data Entry Settings and Technologies.

Major Adviser: Prof. G. W. Dickson.

1978. Joanne Mary Klebba. B.A.'62, Marygrove College; M.S.'73, University of Colorado.

Major: Business Administration. Minor: Supporting Program. Thesis: The Structure of the Purchasing Function as Determined by Environmental Uncertainty.

Major Adviser: Prof. O. C. Walker, Jr.

1978. Margrethe Helen Olson. B.S.'71, University of Michigan; M.B.A.'77, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of Organizational Contingencies Associated with Structure of the Information Services Function.

Major Adviser: Prof. G. B. Davis.

1978. Jae Hyon Song. B.S. in Engineering '64, Seoul National University; M.S.'70, University of London; M.B.A.'74, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of the Unemployment and Underemployment Rate of College Graduates Over Time.

Major Adviser: Prof. C. R. Adams.

1978. Precha Thavikulwat. B.M.E. with high distinction '71, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: The Appraisal Interview: Theory and Training Effects.

Major Adviser: Prof. A. R. Solem.

1979. Alan Joel Dubinsky. B.S.B. with high distinction '73, M.B.A.'76, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: Sales Training: An Empirical Investigation of Present Methods and Practitioners' Ideas for Improvement.

Major Adviser: Prof. C. W. Rudelius.

1979. Joyce Louise Judd Grahn. B.S. cum laude '70, M.S.'74, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: Consumer Information Processing of OTC Drug Label Information.

Major Adviser: Prof. Ivan Ross.

1979. Sung Woo Kim. B.S.'70, Seoul National University; M.S.'74, M.B.A.'76, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of the Effects of Some Variables on Users in the Database Management System Environment.

Major Adviser: Prof. G. B. Davis.

1979. Carroll Richard Roberts. B.S.A.E.'59, University of Tulsa; M.S.A.E.'65, University of Southern California.

Major: Business Administration. Minor: Supporting Program. Thesis: The Effect of Extraordinary Inflation Rates upon Consumer Attitudes and Purchasing Behavior.

Major Adviser: Prof. O. C. Walker, Jr.

1979. Jerry Lee Thompson. B.Ag.B.A. with high distinction '70, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: An Analysis of the Effects of the Federal Intermediate Credit Bank-Production Credit Association System on the Lending Behavior of Commercial Banks.

Major Adviser: Prof. R. B. Upson.

Business Administration

1980. Grandhi Balakrishna. B.S.'72, Andhra University; M.M.S.'73, University of Madras; M.B.A.'75, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Modeling Group Interaction and Choice Selection Processes in Industrial Buying.
Major Adviser: Prof. R. N. Cardozo.

1980. John Vincent Carlis. B.S.'69, M.S.'71, Pennsylvania State University.
Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation into the Modeling and Design of Large, Logically Complex, Multi-User Databases.
Major Adviser: Prof. N. L. Chervany.

1980. Karen Elena Hawley. B.E.E.'71, M.B.A.'77, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: A Theory of an Outsider's and Insider's Decision to Participate in a Political Issue and Its Implications for the Process of Cooptation.
Major Adviser: Prof. M. E. Lippitt.

1980. William Daryl Lindsay. M.B.A.'71, University of Manitoba.
Major: Business Administration. Minor: Psychology. Thesis: Internal Auditors' Feelings of Competence.
Major Adviser: Prof. R. G. Berryman.

1980. Bruce Elwood Mattson. B.C.E.'71, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Relative Contribution of Individual, Product, and Situational Factors on Shopping Behaviors.
Major Adviser: Prof. R. N. Cardozo.

1980. Joseph F. Michlitsch. B.S. with honor '69, South Dakota State University; M.B.A.'70, University of South Dakota.
Major: Business Administration. Minor: Supporting Program. Thesis: Organizational Responses to Perceived Environmental Uncertainty: A Test of the Dominance of Uncertainty in the Regulatory Segment.
Major Advisers: Profs. P. V. Grambsch and M. E. Lippitt.

1980. James T. C. Teng. B.A.'66, National Taiwan University; M.S.'69, University of Houston; M.S.'71, University of Illinois.
Major: Business Administration. Minor: Supporting Program. Thesis: The Impact of Several Alternative Protocols for Uncertainty Assessment on Decision Makers' State of Information and Mode of Inference.
Major Adviser: Prof. N. L. Chervany.

1980. Albert O. Trostel, III. B.Ch.E.'56, Cornell University; M.S.'69, Massachusetts Institute of Technology.
Major: Business Administration. Minor: Psychology. Thesis: Privately-Held and Publicly-Held Companies: A Comparison of Strategic Choices and Management Processes.
Major Advisers: Profs. R. K. Gaumnitz and M. E. Lippitt.

1981. Nestor Guimaraes. B.S.'73, M.B.A.'74, California State College, Los Angeles.
Major: Business Administration. Minor: Supporting Program. Thesis: Analysis of Application Program Life Patterns.
Major Adviser: Prof. T. R. Hoffman.

1981. Paul Eston Guttman. B.S. with distinction '71, University of Minnesota; M.B.A. with distinction '73, De Paul University.
Major: Business Administration. Minor: Psychology. Thesis: The Development and Testing of a Model of Staff Turnover in Public Accounting Firms.
Major Adviser: Prof. R. G. Berryman.

Business Administration

1981. Jonathan Scott Hamilton. B.S.'72, University of Wisconsin; M.B.A.'74, Arizona State University.
Major: Business Administration. Minor: Supporting Program. Thesis: Post Installation Evaluation of Information Systems: An Empirical Investigation of the Determinants for Use of Post Installation Reviews.
Major Adviser: Prof. N. L. Chervany.

1981. Jay Scott Holmen. B.A. summa cum laude '76, Moorhead State College.
Major: Business Administration. Minor: Statistics. Thesis: Comparison of Forecasting Techniques in an Analytical Review by Auditors.
Major Adviser: Prof. R. G. Berryman.

1981. Dennis Ray Lassila. B.A. summa cum laude '70, College of Great Falls; M.B.A.'72, Washington State University.
Major: Business Administration. Minor: Law. Thesis: Tax Planning for the Compensation of Shareholder-Employees of Subchapter S Corporations.
Major Adviser: Prof. R. G. Berryman.

1981. James Duncan McKeen. B.A.'69, M.S.'73, Queen's University at Kingston.
Major: Business Administration. Minor: Supporting Program. Thesis: An Empirical Investigation of the Process and Product of Application System Development.
Major Adviser: Prof. G. W. Dickson.

1981. Cathie F. Michlitsch. B.S.'69, South Dakota State University; M.S.'76, University of Minnesota.
Major: Business Administration. Minor: Psychology. Thesis: The Role of Creativity, Satisfaction, and Interest in Explaining Innovative Behavior.
Major Adviser: Prof. Ivan Ross.

1981. Nicholas Paul Vitalari. B.S.'75, Marquette University; M.B.A.'77, University of Minnesota.
Major: Business Administration. Minor: Sociology. Thesis: An Investigation of the Problem Solving Behavior of Systems Analysts.
Major Adviser: Prof. G. W. Dickson.

1982. Mary Louise Bochnak. B.S. with high distinction '72, M.B.A.'76, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: An Analysis of the Residential Condominium Conversion Market.
Major Adviser: Prof. R. B. Upson.

1982. Carol Ellen Eger. B.A. with distinction '69, University of Rochester; M.A.'73, University of Minnesota.
Major: Business Administration. Minor: Economics. Thesis: Corporate Merger: An Empirical Analysis of the Role of Risky Debt.
Major Advisers: Profs. R. L. Vigeland and G. J. Alexander.

1982. David Harold Gobeli. B.S. with high distinction '64, M.S.E.E.'65, M.B.A.'78, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: The Management of Innovation in the Pacing Industry.
Major Adviser: Prof. R. K. Gaumnitz.

1982. Marius A. Janson. B.S.'74, M.S.'77, University of Minnesota.
Major: Business Administration. Minor: Biometry and Health Information Systems. Thesis: The Application of a Robust Methodology to Linear Model Building.
Major Adviser: Prof. R. E. Willis.

1982. Keishiro Matsumoto. B.A.'62, Waseda University; M.B.A.'64, University of Michigan.
Major: Business Administration. Minor: Supporting Program. Thesis: Comparative Analysis of the Standard Gamble Method and the Cash Equivalent Method in Presence of Response Errors.
Major Adviser: Prof. John Neter.

Business Administration

1983. Jefim Efrim Boritz. B.A.'72, M.B.A.'74, York University.
Major: Business Administration. Minor: Supporting Program. Thesis:
Planning and Review by Auditors.
Major Adviser: Prof. G. B. Davis.
1983. Steven William Hartley. B.M.E.'78, M.B.A.'81, University of
Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis:
Determinants of Expertise and Error in Judgemental Marketing Decisions.
Major Adviser: Prof. C. W. Rudelius.
1983. Mansour Javidan. B.S.'76, Arya-Mehr University of Technology.
Major: Business Administration. Minor: Supporting Program. Thesis:
Determinants of Success in Formal Planning Systems.
Major Adviser: Prof. R. E. Willis.
1983. Earl Clark Joseph, II. B.S.B. with high distinction '78, University
of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: A
Study of the Differences in Usage of Technological Forecasting Methods in
the Strategic Management of Research and Development in High Technology
Firms.
Major Adviser: Prof. R. E. Willis.
1983. Reagan Mays Ramsower. B.B.A.'74, M.S.'78, Baylor University.
Major: Business Administration. Minor: Psychology. Thesis:
Telecommuting: An Investigation of Some Organizational and Behavioral
Effects of Working at Home.
Major Advisers: Profs. G. B. Davis and G. W. Dickson.
1983. Richard Joseph Rexeisen. B.A. magna cum laude '75, University of
Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis:
Bargaining: A Comparative Analysis of the Perceptual Dynamics of Power.
Major Adviser: Prof. K. J. Roering.
1983. Joon Yong Shin. B.S.'70, Sogang University; M.B.A.'81, University
of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis:
Incomplete Information, Moral Hazard and Hierarchical Structure-Accounting
Information System as an Incomplete Monitoring Device in the Context of the
Theory of the Firm.
Major Adviser: Prof. J. W. Dickhaut.
1983. Richard Owen WeiJo. B.A. magna cum laude '74, Concordia College;
M.B.A.'78, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis:
Evaluating Information, Incentive, and Door-to-Door Interventions for the
Mecs Energy Audit Program: A Theoretical Application of the Petty and
Cacioppo Elaboration Likelihood Model.
Major Adviser: Prof. C. W. Rudelius.
1983. Edna Melinda White. B.A.'66, Stanford University.
Major: Business Administration. Minor: Supporting Program. Thesis:
Process Quality Control Using a Modified Box Plot From Exploratory Data
Analysis.
Major Adviser: Prof. R. G. Schroeder.
1984. Mohamed El-Said Abouelezz. B.Com.'64, M.S.'70, Cairo University;
M.B.A.'77, University of Wisconsin, Oshkosh.
Major: Business Administration. Minor: Psychology. Thesis: The
Relationship of Incentive Structure and Budget Standard to Performance and
Social Normative Influence.
Major Adviser: Prof. J. W. Dickhaut.

Business Administration

1984. Marcia Lee Agee. B.A.'67, College of St. Catherine; M.B.A.'81, University of Minnesota.
Major: Business Administration. Minor: Psychology. Thesis: A Field Test of a Model of the Determinants of Salesperson's Performance Using Insurance Sales Agents.
Major Adviser: Prof. A. K. Wickesberg.

1984. Jeanne Grace Buckeye. B.A.'71, St. Cloud State College; M.B.A.'82, University of Minnesota.
Major: Business Administration. Minor: Psychology. Thesis: How Entrepreneurs' Perceptions of the Personal Risks and Rewards of Starting a Business Relate to the Firm's Performance.
Major Adviser: Prof. A. K. Wickesberg.

1984. James Clinton Cross. B.S.B.'69, M.B.A.'79, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Marketing Planning in the Deregulated Motor Carrier Industry.
Major Adviser: Prof. C. W. Rudelius.

1984. Hayat Enbiyaoglu. B.A.'78, M.A.'79, Bogazici University.
Major: Business Administration. Minor: Psychology. Thesis: Relationship Among Entrepreneur's Previous Experiences, Business Planning, Business Idea and Company Performance in the Courseware Industry.
Major Adviser: Prof. A. K. Wickesberg.

1984. Joanne Lynn Horwood. B.S.B.A. cum laude '76, Ohio State University.
Major: Business Administration. Minor: Economics. Thesis: The Role of Economic Profits in Risk Determination.
Major Adviser: Prof. J. W. Dickhaut.

1984. Raja Krishnamoorthy Iyer. B.E.'69, University of Burdwan; M.S.I.E.'71, M.B.A.'77, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Decision Support Process for Foreign Direct Investment: Strategic Choice, Tactical Planning, and Operational Implementation and Integration.
Major Adviser: Prof. N. L. Chervany.

1984. John D. Ozment. B.S.B.A.'74, M.B.A.'75, University of Tulsa.
Major: Business Administration. Minor: Supporting Program. Thesis: An Evaluation of the State Governments' Role in the Preservation of Rail Service: An Analysis of Projects to Upgrade Rail Branch Lines in Minnesota and Iowa.
Major Adviser: Prof. D. V. Harper.

1984. Prashant Palvia. B.Sc.'72, University of Delhi; M.S.'73, M.B.A.'74, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: An Analytical Investigation into Record Structuring and Physical Database Design of Generalized Logical Data Structures.
Major Adviser: Prof. T. R. Hoffmann.

1984. Michael Olaf Rod. B.A. summa cum laude '68, Luther College; M.A.'72, University of Northern Iowa.
Major: Business Administration. Minor: Sociology. Thesis: The Entry Level Audit Position in Large Public Accounting Firms: Educational Preparation and Performance Evaluation.
Major Adviser: Prof. J. C. Gray.

1984. Craig W. Slinkman. B.S.B.A.'74, M.B.A.'75, Bowling Green State University.
Major: Business Administration. Minor: Statistics. Thesis: An Empirical Comparison of Data Analytic Regression Model Building Procedures.
Major Adviser: Prof. N. L. Chervany.

Business Administration

1984. Joseph Anthony Weber. B.A. cum laude '69, St. John's University; M.A. '71, University of Colorado.
Major: Business Administration. Minor: Supporting Program. Thesis: Lease Taxation Under Alternative Tax Policies.
Major Adviser: Prof. R. G. Berryman.

1985. Urton Liggett Anderson. B.A. magna cum laude '74, St. Olaf College; M.A. '77, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: The Auditor's Assessment of Control Risk: The Explanation Phenomenon in Judgments of Event Uncertainty.
Major Advisers: Profs. W. F. Wright and R. G. Berryman.

1985. Janet Mihnovets Dukerich. B.S. '79, M.A. '81, Ohio State University.
Major: Business Administration. Minor: Supporting Program. Thesis: Causal Analysis in Managerial Decision Making: An Investigation of Hypothesis Generation and Testing Strategies.
Major Adviser: Prof. M. L. Nichols.

1985. Dennis Frank Galletta. B.S. '75, M.B.A. '78, Gannon College.
Major: Business Administration. Minor: Psychology. Thesis: A Learning Model of Information Systems: The Effects of Orienting Materials, Ability, Expectations, and Experience on Performance, Usage, and Attitudes.
Major Adviser: Prof. G. B. Davis.

1985. Ronald Brent Gallupe. B.Math. '74, University of Waterloo; M.B.A. '77, York University.
Major: Business Administration. Minor: Supporting Program. Thesis: The Impact of Task Difficulty on the Use of a Group Decision Support System.
Major Adviser: Prof. G. W. Dickson.

1985. Richard Trygve Helleloid. B.A. '71, Macalester College; M.B.A. '78, University of Minnesota.
Major: Business Administration. Minor: Supporting Program. Thesis: Hindsight Bias and Judgments by Tax Professionals.
Major Adviser: Prof. R. G. Berryman.

1985. Rayman David Meservy. B.S. '74, B.S. '77, M.Acc. '77, Brigham Young University.
Major: Business Administration. Minor: Supporting Program. Thesis: Auditing Internal Controls: A Computational Model of the Review Process.
Major Adviser: Prof. A. D. Bailey.

1985. John Robert O'Brien. B.S. '73, University of Sydney.
Major: Business Administration. Minor: Supporting Program. Thesis: Private Information, Communication and the Incentive Properties of Capital Structure.
Major Adviser: Prof. C. S. Kanodia.

1985. Dong Soo Park. B.B.A. '72, Yeungnam University; M.B.A. '74, Seoul National University.
Major: Business Administration. Minor: Supporting Program. Thesis: A Model of Corporate Political Choice: Campaign Contribution Strategies of Corporate Political Action Committees.
Major Adviser: Prof. I. H. Maitland.

1985. Michael Joseph Prietula. B.S. '72, Purdue University.
Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of Reasoning Methods Used in Physical Database Design Problem Solving.
Major Adviser: Prof. C. W. Dickson.

1985. William James Scheela. B.A. '71, University of Minnesota, Duluth; M.B.A. '74, Mankato State University.
Major: Business Administration. Minor: Supporting Program. Thesis: The Input of Manufacturing to the Strategic Process.
Major Adviser: Prof. R. E. Willis.

Business Administration

1985. Dean Manning Schroeder. B.M.E. '74, University of Minnesota; M.B.A. '80, University of Montana.

Major: Business Administration. Minor: Supporting Program. Thesis: Competitive Business Strategy and Process Innovation in the Foundry Industry.

Major Adviser: Prof. W. B. Erickson.

1985. David Kingsbury Smith, Jr. A.B. '68, Middlebury College; M.B.A. '72, Dartmouth College.

Major: Business Administration. Minor: Supporting Program. Thesis: Timing of Entry/Performance Relationships: An Exploratory Investigation.

Major Adviser: Prof. O. C. Walker.

1985. Terry Jay Wharton. B.S. '78, M.B.A. '82, University of Minnesota. Major: Business Administration. Minor: Supporting Program. Thesis: A Study of Some of the Factors Affecting Master Production Scheduling Performance.

Major Advisers: Profs. R. G. Schroeder and J. A. Anderscn.

1986. In Keun Chung. B.S.E. '70, M.B.A. '74, Seoul National University. Major: Business Administration. Minor: Supporting Program. Thesis: An Investigation of the Relationship Between the Corporate Planner's Personal Characteristics and the Successful Functioning of the Corporate Planning Process.

Major Adviser: Prof. C. R. Adams.

1986. Ronald Alan Hoverstad. B.A. '74, Augsburg College; M.B.A. '81, St. Cloud State University.

Major: Business Administration. Minor: Supporting Program. Thesis: The Effects of Vividly Presented Information on Low and High Involvement Information Processing.

Major Advisers: Profs. Ivan Ross and B. J. Loken.

1986. Sundaram Janakirmanan. B.Tech. '70, Ph.D '77, Indian Institute of Technology.

Major: Business Administration. Minor: Supporting Program. Thesis: Essays on International Asset Pricing in Partially Segmented Markets.

Major Adviser: Prof. G. J. Alexander.

1986. Robert William Mantha. B.Math. '76, University of Waterloo; M.Sc. '78, University of British Columbia.

Major: Business Administration. Minor: Supporting Program. Thesis: A Comparative Investigation of Data Flow Modeling and Data Structure Modeling for Deriving Information System Data Specifications.

Major Adviser: Prof. G. B. Davis.

1986. Shailendra Palvia. B.Tech.Ch.E. '67, Indian Institute of Technology; M.B.A. '77, University of Minnesota.

Major: Business Administration. Minor: Supporting Program. Thesis: An Experimental Investigation Into Resistance to Change Due to Implementation of a Decision Support System for the Unfreezing, Moving, and Refreezing Stages of Change.

Major Adviser: Prof. N. L. Chervany.

1986. Dzenan Ridjanovic. B.S. '53, College of Electrical Engineering in Sarajevo; M.S. '82, University of Maryland College Park Campus.

Major: Business Administration. Minor: Supporting Program. Thesis: Comparing Quality of Data Representations Produced by Nonexperts Using Logical Data Structure and Relational Data Models.

Major Adviser: Prof. G. B. Davis.

Economics

*1975. Leigh Tesfatsion. B.A. cum laude '68, Carleton College.

Major: Economics. Minor: Supporting Program. Thesis: Essays in Decision Theory.

Major Adviser: Prof. M. K. Richter.

*Inadvertent omission from previous Register.

Economics

1976. Hae-shin Hwang. B.Econ. '65, Seoul National University; M.A.'70, University of Massachusetts.
Major: Economics. Minor: Supporting Program. Thesis: An Econometric Analysis of Single-Family, Owner-Occupied Housing Market.
Major Adviser: Prof. C. A. Sims.
1976. Terrance Walter Kinal. B.A.'64, State University of New York.
Major: Economics. Minor: Supporting Program. Thesis: The Exact Finite Sampling Distribution of Two-Stage Least Squares Estimates.
Major Adviser: Prof. T. J. Muench.
1976. Takeshi Murota. B.S.'67, Kyoto University; M.A.'69, Osaka University.
Major: Economics. Minor: Supporting Program. Thesis: Public Information and Social Welfare under Five Alternative Market Mechanisms.
Major Adviser: Prof. M. K. Richter.
1976. Michael Kerry Salemi. B.A. egregia cum laude '68, St. Mary's College; M.S.'69, Purdue University.
Major: Economics. Minor: Supporting Program. Thesis: Hyperinflation, Exchange Depreciation, and the Demand for Money in Post World War I Germany.
Major Adviser: Prof. T. J. Sargent.
1976. Gary Robert Skoog. A.B. with high distinction '68, University of Michigan.
Major: Economics. Minor: Supporting Program. Thesis: Two Essays in Time Series Analysis.
Major Adviser: Prof. T. J. Sargent.
1976. John McPherson Underwood. B.S.'67, Iowa State University.
Major: Economics. Minor: Supporting Program. Thesis: Optimization Rules for Producer Groups in a Stochastic Market Setting, with Application to the Copper and Tea Markets.
Major Adviser: Prof. A. O. Krueger.
1976. Abubakar Usman. B.S.'65, University of Ibadan; M.A.'68, Williams College.
Major: Economics. Minor: Supporting Program. Thesis: The Phillips Trade-off Relation in Nigeria: Presumptive Exploitability, Institutional Reforms/Policy Operations; A Theoretical Explanation and Some Evidence.
Major Adviser: Prof. Neil Wallace.
1976. Jon Douglas Welland. B.A.'70, McMaster University; M.A.'74, University of Minnesota.
Major: Economics. Minor: Supporting Program. Thesis: An Investigation of the Role of Abilities in the Individual Earnings Function.
Major Adviser: Prof. J. C. Hause.
1976. Floyd Scott Wilson. B.S.'67, Montana State University.
Major: Economics. Minor: Supporting Program. Thesis: Regression and Choice Models to Estimate the Enrollment Effects of Campus Closure.
Major Adviser: Prof. E. M. Foster.
1977. Eilon Amit. B.A.'70, M.A.'71, Tel-Aviv University.
Major: Economics. Minor: Supporting Program. Thesis: The Rate of Convergence of the Core in an Economy with Production.
Major Adviser: Prof. M. K. Richter.
1977. Leslie Farber. B.B.A. summa cum laude '68, City University of New York.
Major: Economics. Minor: Supporting Program. Thesis: Price Lining: A Transaction Cost-Information Cost Approach.
Major Adviser: Prof. O. H. Brownlee.

Economics

1977. Michael Lee Goetz. B.A.'69, St. Ambrose College.
Major: Economics. Minor: Supporting Program. Thesis: Tax Evasion as a Determinant of the Optimal Level of Tax Collection Expenditures.
Major Adviser: Prof. O. H. Brownlee.
1977. Dit Sang Ho. B.A.'67, M.Soc.Sci.'70, University of Hong Kong.
Major: Economics. Minor: Supporting Program. Thesis: An Econometric Study of the Relationship Between International and Domestic Prices in the Japanese Economy.
Major Adviser: Prof. J. S. Chipman.
1977. John Charles Larson. B.A.'64, University of Minnesota, Morris; M.A.'66, University of Minnesota.
Major: Economics. Minor: Industrial Relations. Thesis: Investigation of a New Complete System of Consumer Demand Functions.
Major Adviser: Prof. C. A. Sims.
1977. James Thomson Little. B.Com.'67, University of British Columbia.
Major: Economics. Minor: Supporting Program. Thesis: The Empirical Implications of Demand Theory.
Major Adviser: Prof. J. S. Chipman.
1977. Eugenia Muchnik. B. Ciencias Economicas '70, University of Chile.
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Major Adviser: Prof. A. O. Krueger.
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Major: Economics. Minor: Supporting Program. Thesis: Three Essays in Business Cycle Research.
Major Adviser: Prof. C. A. Sims.
1977. Carol Dahl Norling. B.A. with distinction '69, University of Wisconsin.
Major: Economics. Minor: Supporting Program. Thesis: Demand for Gasoline.
Major Adviser: Prof. C. A. Sims.
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Major: Economics. Minor: Supporting Program. Thesis: Tax Structure Change: A Theory and Empirical Evidence.
Major Adviser: Prof. E. M. Foster.
1977. Raymond Glenn Riezman. A.B. cum laude '69, Washington University.
Major: Economics. Minor: Supporting Program. Thesis: A Theory of Preferential Trading Agreements.
Major Adviser: Prof. J. S. Chipman.
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Major Adviser: Prof. J. C. Hause.
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Major: Economics. Minor: Supporting Program. Thesis: Health, Unobservable Variables and Individual Decision-Making.
Major Adviser: Prof. C. A. Sims.
1977. Helen Grace Veith. B.A.'71, University of Missouri, Columbia.
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Major Adviser: Prof. H. D. Mohring.

Economics

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Major Adviser: Prof. Leonid Hurwicz.
1978. Perry Lee Brown. B.A. magna cum laude '65, Coe College; M.A.'67, University of Missouri.
Major: Economics. Minor: Mathematics. Thesis: Is Collusion Observationally Identifiable?
Major Adviser: Prof. Leonid Hurwicz.
1978. Armeane Murzban Choksi. B.S. honours '67, University of Edinburgh; M.Eng.'69, McMaster University.
Major: Economics. Minor: Supporting Program. Thesis: A Planning Model for the Chemical Fertilizer Industry.
Major Adviser: Prof. A. O. Krueger.
1978. Gestur Brent Davidson. B.A. magna cum laude '65, University of Minnesota.
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1978. Julio Duran-Hernandez. Licenciado '74, Universidad de Madrid.
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Major Adviser: Prof. A. O. Krueger.
1978. Carlos Escribano. Licenciado '74, Universidad Complutense de Madrid.
Major: Economics. Minor: Supporting Program. Thesis: On Resource Allocation Mechanisms Yielding Walrasian Allocations at Equilibrium Messages.
Major Adviser: Prof. M. K. Richter.
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Major: Economics. Minor: Supporting Program. Thesis: Econometric Modeling Strategies for Exhaustible Resource Markets with Applications to Nonferrous Metals.
Major Adviser: Prof. C. A. Sims.
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Major Advisers: Profs. E. S. Maynes and Neil Wallace.
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Major Adviser: Prof. J. S. Chipman.
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Major Adviser: Prof. Leonid Hurwicz.
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Major Adviser: Prof. M. K. Richter.
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1978. Josep Oliu. Licenciado '71, Universidad de Barcelona.
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Major Adviser: Prof. Leonid Hurwicz.
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Major Adviser: Prof. N. J. Simler.
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Major Adviser: Prof. W. K. Heller.
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Major Adviser: Prof. Neil Wallace.
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1979. Edward Arthur Fagerlund. B.S.'65, University of Michigan.
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Major Adviser: Prof. H. D. Mohring.
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Major: Economics. Minor: Supporting Program. Thesis: Migration: A Study of Choice among Discrete Alternatives.
Major Adviser: Prof. C. A. Sims.
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Major: Economics. Minor: Internal. Thesis: The Influence of Municipal Fiscal Policy on Single Family Residential Property Value.
Major Adviser: Prof. O. H. Brownlee.

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Major Adviser: Prof. A. O. Krueger.
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Major Adviser: Prof. E. M. Foster.
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Major Adviser: Prof. H. D. Mohring.
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Major Adviser: Prof. A. O. Krueger.
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Major Adviser: Prof. T. J. Sargent.
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Economics

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Major Adviser: Prof. Neil Wallace.
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Major Adviser: Prof. T. J. Sargent.
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Major: Economics. Minor: Supporting Program. Thesis: An Alternative Concept of Rationality for Conjectural Equilibria.
Major Adviser: Prof. Leonid Hurwicz.
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Major Adviser: Prof. Neil Wallace.
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Major Adviser: Prof. Neil Wallace.
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Major: Economics. Minor: Supporting Program. Thesis: Imperfect Information in General Equilibrium.
Major Adviser: Prof. Neil Wallace.
1981. Zvi Eckstein. B.A.'75, Tel-Aviv University.
Major: Economics. Minor: Supporting Program. Thesis: Rational Expectations Modeling of Agricultural Supply: The Egyptian Case.
Major Adviser: Prof. A. O. Krueger.
1981. Martin Stewart Eichenbaum. B.Comm.'76, McGill University.
Major: Economics. Minor: Supporting Program. Thesis: A Rational Expectations Equilibrium Model of the Cyclical Behavior of Employment and Inventories of Finished Goods.
Major Adviser: Prof. T. J. Sargent.
1981. Terri Ann Erickson. B.S.'74, University of Minnesota.
Major: Economics. Minor: Supporting Program. Thesis: Variations in the Income Elasticity of the Residential Property Tax Base.
Major Adviser: Prof. E. M. Foster.

Economics

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Major: Economics. Minor: Supporting Program. Thesis: Inflation and the Rate of Interests: A Re-Examination.
Major Adviser: Prof. Neil Wallace.
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1981. Alfonso Jose Martinez. Licenciado en Economia '75, Licenciado en Administracion de Empresas '77, Pontifica Universidad Catolica Argentina.
Major: Economics. Minor: Supporting Program. Thesis: Financial Legal Restrictions and Monetary Policy in an Open Economy Argentina 1961 - 1979.
Major Adviser: Prof. Neil Wallace.
1981. George Thomas McCandless, Jr. B.S.'69, Worcester Polytechnic.
Major: Economics. Minor: Supporting Program. Thesis: Optimal Taxation in an Open Economy with Tariffs and Inflation.
Major Adviser: Prof. Neil Wallace.
1981. Teodoro Millan. Licenciado '76, Universidad Autonoma de Madrid.
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Major: Economics. Minor: Supporting Program. Thesis: A Stochastic Adjustment Process for Non-convex and Indecomposable Environments.
Major Adviser: Prof. M. K. Richter.
1981. John Raymond Schroeter. B.S.'73, California Institute of Technology.
Major: Economics. Minor: Supporting Program. Thesis: Taxicab Profitability and Service Quality in the Radio Dispatch Mode: The Effects of Fare Structure and Fleet Size Regulation.
Major Adviser: Prof. H. D. Mohring.
1981. David Peter Schutte. B.A.'68, University of California, Berkeley; M.S.'75, University of Texas, Dallas.
Major: Economics. Minor: Supporting Program. Thesis: The Behavior of Treasury Bill Prices During Refunding Periods.
Major Adviser: Prof. T. J. Sargent.
1981. Michael Jay Stutzer. B.S.'74, University of Minnesota.
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Major Adviser: Prof. O. H. Brownlee.
1981. Eiji Tajika. B.A.'73, Hitotsubashi University.
Major: Economics. Minor: Supporting Program. Thesis: Optimal Pricing Policies for Economic Development.
Major Adviser: Prof. O. H. Brownlee.
1981. Charles Hamilton Whiteman. B.A.'75, University of Kansas.
Major: Economics. Minor: Supporting Program. Thesis: Moving Average Representations in Rational Expectations Models.
Major Adviser: Prof. T. J. Sargent.
1982. Kookshin Ahn. B.Eco.'69, Seoul National University.
Major: Economics. Minor: Supporting Program. Thesis: Equilibrium Paths in the Nested Utility Model: Cobb-Douglas Example.
Major Adviser: Prof. Neil Wallace.

Economics

1982. Agustin F. Ayuso. B.B.A. with high honors '69, University of Puerto Rico; M.A.'70, University of Oklahoma.

Major: Economics. Minor: Statistics. Thesis: The Transmission of Fluctuations from the Continental United States to Puerto Rico: A Manufacturing Microeconomic Approach with Weakly Specified Lag Distribution.

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1982. Meir Barnea. B.S.'72, M.S.'74, Technion-Israel Institute of Technology.

Major: Economics. Minor: Supporting Program. Thesis: Incentive Structures Maximizing Residual Gain in a Firm Under Imperfect Information.

Major Adviser: Prof. Leonid Hurwicz.

1982. Barry Lee Falk. B.A. magna cum laude '73, University of Pennsylvania.

Major: Economics. Minor: Supporting Program. Thesis: An Application of Rational Expectations Modelling Techniques to Policy Evaluation in the Housing Market.

Major Adviser: Prof. C. E. Swan.

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Major Adviser: Prof. A. O. Krueger.

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Major: Economics. Minor: Supporting Program. Thesis: An International Comparison of Income Distribution.

Major Adviser: Prof. J. S. Chipman.

1983. Scott John Freeman. B.A. with honors '76, University of Wisconsin.

Major: Economics. Minor: Supporting Program. Thesis: Transaction Costs and the Optimal Quantity of Money.

Major Adviser: Prof. Neil Wallace.

1983. Gregory William Huffman. B.Com. with high honors and distinction '79, University of Saskatchewan.

Major: Economics. Minor: Supporting Program. Thesis: An Overlapping Generations Model of Asset Pricing.

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1983. Alfredo Mario Leone. B.A.'75, University of Buenos Aires; M.A.'82, University of Minnesota.

Major: Economics. Minor: Supporting Program. Thesis: Inflation and the Relative Price of Durable and Non-Durable Goods in Overlapping Generations Models.

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Economics

1983. Jose Luis Machinea. Lic.en Economica '69, Pontificia Universidad Catolica Argentina.
Major: Economics. Minor: Supporting Program. Thesis: The Use of the Exchange Rate As An Anti-Inflationary Instrument in a Stabilization-Liberalization Attempt: The Southern Cone Experience.
Major Adviser: Prof. A. O. Krueger.
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Major Adviser: Prof. T. J. Sargent.
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Major: Economics. Minor: Supporting Program. Thesis: Retail and Wholesale Prices in Chile, International Commodity Arbitrage and Commerce Intermediation Services.
Major Adviser: Prof. A. O. Krueger.
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Major Adviser: Prof. J. S. Chipman.
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Major: Economics. Minor: Supporting Program. Thesis: A Rational Expectations Equilibrium Model of Capital Accumulation Under Uncertainty.
Major Adviser: Prof. T. J. Sargent.
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Major: Economics. Minor: Supporting Program. Thesis: Search Unemployment, the Business Cycle and the Stochastic Growth.
Major Adviser: Prof. E. C. Prescott.
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Major Adviser: Prof. T. J. Sargent.
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Major: Economics. Minor: Mathematics. Thesis: Agents' Information as a Market Variable: New Techniques.
Major Adviser: Prof. J. S. Jordan.
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Major: Economics. Minor: Supporting Program. Thesis: On the Highest Degree of Smoothness of Outcome Functions Compatible With Quantity Constrained Equilibrium Non-Walrasian Performance.
Major Adviser: Prof. Leonid Hurwicz.
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Major Adviser: Prof. C. A. Sims.
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Economics

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Economics

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Major Adviser: Prof. H. D. Mohring.
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Major Adviser: Prof. R. D. Feldman.
1986. Yuet-Chang Joseph Lin. B.A. magna cum laude '72, Carleton College.
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Economics

1986. Rodolfo Ernesto Manuelli. Licenciatura '75, Universidad de Buenos Aires.
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1986. Soledad Nunez. Licenciatura '79, Universidad Complutense de Madrid.
Major: Economics. Minor: Supporting Program. Thesis: Unemployment in Some OECD Countries: Estimating and Modeling the Effects of the Proportion of Population with Education.
Major Adviser: Prof. C. A. Sims.
1986. Pedro Telhado Pereira. Licenciado '79, Universidade Catolica Portuguesa; M.A. '84, University of Minnesota.
Major: Economics. Minor: Supporting Program. Thesis: Determinants and Consequences of Pre-Marital Decisions in an Environment with Divorce.
Major Adviser: Prof. M. R. Rosenzweig.
1986. Yoshikiyo Sakai. B.A. '75, M.A. '77, Keio University, Tokyo.
Major: Economics. Minor: Supporting Program. Thesis: An Asset-Pricing Model With Incomplete Trading Opportunities.
Major Adviser: Prof. Neil Wallace.
1986. Kenichi Sakakibara. B.Econ. '77, M.Econ. '79, Hitotsubashi University.
Major: Economics. Minor: Supporting Program. Thesis: Expectations and the Non-Neutrality of Money: A Legal Restriction Theory of Business Cycles.
Major Adviser: Prof. Neil Wallace.
1986. Oz Shy. B.A. '81, The Hebrew University of Jerusalem.
Major: Economics. Minor: Supporting Program. Thesis: Trade Restrictions That Improve World Welfare.
Major Adviser: Prof. J. S. Chipman.
1986. Tapendra Narayan Sinha. B.Stat. with honors '77, M.Stat. '79, Indian Statistical Institute.
Major: Economics. Minor: Supporting Program. Thesis: Essays on the Theory of Uncertain Lifetimes.
Major Adviser: Prof. E. M. Foster.
- ### Family Social Science
1984. John Paul Clarke. B.A. '70, M.S. '74, Northern Illinois University.
Major: Family Social Science. Minor: Supporting Program. Thesis: The Family Types of Schizophrenics, Neurotics, and "Normals".
Major Adviser: Prof. D. H. Olson.
1984. Leni de Mik. B.A. '65, Ohio University.
Major: Family Social Science. Minor: Supporting Program. Thesis: Cultural Information Exchange and Adaptability of Third Generation Dutch-Canadian Immigrant Families.
Major Adviser: Prof. P. C. Rosenblatt.
1984. Patrick Michael Doyle. B.A. '68, M.S.W. '74, University of Minnesota.
Major: Family Social Science. Minor: Supporting Program. Thesis: Child Custody and Mediation: A Two Year Follow-Up.
Major Adviser: Prof. D. H. Olson.

Family Social Science

1984. Gerald Thomas Hadd. B.S.'78, Brigham Young University; M.A.'81, University of Minnesota.
Major: Family Social Science. Minor: Supporting Program. Thesis: A Study of Agreement and Convergence in Spouses' Responses to Survey Items in Family Research.
Major Adviser: Prof. P. G. Boss.
1984. Michael Steven Kearney. B.S.'68, Northern Michigan University; M.S.W.'71, Wayne State University.
Major: Family Social Science. Minor: Supporting Program. Thesis: A Comparative Study of Multiple Family Group Therapy and Individual Conjoint Family Therapy Within an Outpatient Community Chemical Dependency Treatment Program.
Major Adviser: Prof. H. I. McCubbin.
1985. Howard Livingstone Barnes. B.A. '72, Macalester College; M.S. '80, Kansas State University.
Major: Family Social Science. Minor: Supporting Program. Thesis: Discrepancy in Family Perceptions: Conceptual and Methodological Issues.
Major Adviser: Prof. D. H. Olson.
1985. Linda Padou Burkett. B.A. '65, University of California, Berkeley; M.A. '80, University of Minnesota.
Major: Family Social Science. Minor: Supporting Program. Thesis: Parenting Behaviors of Women Who Were Sexually Abused as Children in Their Families of Origin.
Major Adviser: Prof. P. G. Boss.
1985. Joan Kay Comeau. B.S. with distinction '70, Iowa State University; M.A. '76, Chapman College.
Major: Family Social Science. Minor: Supporting Program. Thesis: Family Stressors, Resources, and Perceptions: Impact on the Health Status of the Chronically Ill Child.
Major Adviser: Prof. H. I. McCubbin.
1985. Yoav Lavee. B.A. '72, M.A. magna cum laude '76, Tel-Aviv University.
Major: Family Social Science. Minor: Supporting Program. Thesis: Family Types and Family Adaptation to Stress: Integrating the Circumplex Model of Family Systems and the Family Adjustment and Adaptation Response Model.
Major Advisers: Profs. D. H. Olson and H. I. McCubbin.
1985. Jill Beth Margolis. B.A. '70, University of Minnesota; M.S. '79, Mankato State University.
Major: Family Social Science. Minor: Supporting Program. Thesis: Midlife Jewish Families in Minneapolis: An Empirically Derived Profile.
Major Adviser: Prof. P. G. Boss.
1985. Gretchen Stein Schmitt. B.S. with distinction '77, M.A. '78, University of Minnesota.
Major: Family Social Science. Minor: Supporting Program. Thesis: Congruence of Perception in the Sexual Experience.
Major Adviser: Prof. Gerhard Neubeck.
1985. Anne Catherine Speckhard. B.S. with distinction '80, M.S. '81, University of Wisconsin.
Major: Family Social Science. Minor: Supporting Program. Thesis: The Psycho-Social Aspects of Stress Following Abortion.
Major Adviser: Prof. P. G. Boss.
1985. Sara Elizabeth Wright. B.S.Ed. '72, M.Ed. '75, University of Texas.
Major: Family Social Science. Minor: Supporting Program. Thesis: Premenstrual Syndrome (PMS) and Perceived Marital Inequity.
Major Adviser: Prof. Gerhard Neubeck.

Family Social Science

1986. Andrea Susan Larsen. B.A. with high honor '73, M.S.W. '75, Michigan State University.

Major: Family Social Science. Minor: Supporting Program. Thesis: Predicting Early Marital Adjustment: A Follow-Up Study Using Prepare and Enrich.

Major Adviser: Prof. D. H. Olson.

Geography

1976. Virgil Harold Holder. B.S.E.'64, M.A.'66, University of Arkansas. Major: Geography. Minor: Supporting Program. Thesis: The Migration of Retirees to Mexico: A Survey and Case Study of Guadalajara, Mexico. Major Adviser: Prof. W. J. Barrett.

1976. Kathleen Mary Molnar. A.B.'69, Syracuse University; M.A.'71, Kent State University. Major: Geography. Minor: Supporting Program. Thesis: Nonpublic Schools and Neighborhood Stability: Geographic Considerations for Public Policy in Education.

Major Adviser: Prof. J. S. Adams.

1976. Robert Clifford Ostergren. B.A. magna cum laude '70, M.A.'72, University of Minnesota.

Major: Geography. Minor: History. Thesis: Rattvik to Isanti: A Community Transplanted.

Major Adviser: Prof. J. G. Rice.

1976. Eliahu Stern. B.A. cum laude '73, M.A. cum laude '74, Tel-Aviv University.

Major: Geography. Minor: Supporting Program. Thesis: Bus Transportation as an Intra-Regional Transit Mode.

Major Adviser: Prof. R. B. Adams.

1977. Ki-Suk Lee. B.A.'63, M.Ed.'68, Seoul National University; M.A.'73, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: A Social Geography of Greater Seoul: Processes and Patterns of Metropolitan Expansion.

Major Adviser: Prof. J. W. Webb.

1977. Kenneth Robert Olwig. A.B.'67, Shimer College; M.A.'71, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: The Morphology of a Symbolic Landscape: A Geosophical Case Study of the Transformation of Denmark's Jutland Heaths Circa 1750-1950.

Major Adviser: Prof. Y. F. Tuan.

1977. Siyoung Park. B.A.'67, M.Ed.'70, Seoul National University.

Major: Geography. Minor: Supporting Program. Thesis: The Changing Role of Periodic Markets in the Development of Rural Korea.

Major Adviser: Prof. J. S. Adams.

1977. Steven Kent Pontius. A.B.'67, A.M.'71, Indiana University.

Major: Geography. Minor: Supporting Program. Thesis: Innovation Decision-Making Process: A Communications Perspective.

Major Adviser: Prof. R. H. Skaggs.

1977. William Edward Sperbeck. B.A.'70, M.S.'72, University of Wisconsin.

Major: Geography. Minor: Supporting Program. Thesis: Spece and Order in Human Behavior: Urban Retail Travel and Structure.

Major Adviser: Prof. J. S. Adams.

1978. Thomas John Baerwald. B.A. with honors '72, Valparaiso University; M.A.'75, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Locational Decision-Making in Suburban Residential Development.

Major Adviser: Prof. J. R. Borchert.

Geography

1978. Verdell Fredrick Borth. B.S.'66, Mankato State College; M.A.'72, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Geographical Epistemology: The Growth and Limits of Geographical Inquiry.
Major Adviser: Prof. F. E. Lukermann.
1978. Robert Alan Britton. B.A.'73, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: International Tourism and Indigenous Development Objectives: A Study with Special Reference to the West Indies.
Major Adviser: Prof. R. B. Adams.
1978. John Albert Rorabacher. B.S.'67, Michigan State University; M.A.'70, University of Texas.
Major: Geography. Minor: Supporting Program. Thesis: The Diffusion of Agricultural Innovations in Northern India: A Regional Study.
Major Adviser: Prof. J. E. Schwartzberg.
1978. Joel Sobel. B.S.'69, Pennsylvania State University; M.A.'71, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: The Urban Frontier Labor Force: Structure and Persistence in Three Nineteenth Century Minnesota Towns.
Major Adviser: Prof. J. G. Rice.
1978. Jean Constance Bassett Waddington. B.S. with honours '56, University of Bristol; M.S.'68, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Vegetational Changes Associated with Settlement and Land-Clearance in Minnesota over the Last 125 Years: A Comparison of Historical and Sedimentary Records.
Major Adviser: Prof. R. H. Squires.
1979. Linda Ruth Horton Graber. B.A.'70, University of Colorado, Boulder; M.A.'74, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Development Control and the Sense of Place: Experiential Foundations of Contemporary Land-Use Planning Movements.
Major Adviser: Prof. Y. F. Tuan.
1979. James L. Hufferd. B.S.'67, Iowa State University; M.A.'74, University of Wyoming.
Major: Geography. Minor: Supporting Program. Thesis: Pioneering: Cultural Integration of the Canadian Prairie in the Pioneer Period.
Major Adviser: Prof. F. E. Lukermann.
1979. Timothy Joseph Kelly. B.A. cum laude '70, B.S. with distinction '70, M.A.'73, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Sulfur Dioxide in the Minneapolis-St. Paul Metropolitan Area.
Major Adviser: Prof. R. H. Skaggs.
1979. Myongsup Shin. B.A.'63, Yonsei University; M.A.'66, University of Hawaii.
Major: Geography. Minor: Supporting Program. Thesis: Hawaii: A Study of Images and Anti-Images with a Special Focus on Its Dry Lands.
Major Adviser: Prof. Y. F. Tuan.
1979. Terry Allan Simmons. A.B.'68, University of California, Santa Cruz.
Major: Geography. Minor: Anthropology. Thesis: But We Must Cultivate Our Garden: Twentieth Century Pioneering in Rural British Columbia.
Major Adviser: Prof. Y. F. Tuan.
1979. Richard Wolniewicz. B.S.'64, U.S. Air Force Academy; A.M.'70, Indiana University.
Major: Geography. Minor: Supporting Program. Thesis: Northeast Minneapolis: Location and Movement in an Ethnic Community.
Major Adviser: Prof. J. G. Rice.

Geography

1980. Michael Daniel Albert. B.S.'69, Pennsylvania State University; M.A.'74, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Japanese American Communities in Chicago and the Twin Cities.
Major Adviser: Prof. P. W. Porter.

1980. William James Craig. B.A.'65, M.A.'72, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Monitoring Minnesota's Land Using Public Records.
Major Adviser: Prof. F. E. Lukermann.

1980. Bryan Ralph Higgins. B.S. cum laude '70, M.A.'76, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Visions of People: A Look at Imagination, Philosophies of the Land, and the Well Being of People.
Major Adviser: Prof. F. E. Lukermann.

1980. Mickey Lauria. B.A.'75, University of California; M.A.'77, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Community Controlled Redevelopment: South Minneapolis.
Major Adviser: Prof. F. E. Lukermann.

1980. Paul David Meartz. B.A.'72, University of Wisconsin; M.A.'74, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: The Third World Information-Gathering Systems of American-Based Multi-National Corporations.
Major Adviser: Prof. J. E. Schwartzberg.

1981. Charles E. Dick. B.S.'62, M.S.'69, Mankato State College.
Major: Geography. Minor: Supporting Program. Thesis: A Geographical Analysis of the Development of the Brewing Industry of Minnesota.
Major Adviser: Prof. R. B. Adams.

1981. Katherine M. Kvale. B.A.'73, M.A.'76, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Schistosomiasis in Brazil: A Case Study of a New Focus in Pentecost, Ceara.
Major Adviser: Prof. W. J. Barrett.

1981. Su-chang Wang. B.S.'67, National Taiwan University; M.A.'72, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Preference and Choice of Residence in Southeastern T'ai-Peh.
Major Adviser: Prof. D. A. Brown.

1982. James Thomas Hathaway. B.A. magna cum laude '73, M.A.'75, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: The Evolution of Drinking Places in the Twin Cities: From the Advent of White Settlement to the Present.
Major Adviser: Prof. Y. F. Tuan.

1982. Rebecca Lou Smith. B.A. with great distinction '74, M.A.'77, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: Neighborhoods Inside and Out: Comparative Perspectives on the Meaning of "Neighborhood".
Major Adviser: Prof. J. S. Adams.

1982. Julie Ann Winkler. B.S. summa cum laude '76, M.A.'77, University of Minnesota.
Major: Geography. Minor: Supporting Program. Thesis: A Synoptic-Dynamic Climatology of Extreme Precipitation in Minnesota.
Major Adviser: Prof. R. A. Skaggs.

Geography

1983. Trevor John Barnes. B.S. with honors '78, University College London; M.A.'80, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: The Geography of Value, Production and Distribution: Theoretical Economic Geography After Sraffa.

Major Adviser: Prof. E. S. Sheppard.

1983. Robin Elisabeth Datel. B.A. with highest honors '76, University of California, Davis; M.A.'78, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Historic Districts in Three American and Two Western European Cities: A Geographical Study.

Major Adviser: Prof. J. S. Adams.

1983. Heeyeon Park Lee. B.A.'75, Seoul National University; M.A.'81, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Spatial Theory of Regional Development in the Third World Countries: A Case Study of Korea.

Major Adviser: Prof. J. S. Adams.

1983. Dana Noonan. B.A.'66, College of St. Catherine; M.A.'75, M.A.'76, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Inter-generational Differences in the Social Status and Geographical Mobility of Mexican Americans in the Urban Southwest.

Major Adviser: Prof. J. S. Adams.

1983. Lizbeth Ann Pyle. B.A.'75, Slippery Rock State College; M.A.'77, University of South Carolina.

Major: Geography. Minor: Supporting Program. Thesis: Rural Landowners and the Exurbanization Process.

Major Adviser: Prof. J. F. Hart.

1984. Gerald Edward Anderson. B.S. with distinction '53, M.S.'56, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: A Revenue Field Theory of Central Place Dynamics.

Major Adviser: Prof. R. B. Adams.

1984. Mark Jansen Bouman. B.A. with high distinction '78, Valparaiso University; M.A.'81, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: City Lights and City Life: A Study of Technology and Urbanity.

Major Adviser: Prof. Y. F. Tuan.

1984. Michael Graham Curry. B.A.'71, New College; B.A.'77, M.A.'80, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: After Nuclear War: Possible Worlds and the Cult of Expertise.

Major Adviser: Prof. Y. F. Tuan.

1984. Patrick Vincent McGreevy. B.A.'72, University of Notre Dame; M.A.'79, State University of New York at Buffalo.

Major: Geography. Minor: Supporting Program. Thesis: Visions at the Brink: Imagination and the Geography of Niagara Falls.

Major Adviser: Prof. Y. F. Tuan.

1984. April Rene Veness-Randle. B.A.'76, University of Arizona; M.A.'79, Michigan State University.

Major: Geography. Minor: Supporting Program. Thesis: "But It's (Not) Supposed to Feel Like Home": Ethnicity and Place on the West Side of St. Paul, Minnesota.

Major Adviser: Prof. Y. F. Tuan.

Geography

1984. James Ray Wilson. B.A.'52, Miami University; M.A.'56, Ohio State University.

Major: Geography. Minor: Supporting Program. Thesis: Multinational Enterprise in Brazilian Geographic Development: 1968-1978.

Major Adviser: Prof. E. C. Mather.

1985. Robert Orvis Bixby. B.A. '73, M.A. '75, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Small Town Public Housing: A Geographic Analysis and Case Study.

Major Adviser: Prof. R. B. Adams.

1985. James Albert Brothen. B.S. '70, M.A. '74, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: Social Change in a Rural Norwegian Parish Nore: 1800-1900.

Major Adviser: Prof. J. G. Rice.

1985. Janel Marie Curry-Roper. B.A. with high honors '77, Bethel College; M.A. '81, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: A Historical Geography of Land Ownership in Minnesota: The Influence of the Timber and Stone Act.

Major Adviser: Prof. R. H. Squires.

1985. Brian Harley Hanson. B.A. summa cum laude '78, Moorhead State University; M.A. '80, University of Minnesota.

Major: Geography. Minor: Physics. Thesis: Climate Sensitivity of a Numerical Model of Ice-Sheet Dynamics and Thermodynamics.

Major Advisers: Profs. R. H. Skaggs and R. L. Hooke.

1985. Kwai-Shing Poon. B.A. '66, National Taiwan Normal University; M.A. '75, University of Minnesota.

Major: Geography. Minor: Supporting Program. Thesis: The Impact of Confucianism on Spatial Organization.

Major Adviser: Prof. Y. F. Tuan.

1985. John Martin Weiss. B.A. with honors '79, University of Wisconsin; M.A. '81, University of Minnesota.

Major: Geography. Minor: History. Thesis: Patterns of Residential Mobility in Edinburgh, 1775-1800.

Major Adviser: Prof. J. G. Rice.

History

1976. Charles Frederick Aling. B.A.'68, M.A.'70, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: A Prosopographical Study of the Reigns of Thutmosis IV and Amenhotip III.

Major Adviser: Prof. T. B. Jones.

1976. Patricia Ann Aufderheide. B.A. summa cum laude '69, M.A.'73, University of Minnesota.

Major: History. Minor: Anthropology. Thesis: Order and Violence: Social Deviance and Social Control in Brazil, 1780-1840.

Major Adviser: Prof. S. B. Schwartz.

1976. Jerry Harrell Bentley. B.A. with high honors '71, University of Tennessee; M.A.'74, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Humanists and Holy Writ: The Pauline Scholarship of Lorenzo Valla and Erasmus.

Major Adviser: Prof. J. D. Tracy.

1976. Winifred D. Wandersee Bolin. B.S.'63, Iowa State University; M.A.'69, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Past Ideals and Present Pleasures: Women, Work, and Family, 1920-1940.

Major Adviser: Prof. C. A. Chambers.

History

1976. Keith Paul Dyrud. B.A. cum laude '65, Augsburg College.
Major: History. Minor: Supporting Program. Thesis: The Rusin Question in Eastern Europe and in America: 1890- World War I.
Major Adviser: Prof. T. G. Stavrou.
1976. Helen Gene Hebrank. A.B.'67, Mount Holyoke College; M.A.'70, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Manchester and the Struggle for Nondenominational Education 1847-1870.
Major Adviser: Prof. J. L. Altholz.
1976. Suzanne Lucille Martin. B.A.'69, Chatham College; M.A.'72, University of Minnesota.
Major: History. Minor: Classics. Thesis: Late Helladic IIIA: 1 Pottery in Messenia and Laconia.
Major Adviser: Prof. T. B. Jones.
1976. David Mark McGuiness. B.A.'69, St. Ambrose College; M.A.'70, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Studies in Neo-Sumerian Administrative Machinery.
Major Adviser: Prof. T. B. Jones.
1976. Anne Smillee Webb. B.A. cum laude '53, St. Lawrence University.
Major: History. Minor: Supporting Program. Thesis: On the Eve of Revolution: Northampton, Massachusetts, 1750-1775.
Major Adviser: Prof. D. W. Noble.
1977. LeRoy Albrecht Boerneke. B.A.'52, Northwestern College.
Major: History. Minor: Supporting Program. Thesis: The Dawn of the Ecumenical Age: Anglican, Old Catholic, and Orthodox Reunion Negotiation of the 1870's.
Major Adviser: Prof. T. G. Stavrou.
1977. Daniel Walter Cryer. B.A.'66, College of Wooster; M.A.'69, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Mary White Ovington and the Rise of the N.A.A.C.P.
Major Adviser: Prof. A. H. Spear.
1977. Douglas Wayne Ellingson. B.A.'69, M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Politics of the French Chamber of Deputies, 1881-1889.
Major Adviser: Prof. J. K. Munholland.
1977. Steven Curtis Fanning. B.A. with honors '69, M.A.'70, Texas Technological University.
Major: History. Minor: Supporting Program. Thesis: Church, Family and Politics Before the Gregorian Reform: The Case of Hubert, Bishop of Angers, 1006-1047.
Major Adviser: Prof. B. S. Bachrach.
1977. Paul L. Holmer. B.A. magna cum laude '69, St. Olaf College; M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Studies in the Military Organization of the Yorkist Kings.
Major Adviser: Prof. S. E. Lehmberg.
1977. Alice Ngai-Ha Lun Ng. B.A.'58, M.A.'67, University of Hong Kong.
Major: History. Minor: Supporting Program. Thesis: Development of Government Education for the Chinese in Hong Kong, 1842-1913.
Major Adviser: Prof. R. S. Taylor.
1977. James Arthur Quirin. B.A.'65, M.A.'71, University of Oregon.
Major: History. Minor: Supporting Program. Thesis: The Beta Israel (Felasha) in Ethiopian History: Caste Formation and Culture Change, 1270-1868.
Major Adviser: Prof. A. F. Isaacman.

History

1977. Michael Gerald Rapp. B.A. with honor '63, Drake University; M.A.'66, De Paul University.
Major: History. Minor: Supporting Program. Thesis: Anti-Semitism in Minnesota, 1920-1960--with Particular Emphasis on Minneapolis and St. Paul.
Major Adviser: Prof. R. J. Vecoli.
1977. Patrick Anthony Roche. B.A.'65, Ranchi University; M.A.'73, University of Minnesota.
Major: History. Minor: Anthropology. Thesis: The Paravas of the Coromandel: A History of a Sea-Faring Caste.
Major Adviser: Prof. D. S. Lelyveld.
1977. Mitchell Edward Rubinstein. A.B.'67, University of Illinois; M.A.'70, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: French Conservative Foreign Policy and the War Scare of 1875.
Major Adviser: Prof. D. O. Kieft.
1977. Otto Johann Schaden. A.B.'59, M.A.'66, University of Chicago.
Major: History. Minor: Supporting Program. Thesis: The God's Father, Ay.
Major Adviser: Prof. T. B. Jones.
1977. Jeffrey Taylor Schwedes. A.B.'64, Princeton University; M.A.'71, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Winston Churchill's War Aims in Europe, 1940-1945.
Major Adviser: Prof. D. O. Kieft.
1977. Malik Simba. B.A.'70, Southern Colorado State College; M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Black Laborer, the Black Legal Experience and the United States Supreme Court with Emphasis on the Neo-Concept of Equal Employment.
Major Adviser: Prof. P. L. Murphy.
1977. David Vassar Taylor. B.A.'67, University of Minnesota; M.A.'71, University of Omaha.
Major: History. Minor: Supporting Program. Thesis: Pilgrim's Progress: Black St. Paul and the Making of an Urban Ghetto 1870-1930.
Major Adviser: Prof. A. H. Spear.
1977. Quintard Taylor, Jr. B.A.'69, St. Augustine's College; M.A.'71, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: A History of Blacks in the Pacific Northwest: 1788-1975.
Major Adviser: Prof. A. H. Spear.
1977. Richard George Weeks, Jr. B.A.'66, Macalester College; M.A.'69, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Peter Andreevich Shuvalov: Russian Statesman.
Major Adviser: Prof. T. G. Stavrou.
1977. John Earl Wiita. B.A.'62, University of Connecticut.
Major: History. Minor: Greek. Thesis: The Ethnika in Byzantine Military Treatises.
Major Adviser: Prof. T. B. Jones.
1978. Deborah Yellin Bachrach. B.A. cum laude '74, M.A.'64, Queens College.
Major: History. Minor: Supporting Program. Thesis: The Impact of the Dreyfus Affair on Great Britain.
Major Adviser: Prof. J. L. Altholz.

History

1978. Dale Baum. B.A.'65, Georgetown University; M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Political World of Massachusetts Radicalism: Voting Behavior and Ideology in the Civil War Party System, 1854-1872.
Major Adviser: Prof. G. D. Green.
1978. Francis Xavier Blouin. B.A.'67, University of Notre Dame; M.A.'69, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Boston 1800-1850: Regional Impact on Urban Economic Development.
Major Adviser: Prof. J. R. Howe, Jr.
1978. George Jer-Lang Chang. B.A.'64, M.A.'68, National Taiwan University; M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Local Control of the Early Ming (1368-1424).
Major Adviser: Prof. R. S. Taylor.
1978. Dennis Richard Clayton. B.A.'65, M.A.'71, University of Minnesota.
Major: History. Minor: Russian. Thesis: Parish or Publish: The Kiev Ecclesiastical Academy (1819-1869).
Major Adviser: Prof. T. G. Stavrou.
1978. John Middleton Garland. A.B.'64, University of Illinois; M.A.'68, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Parliament, Foreign Policy, and Supply: A Study of English Politics in the Mid-1620's.
Major Adviser: Prof. S. E. Lehmborg.
1978. John Earl Haynes. B.A. magna cum laude '66, Florida State University; M.A.'68, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Liberalism, Communism, and the Popular Front in Minnesota: The Struggle To Control the Political Direction of the Labor Movement and Organized Liberalism, 1936-1950.
Major Adviser: Prof. Hyman Berman.
1978. Richard Michael Hogan. B.A. summa cum laude '73, College of St. Thomas.
Major: History. Minor: Supporting Program. Thesis: The Angevin Church in the First Feudal Age: A Study of the Career, Family and Politics of Bishop Rainald II of Angers (973-1005).
Major Adviser: Prof. B. S. Bachrach.
1978. Shlomit Elbaum Horn. B.A.'69, Hebrew University of Jerusalem; M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Jerusalem Bishopric 1841.
Major Adviser: Prof. J. L. Altholz.
1978. Dwight Wiley Jessup. B.A.'60, Bethel College; M.A.'65, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Reaction and Accommodation: The United States Supreme Court and Political Conflict 1809-1835.
Major Adviser: Prof. P. L. Murphy.
1978. Charles Francis Klinger. B.A. cum laude '65, M.A.'67, Ohio State University.
Major: History. Minor: Supporting Program. Thesis: Historical Explanation in the Latin Historiography of Anglo-Saxon England.
Major Adviser: Prof. B. S. Bachrach.

History

1978. Steve Robert Marquardt. B.A.'66, Macalester College; M.A.'70, '74, University of Minnesota.
Major: History. Minor: Political Science. Thesis: Joseph Reinach (1856-1921): A Political Biography.
Major Adviser: Prof. J. K. Munholland.
1978. John Albert Mayer. B.A. cum laude '68, St. Olaf College; M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Private Charities in Chicago from 1871 to 1915.
Major Adviser: Prof. C. A. Chambers.
1978. Nicholas Vincent Montalto. B.S.'64, Manhattan College; M.A.'69, Georgetown University.
Major: History. Minor: Supporting Program. Thesis: The Forgotten Dream: A History of Intercultural Education Movement, 1924-41.
Major Adviser: Prof. R. J. Vecoli.
1978. Kenneth Basil Moss. A.B. with high distinction '71, Indiana University; M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Bureaucrat as Diplomat: George S. Messersmith and the State Department's Approach to War, 1933-1941.
Major Adviser: Prof. K. J. Brauer.
1978. Frederick Bruce Robinson, Jr. B.A.'62, M.A.'66, Trinity College.
Major: History. Minor: Supporting Program. Thesis: Response to Colonial Rule by the "Wild Tribes" of the Bombay Deccan, 1818-1880. From Political Competition to Social Banditry.
Major Adviser: Prof. David Kopf.
1978. Joseph Petrovich Stipanovich. B.S.'70, M.A.'73, University of Utah.
Major: History. Minor: Supporting Program. Thesis: Immigrant Workers and Immigrant Intellectuals in Progressive America: A History of the Yugoslav Socialist Federation, 1900-1918.
Major Adviser: Prof. Hyman Berman.
1978. William Ray VanEssendelft. B.A.'65, Adelphi Suffolk College.
Major: History. Minor: American Studies. Thesis: History of the Association for Voluntary Sterilization 1935-1964.
Major Adviser: Prof. C. A. Chambers.
1979. Thomas T. Allsen. B.A.'62, Portland State College; M.A.'64, University of Washington; M.L.S.'69, University of Oregon.
Major: History. Minor: Supporting Program. Thesis: Politics of Mongol Imperialism: Centralization and Resource Mobilization in the Reign of the Grand Qan Mongke, 1251-59.
Major Adviser: Prof. R. S. Taylor.
1979. William Marks Bomash. A.B.'64, Knox College.
Major: History. Minor: Scandinavian. Thesis: Royal Debt, Noble Power, Ecclesiastical Wealth: The Fiscal Crisis of the Danish Monarch under Frederik I 1523-1533.
Major Adviser: Prof. J. D. Tracy.
1979. Joseph Michael Boyle. B.A.'69, Fordham University; M.A.'73, University of Minnesota.
Major: History. Minor: Political Science. Thesis: British Foreign Policy During the Tientsin Crisis, 1939-1941.
Major Adviser: Prof. D. O. Kieft.
1979. Marc Cooper. B.A.'73, M.A.'77, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Studies in Neo-Sumerian Administrative Procedures.
Major Adviser: Prof. T. B. Jones.

History

1979. Deborah Sadie Hertz. B.A. summa cum laude '71, M.A.'74, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Literary Salon in Berlin, 1780-1806: The Social History of an Intellectual Institution.
Major Adviser: Prof. O. P. Pflanze.
1979. Lee Richard Johnson. B.A.'64, M.A.'66, M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Novels of Saul Bellow and Norman Mailer: A Study of Their Polar Perceptions of American Reality.
Major Adviser: Prof. D. W. Noble.
1979. Tai-Yung Lin. B.A.'60, National Taiwan University; M.A.'71, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Ming T'ai-tsu and His Administration of Justice.
Major Adviser: Prof. R. S. Taylor.
1979. Daniel Patrick O'Neill. B.A.'63, Manhattan College; A.M.'66, Columbia University.
Major: History. Minor: Supporting Program. Thesis: St. Paul Priests, 1851-1930: Recruitment, Formation, and Mobility.
Major Adviser: Prof. R. J. Vecoli.
1980. Sylvia June Granatir Alexander. B.A. with high honors '70, B.S.'70, M.A.'71, University of Cincinnati.
Major: History. Minor: Supporting Program. Thesis: The Immigrant Church and Community: The Formation of Pittsburgh's Slovak Religious Institutions, 1890-1914.
Major Adviser: Prof. R. J. Vecoli.
1980. James Kasper Benson. Ph.B.'63, University of North Dakota; M.A.'70, University of Minnesota.
Major: History. Minor: Sociology. Thesis: Irish and German Families and the Economic Development of Midwestern Cities, 1860-1895: St. Paul, Minnesota as a Case Study.
Major Adviser: Prof. R. J. Vecoli.
1980. Dale Edward Casper. B.A. with high honor '69, Michigan State University; M.A.'72, M.A.'75, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The King's Good Servants: The Commons House in 1491.
Major Adviser: Prof. S. E. Lehmberg.
1980. Joe Clinton Dixon. B.A.'67, St. Olaf College; M.A.'69, Michigan State University.
Major: History. Minor: Political Science. Thesis: Defeat and Disarmament: A Study of Military Affairs in Austria, 1918-1921.
Major Adviser: Prof. W. E. Wright.
1980. Robert James Ferry. B.A. cum laude '69, University of Colorado; M.A.'74, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Essays in the Society and Economy of Colonial Caracas, 1580-1750.
Major Adviser: Prof. S. B. Schwartz.
1980. Hersch Izek. B.A.'72, M.A.'75, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Roosevelt and the Polish Question, 1941-1945.
Major Adviser: Prof. D. O. Kieft.
1980. James Harvey Jackson, Jr. B.A. magna cum laude '67, Pasadena College; M.A.'69, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Migration and Urbanization in the Ruhr Valley, 1850-1900.
Major Adviser: Prof. O. P. Pflanze.

History

1980. Gregor Charles Kozlowski. B.A.'70, Loyola University; M.A.'75, University of Iowa; M.A.'78, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Muslim Endowments and Society in British India.
Major Adviser: Prof. D. S. Lelyveld.

1980. Vija Rumpe Lawson. B.A.'69, M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Acta Fratrum Arvalium as a Source for Roman Imperial History 23 B.C. to A.D. 243.
Major Adviser: Prof. Thomas Kelly.

1980. Mary O'Neil McCarthy. B.A. with honor '66, M.A.'69, Michigan State University. M.A.'72, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Social Change as a Prelude to Colonialism: The Fante States, 1807-1874.
Major Adviser: Prof. A. F. Isaacman.

1980. Timothy Edward O'Connor. B.A. cum laude '73, M.A.'75, Creighton University.
Major: History. Minor: Slavic and East European Languages. Thesis: The Politics of Soviet Culture: A. V. Lunacharskii--Revolutionary Romanticism and the Soviet Intelligentsia.
Major Adviser: Prof. T. G. Stavrou.

1980. Linda Maurine Ricketts. B.S.'72, M.A.'75, Iowa State University.
Major: History. Minor: Supporting Program. Thesis: The Administration of Ptolemaic Egypt Under Cleopatra VII.
Major Adviser: Prof. T. B. Jones.

1980. Domenico E. Sindico. Laurea '72, Università Degli Studi Di Ferrara; M.A.'74, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Santa Ana Tenango: A Morelos Sugar Hacienda.
Major Adviser: Prof. S. B. Schwartz.

1980. Joe William Trotter, Jr. B.A.'69, Carthage College; M.A.'78, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Making of an Industrial Proletariat: Black Milwaukee, 1915-1945.
Major Adviser: Prof. John Modell.

1981. Carol Jean Berg. B.A.'66, College of St. Benedict; M.A.'69, University of Arizona.
Major: History. Minor: Supporting Program. Thesis: Climbing Learner's Hill: Benedictines at White Earth 1878-1945.
Major Adviser: Prof. C. A. Chambers.

1981. Roland Louis Higgins. A.B.'68, Oberlin College; M.A.'76, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Piracy and Coastal Defense in the Ming Period, Government Response to Coastal Disturbances, 1523-1549.
Major Adviser: Prof. E. L. Farmer.

1981. Helen Humeston. B.A.'67, Clarke College; M.A.'69, Creighton University.
Major: History. Minor: Supporting Program. Thesis: Origins of America's Japan Policy 1790-1854.
Major Adviser: Prof. K. J. Brauer.

1981. Heather Ann Huyck. B.A. cum laude '73, Carleton College; M.A.'78, University of Minnesota.
Major: History. Minor: Anthropology. Thesis: To Celebrate a Whole Priesthood: The History of Women's Ordination in the Episcopal Church.
Major Adviser: Prof. D. W. Noble.

History

1981. Frederick Charles Suppe. A.B.'69, Princeton University; M.A.'73, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Military Institutions on the Welsh Marches: Shropshire, 1066-1300.
Major Adviser: Prof. B. S. Bachrach.
1981. Thomas Marshall Todd. B.A.'62, Carleton College; J.D.'65, University of Chicago; M.A.'69, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Love, Science, and Social Justice: Voices and Conversations from the Urban Community Movement Before the Great War.
Major Adviser: Prof. C. A. Chambers.
1981. William Charles Ziezulewicz. B.A.'76, University of Connecticut; M.A.'78, University of Minnesota.
Major: History. Minor: Latin. Thesis: The Monastery of Saint-Florent-de-Saumur During the Abbacy of Frederick of Tours (1021-1055).
Major Adviser: Prof. B. S. Bachrach.
1982. Stephen Douglas Carls. B.A. with honor '66, Wheaton College.
Major: History. Minor: Art History. Thesis: Louis Loucheur: A French Technocrat in Government, 1916-1920.
Major Adviser: Prof. J. K. Munholland.
1982. Cheryl Ann Cody. B.A. magna cum laude '74, M.A.'77, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Slave Demography and Family Formation: A Community Study of the Ball Family Plantations, 1720-1896.
Major Adviser: Prof. J. R. Howe.
1982. Jon Alan Gjerde. B.A. with highest honors '75, University of Northern Iowa; M.A.'78, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Peasants to Bourgeoisie: The Migration from Balestrand, Norway to the Upper Middle West.
Major Adviser: Prof. R. J. Vecoli.
1982. Lowell Wayne Gudmundson. B.A. with distinction '73, Macalester College; M.A.'74, Stanford University.
Major: History. Minor: Supporting Program. Thesis: Costa Rica Before Coffee: Society and Economy on the Eve of Agro- Export Based Expansion.
Major Adviser: Prof. S. B. Schwartz.
1982. Nicki Harper. B.A.'72, M.A.'75, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Archive of Innaja: A Study in the Internal Chronology of the Cappadocian Texts.
Major Adviser: Prof. T. B. Jones.
1982. Arthur Cyrus Hill. B.A.'60, M.A.'68, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The History of the Black People of Franklin County, Tennessee.
Major Adviser: Prof. C. A. Chambers.
1982. Richard Bach Jensen. B.A. cum laude '69, Macalester College; M.A.'72, University of Kansas.
Major: History. Minor: Supporting Program. Thesis: Liberty and Order: The Theory and Practice of Italian Public Security Policy, 1848 to the Crisis of the 1890s.
Major Adviser: Prof. J. A. Thayer.
1982. Theophilus C. Prousis. B.A.'73, University of Minnesota; M.A.'75, Tufts University.
Major: History. Minor: Supporting Program. Thesis: Russian Cultural Response to the Greek War of Independence (1821-1830).
Major Adviser: Prof. T. G. Stavrou.

History

1982. Kim Lacy Rogers. B.A.'73, Florida State University; M.A.'76, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Humanity and Desire: Civil Rights Leaders and the Desegregation of New Orleans, 1954-1966.
Major Adviser: Prof. C. A. Chambers.

1982. Robert Seward Salisbury. B.A. magna cum laude '71, Middlebury College; M.A.'75, Syracuse University.
Major: History. Minor: Supporting Program. Thesis: William Windom: The Public Career.
Major Adviser: Prof. Hyman Berman.

1982. Carol Louise Urness. B.A. cum laude '57, M.A.'60, University of Minnesota.
Major: History. Minor: Geography. Thesis: Bering's First Expedition: A Re-Examination Based on 18th Century Books, Maps, and Manuscripts.
Major Adviser: Prof. T. G. Stavrou.

1983. David William Heughins. B.A.'66, Eastern Nazarene College; M.A.'71, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: R.D. Hampden and the "Oxford Malignants": The Hampden Controversy of 1836.
Major Adviser: Prof. J. L. Altholz.

1983. Thomas August Kohut. B.A.'72, Oberlin College; M.A.'75, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: The Politicization of Personality and the Personalization of Politics: A Psychohistorical Study of Kaiser Wilhelm II's Leadership of the Germans.
Major Adviser: Prof. Otto Pflanze.

1983. Bryant L. Larson. B.B.A.'41, University of Minnesota; M.A.'78, Portland State University.
Major: History. Minor: Supporting Program. Thesis: The Moslems of Soviet Central Asia: Soviet and Western Perceptions of a Growing Political Problem.
Major Adviser: Prof. T. G. Stavrou.

1983. Elias Coutinho Mandala. B.Soc.S. with distinction '74, M.A.'77, University of Malawi.
Major: History. Minor: Supporting Program. Thesis: Capitalism, Ecology and Society: The Lower Tchiri (Shire) Valley of Malawi, 1860-1960.
Major Adviser: Prof. A. F. Isaacman.

1983. Thomas Frederick Mayer. B.A. with high honor '73, M.A.'77, Michigan State University.
Major: History. Minor: Supporting Program. Thesis: The Life and Thought of Thomas Starkey.
Major Adviser: Prof. S. E. Lehmberg.

1983. Clark Leonard Miller. B.A.'71, University of Michigan; M.A.'77, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: "Let Us Die to Make Men Free", Political Terrorism in Post-Reconstruction Mississippi, 1887-1896.
Major Adviser: Prof. G. D. Green.

1983. Joao Jose Reis. Licentiatuura '74, Universidade Catolica do Salvador, M.A.'77, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: Bahian Society on the Eve of the 1835 Rebellion.
Major Adviser: Prof. S. B. Schwartz.

History

1984. Clark D. Halker. B.A. summa cum laude '76, College of Idaho; M.A.'78, University of Minnesota.
Major: History. Minor: Supporting Program. Thesis: For Democracy, The Working Class, and God: Labor Song-Poems and Working-Class Consciousness, 1865-1895.

Major Adviser: Prof. Hyman Berman.

1984. David Mac Howard-Pitney. B.A.'78, Oregon State University; M.A.'80, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Afro-American Jeremiahs: Black Thought and Leadership and American Civil Religion, 1880-1968.

Major Adviser: Prof. D. W. Noble.

1984. Lawrence Klippenstein. B.A.'59, Goshen College; B.D.'62, Biblical Seminary Goshen College.

Major: History. Minor: Supporting Program. Thesis: Mennonite Pacifism and State Service in Russia. A Case Study in Church-State Relations: 1789-1936.

Major Adviser: Prof. T. G. Stavrou.

1984. Earl Lewis. B.A. magna cum laude '78, Concordia College; M.A.'81, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: "At Work and at Home: Blacks in Norfolk, Virginia, 1910-1945."

Major Adviser: Prof. R. R. Menard.

1984. James Warner O'Neill. B.A.'76, Reed College; M.A.'82, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Popular Culture and Peasant Rebellion in Pre-Famine Ireland.

Major Adviser: Prof. S. E. Lehmborg.

1985. Eugene Harvey Bunnell. A.B. magna cum laude '69, M.A. '70, St. Louis University.

Major: History. Minor: Religious Studies. Thesis: Anton Gunther and Johann Emanuel Veith--The Theologian and the Preacher: A Study in Habsburg Roman Catholicism in the Biedermeier Era.

Major Advisers: Profs. W. E. Wright and J. L. Altholz.

1985. Paul Donald Hesterman. B.A. summa cum laude '73, Luther College; M.A. '77, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Interests, Values, and Public Policy for an Urban River: A History of Development Along the Mississippi River in Saint Paul, Minnesota.

Major Adviser: Prof. G. D. Green.

1985. Curtis Dean Johnson. B.S. magna cum laude '72, Moorhead State University; M.A. '79, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Islands of Holiness: Rural Religion in Cortland County, New York, 1790-1860.

Major Adviser: Prof. G. D. Green.

1985. Angelo Joseph Louisa. B.A. with high honors '73, Saint Vincent College; M.A. '75, Duquesne University.

Major: History. Minor: Supporting Program. Thesis: The Marian Bishops: A Study of the Backgrounds and Ecclesiastical Activities of the Marian Episcopate.

Major Adviser: Prof. S. E. Lehmborg.

1985. Dorothy Sharon MacDonald. B.A. '66, Fresno State College; M.A. '71, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Parliament and Monetary Affairs in Late Medieval England.

Major Adviser: Prof. S. E. Lehmborg.

History

1985. Thomas Burns Mega. B.A. summa cum laude '75, M.A. '78, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Political and Constitutional Development in Pennsylvania: 1739 - 1780.

Major Adviser: Prof. J. R. Howe.

1985. Melissa Lee Meyer. B.A. magna cum laude '77, University of Cincinnati; M.A. '80, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Tradition and the Market: The Social Relations of the White Earth Anishinaabeg, 1889 - 1920.

Major Adviser: Prof. J. R. Howe.

1985. James William Miller. B.A. '78, State University of New York at Binghamton; M.A. '80, University of Minnesota.

Major: History. Minor: Supporting Program. Thesis: Engelbert Dollfuss and Austrian Agriculture: An Authoritarian Democrat and His Policies.

Major Adviser: Prof. W. E. Wright.

1985. Shirley Annette Mullen. B.A. summa cum laude '76, Houghton College; M.A. '77, University of Toronto.

Major: History. Minor: Supporting Program. Thesis: Organized Free Thought: The Religion of Unbelief in Victorian England.

Major Adviser: Prof. J. L. Altholz.

1985. Michael Wagner Stirens. B.A. '68, M.A. '69, University of Minnesota.

Major: History. Minor: Mass Communication. Thesis: First Earl of Clare--John Holles.

Major Adviser: Prof. S. E. Lehmberg.

1985. Richard Eugene Wood. A.B. with honor '65, Wheaton College; A.M. '66, University of Michigan.

Major: History. Minor: Supporting Program. Thesis: Evangelical Quakers in the Mississippi Valley, 1854-1894.

Major Adviser: Prof. T. L. Smith.

1985. Lynn Barry Zastoupil. B.A. '75, Dickinson State College; M.A. '77, The University of Texas at Austin.

Major: History. Minor: Supporting Program. Thesis: J.S. Mill and the British Empire: An Intellectual Biography.

Major Adviser: Prof. J. L. Altholz.

Industrial Relations

1976. David Arnold Pierson. B.M.E. with distinction '70, M.A. '73, University of Minnesota.

Major: Industrial Relations. Minor: Supporting Program. Thesis: Environmental and Institutional Influences on Wage Structure and Behavior.

Major Adviser: Prof. T. A. Mahoney.

1976. Aremanda Venkata Subbarao. B.A. '56, Andhra Christian College; M.S.W. '60, Lucknow University; LL.B. '67, Osmania University.

Major: Industrial Relations. Minor: Supporting Program. Thesis: The Impact of Arbitration on Negotiation Process--An Experimental Study.

Major Adviser: Prof. M. F. Bognanno.

1977. Shimon Landau Dolan. B.A. '71, Tel Aviv University; M.A. '76, University of Minnesota.

Major: Industrial Relations. Minor: Supporting Program. Thesis: Structural and Personal Determinants of Militancy of Teacher's Union National Officers.

Major Adviser: Prof. R. H. Hall.

Industrial Relations

1977. James Barnet Dworkin. B.A. with high honors '70, M.A.'71, University of Cincinnati.
Major: Industrial Relations. Minor: Supporting Program. Thesis: A Reformulation and Empirical Analysis of Cross' Economic Model of Bargaining.
Major Adviser: Prof. M. S. Bognanno.
1977. Alexander Farkash. B.S.Aero.'64, St. Louis University; M.S.'66, Columbia University.
Major: Industrial Relations. Minor: Supporting Program. Thesis: An Empirical Investigation of Conceptual and Activities Dimensions of Organization Development.
Major Adviser: Prof. G. W. England.
1977. Itzhak Harpaz. B.Soc.Sci.'73, University of Haifa; M.A.'75, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Stability and Change in Worker's Job Satisfaction: A Longitudinal Analysis.
Major Adviser: Prof. G. W. England.
1977. Nan Weiner. B.S.B. with distinction '69, M.A.'74, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Organization Performance as a Function of Leadership and Situation Factors.
Major Adviser: Prof. T. A. Mahoney.
1977. William Thomas Whitely. B.A. cum laude '66, University of Minnesota, Duluth.
Major: Industrial Relations. Minor: Supporting Program. Thesis: The Relationship of Managerial Values and Decision Making: A Cross-National Investigation.
Major Adviser: Prof. G. W. England.
1978. Mildred May Doering. B.S.'65, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: A Multitrait-Multimethod Investigation of the Motive to Avoid Success, the Motive to Avoid Failure, and the Motive to Succeed.
Major Adviser: Prof. R. V. Dawis.
1978. David Louis Estenson. B.A. with departmental honors '68, Macalester College.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Hospital Union Wage Effects.
Major Adviser: Prof. M. F. Bognanno.
1978. Frank John Krzystofiak. B.S.B. with high distinction '71, M.A.'74, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: The Effects of Intrinsic and Extrinsic Rewards on Extrinsic Motivation: An Empirical Examination of the Overjustification Effects.
Major Adviser: Prof. G. T. Milkovich.
1978. Kenneth Gerald Wheeler. A.B.'65, University of California, Berkeley; M.B.A.'67, Fresno State College.
Major: Industrial Relations. Minor: Supporting Program. Thesis: A Valence-Instrumentality-Expectancy Model in the Analysis of Occupational Preference and Occupational Choice.
Major Adviser: Prof. T. A. Mahoney.
1980. Vida Gulbinas Scarpello. B.S.'74, M.A.'75, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Examination of Factors Influencing Discorrespondence Between Overall Job Satisfaction and Need/Reinforcer Correspondence.
Major Adviser: Prof. J. P. Campbell.

Industrial Relations

1981. David Bruce Balkin. B.A.'70, University of California; M.A.'79, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: The Effect of Unionization, Strike Experience and Arbitration Experience on Relative Wages in the Minnesota Public Sector.
Major Adviser: Prof. H. G. Wheeler.
1981. Charles Desmond Cambridge. B.A.'71, Macalester College; M.A.'73, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Union Characteristics and Situational Influences on Employee Votes for Union Representation.
Major Adviser: Prof. T. A. Mahoney.
1981. Luis R. Gomez-Mejia. B.A. with honors '71, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Development and Empirical Testing of a Cultural and a Need Processing of Information Model as Determinants of Employee Work Value Structures.
Major Adviser: Prof. H. G. Wheeler.
1981. Gregory Stephen Hundley. B.Com. with second class honours '72, University of Western Australia.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Determinants of Intertemporal Variations in the Union-Nonunion Wage Differential for the United States.
Major Adviser: Prof. M. A. Zaidi.
1982. Frederic Champlin. B.B.A.'62, University of Oklahoma; M.A.'78, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Last Best Offer Arbitration: An Analysis of Bargaining Incentives Under Conditions of Incomplete Information.
Major Adviser: Prof. M. F. Bognanno.
1982. Clyde James Scott. B.A.'68, Pennsylvania State University; M.A.'74, University of Minnesota.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Arbitration: The Experience of Minnesota's Teachers.
Major Adviser: Prof. M. F. Bognanno.
1983. Nancy Ann Mason. B.A.'69, M.B.A.'74, Wichita State University.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Subjective Perceptions of Career Movement in the Mid/Late Career Stage: Objective Correlates, Antecedents, and Consequences of Various Patterns.
Major Adviser: Prof. J. P. Campbell.
1984. Brian Gordon Bemmels. B.A. with distinction '78, University of Minnesota, Morris.
Major: Industrial Relations. Minor: Supporting Program. Thesis: Managerial Efficiency, Unions, and Productivity: An Integrative Analysis of Productivity at Manufacturing Plants.
Major Adviser: Prof. M. A. Zaidi.
1984. John Raymond Deckop. B.S. magna cum laude '78, State University of New York at Buffalo.
Major: Industrial Relations. Minor: Supporting Program. Thesis: An Investigation of Chief Executive Officer Compensation.
Major Adviser: Prof. T. A. Mahoney.
1985. Yin Sog Rhee. B.Pol.S. '64, Yonsei University; M.A. '69, University of Minnesota.
Major: Industrial Relations. Minor: Sociology. Thesis: Employment Effects of Factor Prices, Output Demand, and Technological Change: Korea's Manufacturing Industries, 1972-1982.
Major Adviser: Prof. M. F. Bognanno.

Industrial Relations

1986. Herman A. Theeke. M.S. '71, Eastern Michigan University; M.B.A. '74, University of Michigan.
Major: Industrial Relations. Minor: Supporting Program. Thesis: A Test of the Vle Theoretical Process to Explain Voter Participation In and The Election Outcomes of Union Representation Elections.
Major Adviser: Prof. R. E. Azevedo.

Library Science

1976. Andrea Claire Dragon. B.A.'67, Portland State University; M.A.'68, University of Minnesota.
Major: Library Science. Minor: Business Administration. Thesis: Self-Descriptions and Subordinate Descriptions of the Leader Behavior of Library Administrators.
Major Adviser: Prof. E. W. McDiarmid.

1978. Betty Jo Buckingham. B.A.'48, Iowa State Teachers College; M.S.'53, University of Illinois.
Major: Library Science. Minor: Education. Thesis: The Role of Professional Associations in the Development of School Librarians in Iowa.
Major Adviser: Prof. D. K. Berninghausen.

1978. Suzanne Hoegh Mahmoodi. B.A.'57, College of St. Catherine; A.M.L.S.'58, University of Michigan.
Major: Library Science. Minor: Supporting Program. Thesis: Identification of Competencies for Librarians Performing Public Services Functions in Public Libraries.
Major Adviser: Prof. W. C. Simonton.

1982. David Herbert Jenkinson. B.A.'64, B.Ed.'68, University of Manitoba; B.L.S.'69, M.Ed.'73, University of Alberta.
Major: Library Science. Minor: Supporting Program. Thesis: Divorce as Portrayed in Selected Juvenile Fiction Published in America Between 1947 and 1977.
Major Adviser: Prof. H. C. McClaskey.

1983. Richard Chandler Holmes. B.A.'73, Webster College; M.A.'74, University of Missouri.
Major: Library Science. Minor: Supporting Program. Thesis: The Academic Library Director's Perceived Power and Its Correlates.
Major Adviser: Prof. G. P. M. D'Elia.

1984. Richard Earl Miller, Jr. A.B.'67, A.M.'69, M.L.S.'71, Indiana University.
Major: Library Science. Minor: Supporting Program. Thesis: The Development of Reference Services in the American Liberal Arts College, 1876-1976.
Major Adviser: Prof. W. C. Simonton.

1984. William Thomas Nichol. B.A. magna cum laude '67, Carleton College; M.A.'68, Harvard University; M.Div.'71, McCormick Theological Seminary; M.A.'72, University of Denver.
Major: Library Science. Minor: Supporting Program. Thesis: Catholic Subject Headings Investigation of Use in Catholic College and University Libraries and Comparison to Library of Congress Subject Headings.
Major Adviser: Prof. W. C. Simonton.

1984. Paul John Ostendorf. B.A. cum laude '53, M.A.'59, St. Mary's College; M.A.'64, College of St. Thomas; M.A.'73, Rosary College.
Major: Library Science. Minor: Supporting Program. Thesis: The History of the Public Library Movement in Minnesota From 1849 to 1916.
Major Adviser: Prof. M. N. Maack.

1985. Jane Ellen Koons. B.A. cum laude '71, St. Olaf College; M.A. '76, University of Minnesota.
Major: Library Science. Minor: Supporting Program. Thesis: Utilization of Oral History Resources in a Classroom Setting: A Study of Impacts.
Major Adviser: Prof. G. P. M. D'Elia.

Library Science

1985. Judith Ann Overmier. B.A. '61, B.S. '62, Bowling Green State University; M.S. '65, Drexel University.
Major: Library Science. Minor: Supporting Program. Thesis: Scientific Rare Book Collections in Academic and Research Libraries in Twentieth Century America.
Major Advisers: Profs. W. C. Simonton and M. N. Maack.

Mass Communication

1976. Jerry Shao-Shiong Huang. B.A.'59, National Chengshi University; M.A.'65, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Mass Media Use and the Image of the People's Republic of China Among Chinese Students in the Twin Cities Area.
Major Adviser: Prof. R. E. Carter, Jr.

1976. Leo Wayne Jeffres. B.A. cum laude '67, University of Idaho; M.A.'68, University of Washington.
Major: Mass Communication. Minor: Supporting Program. Thesis: Consequences of the Television of Abundance: A Study Examining the Introduction of Cable Television in a Small Minnesota Community.
Major Adviser: Prof. D. B. Wackman.

1976. Tony Obanyelu Nnaemeka. B.A.'71, University of Nigeria; M.A.'73, Stanford University.
Major: Mass Communication. Minor: Supporting Program. Thesis: Issue Legitimation, Mass Media Functions and Public Knowledge of Social Issues.
Major Adviser: Prof. P. J. Tichenor.

1976. Raphael Chude Okonkwo. B.S.Hons.'67, University of Nigeria; M.A.'75, University of Minnesota.
Major: Mass Communication. Minor: Sociology. Thesis: The Press and Nigerian Nationalism, 1859-1960.
Major Adviser: Prof. R. G. Lindsay.

1976. Herbert Alonzo Terry. A.B. with distinction '70, Stanford University; M.A.'74, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: The Meaning of Minnesota's Public Records Laws: A Legal and Social Analysis.
Major Adviser: Prof. D. M. Gillmor.

1977. Shih-min Chen. B.A.'68, National Chengchi University; M.A.'74, University of Hawaii.
Major: Mass Communication. Minor: Supporting Program. Thesis: Social Structure and Newspaper Circulation in Non-Metropolitan Communities in Minnesota.
Major Adviser: Prof. R. E. Carter, Jr.

1977. Duane Michael Ebnet. B.A.'73, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: The Influence of Traditional Values and Beliefs on Family Planning Decisions in Thailand.
Major Adviser: Prof. R. G. Lindsay.

1977. Amde-Michael Habte. B.A.'59, Haile Selassie I University; M.A.'62, University of California.
Major: Mass Communication. Minor: Supporting Program. Thesis: Mass Media and International Development Bureaucracies: Ethiopia and the World Bank.
Major Adviser: Prof. R. G. Lindsay.

1977. Carol Lee Hilewick. B.S.'65, Ohio State University; M.A.'68, University of the Americas.
Major: Mass Communication. Minor: Psychology. Thesis: United States Media Influence, Media Evaluation, and Satisfaction with the Quality of Life in Mexico.
Major Adviser: Prof. R. E. Carter, Jr.

Mass Communication

1977. Kent Richards Middleton. B.A.'66, M.A.'71, Michigan State University.

Major: Mass Communication. Minor: Supporting Program. Thesis: Commercial Speech Doctrine.

Major Adviser: Prof. D. M. Gillmor.

1977. Isaac Obeng-Quaidoo. B.A. honors '72, University of Saskatchewan; M.A.'75, University of Minnesota.

Major: Mass Communication. Minor: Sociology. Thesis: Hutterite Land Expansion and the Canadian Press.

Major Adviser: Prof. R. E. Carter, Jr.

1977. Fred K. Paine. B.S.'60, Purdue University; A.M.'69, University of Missouri.

Major: Mass Communication. Minor: Supporting Program. Thesis: Magazine Journalism Education in Britain, Canada and the United States.

Major Adviser: Prof. R. G. Lindsay.

1977. William John Thorn. B.A. cum laude '65, Loras College; M.A.'66, University of Wisconsin.

Major: Mass Communication. Minor: Supporting Program. Thesis: Montgomery Schuyler: The Newspaper Architectural Articles of a Protomodern Critic (1868-1907).

Major Adviser: Prof. G. S. Hage.

1977. Hiley Henry Ward. A.B.'51, William Jewell College; M.A.'53, Berkeley Baptist Divinity School; M.Div.'55, McCormick Theological Seminary.

Major: Mass Communication. Minor: Supporting Program. Thesis: Ninety Years of the National Newspaper Association: The Mind and Dynamics of Grassroots Journalism in Shaping America.

Major Adviser: Prof. W. E. Emery.

1977. Ellen Ann Wartella. B.A. cum laude '70, University of Pittsburgh; M.A.'76, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Developmental Differences in Children's Units of Perception of Television Stimuli.

Major Adviser: Prof. D. B. Wackman.

1978. Kisun Hong. B.A.'64, Korea University; M.A.'74, Syracuse University.

Major: Mass Communication. Minor: Supporting Program. Thesis: Developmental Aspects of Children's Impression Formation of Television Characters.

Major Adviser: Prof. D. B. Wackman.

1978. David Charles Whitney. B.A.'68, Clemson Agricultural College.

Major: Mass Communication. Minor: Supporting Program. Thesis: "Information Overload" in the Newsroom: Two Case Studies.

Major Adviser: Prof. D. M. Gillmor.

1979. Beverly Moore Bethune. A.B.'50, University of Georgia; M.A.'67, University of Florida.

Major: Mass Communication. Minor: Supporting Program. Thesis: The New York City Photo League: A Political History.

Major Adviser: Prof. W. E. Emery.

1979. Irene Elizabeth French Clepper. B.A.'44, Simpson College.

Major: Mass Communication. Minor: Supporting Program. Thesis: Minnesota's Definition of the Sit-Down Strike: An Analysis of Union Activities in Austin, Minnesota, 1933-37, and Their Coverage by Local, State, and National Media.

Major Adviser: Prof. W. E. Emery.

Mass Communication

1979. Sang-Chul Lee. B.A.'66, Chungang University; M.A.'75, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: The Japanese Image Projected in Four U.S. Dailies Over a Sixty-Seven Year Period (1905-1972).

Major Adviser: Prof. W. E. Emery.

1979. Wai-Yin Kenneth Leung. Diploma '72, Hong Kong Baptist College; M.A.'77, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: News Flow Between the United States and Asia.

Major Advisers: Profs. R. E. Carter, Jr. and W. E. Emery.

1979. Joseph Patrick McKerns. B.A.'72, University of Notre Dame; M.A.'73, The Ohio State University.

Major: Mass Communication. Minor: Supporting Program. Thesis: Benjamin Perley Poore of the Boston Journal: His Life and Times as a Washington Correspondent, 1850-1887.

Major Adviser: Prof. W. E. Emery.

1979. John Spicer Nichols. B.A.'67, M.A.'74, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Coyotes of the Press: Professionalization of Mexican Journalists.

Major Adviser: Prof. R. G. Lindsay.

1979. Jacob Shamir. B.A. magna cum laude '74, Tel-Aviv University; M.A.'77, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Children Consumer Information Processing: The Development and Training of Product Choice Strategies and Information Use Skills.

Major Adviser: Prof. D. B. Wackman.

1979. Sara Tick Shemer. B.A.'73, University of Haifa; M.A.'76, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: An Examination of the Behavioral Outcomes of Social Learning from Television among Second, Fifth and Eight Graders.

Major Adviser: Prof. D. B. Wackman.

1980. Adebisi Akanni Aborisade. A.B.'72, Indiana University; M.S.'74, Oklahoma State University.

Major: Mass Communication. Minor: Supporting Program. Thesis: The International News Imbalance: A Nigerian Case Study.

Major Adviser: Prof. R. G. Lindsay.

1980. Robert Edward Drechsel. B.A.'71, M.A.'76, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Newsmaking in the Trial Courts: Newspaper Reporters and Sources in Courts of Original Jurisdiction.

Major Adviser: Prof. D. M. Gillmor.

1980. Kermit Lyol Netteburg. B.A.'67, Union College; M.A.'70, University of Colorado.

Major: Mass Communication. Minor: Supporting Program. Thesis: Cameras in the Courtroom: Is a Picture Worth a Thousand Words?

Major Adviser: Prof. D. M. Gillmor.

1980. Joseph Wai-Chung Wong. B.S. with honors '70, Chinese University of Hong Kong; M.A.'74, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Nonconsistency in Counter-Attitudinal Communication.

Major Advisers: Profs. R. E. Carter, Jr. and R. G. Lindsay.

1981. Ikechukwu Enoch Nwosu. B.S. with first class honours '75, University of Nigeria.

Major: Mass Communication. Minor: Supporting Program. Thesis: Crisis Reporting: A Comparative Analysis of Four Black African Cases (1967-1979).

Major Adviser: Prof. R. G. Lindsay.

Mass Communication

1981. Cornelius Pratt. B.S. with honors '74, University of Lagos; M.A.'77, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Mass Media Credibility: A Study of African and U.S. Students.
Major Adviser: Prof. R. E. Carter, Jr.
1981. Judith Lynne Sobel. B.A.'75, University of California, Santa Cruz; M.A.'77, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Setting Preventive Health Agenda: A Risk Reduction Campaign.
Major Advisers: Profs. J. W. Brown and D. B. Wackman.
1982. Stuart James Bullion. A.B.'69, Princeton University; M.A.'78, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Priorities of Mass Communication Development--The Algerian Case.
Major Adviser: Prof. R. G. Lindsay.
1982. David Charles Coulson. B.A. with honors '73, California State University, Sacramento; M.A.'74, Ohio State University.
Major: Mass Communication. Minor: Supporting Program. Thesis: Nelson Poynter: A Study of an Independent Publisher and His "Standards of Ownership".
Major Adviser: Prof. W. E. Emery.
1982. Nancy Lee Roberts. B.A.'76, Swarthmore College; M.A.'77, Brown University; M.A.'79, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Dorothy Day and The Catholic Worker, 1933-1982.
Major Advisers: Profs. W. E. Emery and G. S. Hage.
1982. Rama Tunuguntla. M.A.'67, Osmania University; M.A.'78, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Factors Relating to International News and Information Coverage by the United States Mass Media.
Major Adviser: Prof. R. E. Carter, Jr.
1983. Mohamed A. El-Wafaey. B.A.'74, University of Cairo; M.A.'78, University of Chicago.
Major: Mass Communication. Minor: Supporting Program. Thesis: Political Behavior, Legitimation and Social Control: US Senators, the Mideast and TV News.
Major Adviser: Prof. R. E. Carter, Jr.
1983. Cecilie Judson Gaziano. B.S.'65, West Virginia University; M.A.'74, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: The Influence of New Media and Citizen Groups on the Knowledge Gap in an Inner-City Neighborhood.
Major Adviser: Prof. P. J. Tichenor.
1983. Julio Eduardo Munoz. Periodista '72, Universidad de Concepcion; M.A.'77, University of the Pacific.
Major: Mass Communication. Minor: Supporting Program. Thesis: The New International Information and Communication Order: A Descriptive and Content Analysis With a Proposal for Its Solution.
Major Advisers: Profs. R. G. Lindsay and R. E. Carter, Jr.
1983. John Vernon Pavlik. B.A. with distinction '78, M.A.'80, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Cognitive Complexity and Health Communication.
Major Adviser: Prof. D. B. Wackman.

Mass Communication

1983. Shih Fan Steven Wang. B.A.'65, National Taiwan Normal University; M.A.'72, National Chengchi University.

Major: Mass Communication. Minor: Supporting Program. Thesis: The Functions of Media Exposure and Personal Contact in the Development of Political Tolerance.

Major Adviser: Prof. R. E. Carter.

1983. Birgit Luise Wassmuth. State Exam.'73, University of Kassel.

Major: Mass Communication. Minor: Supporting Program. Thesis: Art Movements and American Print Advertising: A Study of Advertising Graphics 1915 - 1935.

Major Adviser: Prof. W. E. Emery.

1984. Kevin Chukwuemeka Akagha. B.S.Theol. cum laude '72, Pontificia Universitas Urbaniana; M.A.'78, Loyola University.

Major: Mass Communication. Minor: Supporting Program. Thesis: New World Information and Communication Order: A Nigerian Response.

Major Adviser: Prof. R. G. Lindsay.

1984. Richard Burket Kielbowicz. B.A.'75, The College of Wooster; M.A.'78, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: News in the Mails, 1690-1863: The Technology, Policy, and Politics of a Communication Channel.

Major Advisers: Profs. Hazel Dicken-Garcia and W. E. Emery.

1984. Fekri Meziou. Maitrise '80, Universite de Tunis; M.A.'82, University of Minnesota.

Major: Mass Communication. Minor: Business Administration. Thesis: The Impact of Advertising on the Less Developed Countries: Some Empirical Evidence.

Major Adviser: Prof. R. E. Carter.

1984. Patrick Robert Parsons. B.A. cum laude '74, M.A.'78, California State University, Northridge.

Major: Mass Communication. Minor: Supporting Program. Thesis: Cable Television and the First Amendment.

Major Adviser: Prof. D. M. Gillmor.

1984. Olalekan Ola-Olu Shobowale. B.Sc. second class honors '70, University of Ibadan; B.A.'73, M.A.'75, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: The Professionalization of Nigerian Media Staffers.

Major Adviser: Prof. R. G. Lindsay.

1985. John R. Finnegan, Jr. B.A. '72, College of St. Thomas; M.A. '78, University of Minnesota.

Major: Mass Communication. Minor: Supporting Program. Thesis: Defamation, Politics, and the Social Process of Law in New York State, 1776-1860.

Major Adviser: Prof. Hazel Dicken-Garcia.

1985. Izzat Mohammed Hijab. B.A. '76, Cairo University; M.A. '82, Southern Illinois University, Carbondale.

Major: Mass Communication. Minor: Supporting Program. Thesis: Mass Media in Jordan: A Historical Analysis of the Evolution of Press, Radio and Television.

Major Adviser: Prof. R. G. Lindsay.

1985. David Louis Nasser. B.A. with honors '71, M.A. '74, University of Connecticut.

Major: Mass Communication. Minor: Supporting Program. Thesis: The Impacts of Media Channel, Message Interest and Receiver Control of Transmission Pace on Involvement with and Comprehension of Advertising Messages.

Major Adviser: Prof. D. B. Wackman.

Mass Communication

1985. Charles Thomas Salmon. B.S. '77, De Paul University.
Major: Mass Communication. Minor: Supporting Program. Thesis: The Role of Involvement in Health-Information Acquisition and Processing.
Major Adviser: Prof. F. G. Kline.

1986. Muhammad Ibrahim Ayish. B.A., B.J. '79, University of Missouri; M.A. '83, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: The Voice of America Between Diplomacy and Journalism: A Case Study of VOA Arabic Service.
Major Adviser: Prof. R. G. Lindsay.

1986. Yong-Ho Chang. B.A. '74, M.A. '77, Korea University; M.A. '82, University of Minnesota.
Major: Mass Communication. Minor: Supporting Program. Thesis: Determinants of Media Corporation Board Membership: Cooptation and Control.
Major Adviser: Prof. R. E. Carter.

1986. Cherie Sue Lewis. A.B. with distinction '73, The University of Michigan; M.S. '75, Boston University.
Major: Mass Communication. Minor: Supporting Program. Thesis: Television License Renewal Challenges by Women's Groups.
Major Adviser: Prof. D. M. Gillmor.

Philosophy

1976. Shirley Ann Campbell. A.B. '65, M.A. '69, University of California, Los Angeles.
Major: Philosophy. Minor: Supporting Program. Thesis: Leibniz's Substances.
Major Adviser: Prof. J. S. Earman.

1976. F. Christopher Swoyer. B.A. '71, University of Kansas.
Major: Philosophy. Minor: Supporting Program. Thesis: Conceptual Relativism.
Major Adviser: Prof. Keith Gunderson.

1977. Martin Bunzl. B.A. summa cum laude '70, University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: The Priority of Causal Priority.
Major Adviser: Prof. J. S. Earman.

1977. Diane Cooperman Steinman. B.A. cum laude '65, Brooklyn College.
Major: Philosophy. Minor: Supporting Program. Thesis: On the Use of the Notion of Grammar in Wittgenstein's Later Philosophy.
Major Adviser: Prof. H. E. Mason.

1978. Lawrence Richard Carleton. B.S. '68, M.A. '74, Michigan State University.
Major: Philosophy. Minor: Supporting Program. Thesis: Perceiver and Environment.
Major Adviser: Prof. C. W. Savage.

1978. Jan Edward Garrett. A.B. with distinction '67, Wayne State University.
Major: Philosophy. Minor: Supporting Program. Thesis: Hans-Georg Gadamer's Theory of Preunderstanding.
Major Adviser: Prof. J. S. Hopkins.

1978. Ernest Pasquale LePore. B.A. magna cum laude '73, University of Massachusetts.
Major: Philosophy. Minor: Linguistics. Thesis: Understanding Language.
Major Adviser: Prof. Michael Root.

1978. Howard McGary, Jr. B.A. '70, California State College, Los Angeles.
Major: Philosophy. Minor: Internal Supporting Program. Thesis: Justice and Reparation.
Major Adviser: Prof. J. M. Dolan.

Philosophy

1979. Douglas R. Berdie. B.A. summa cum laude, magna cum laude '71, University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: An Investigation of W. T. Stace's Claims Concerning the Universal Core and the Ineffability of Mystical Experience.
Major Adviser: Prof. D. E. Lewis.

1979. Ronald Edward Lane. B.A. magna cum laude '56, University of Albuquerque; M.A.'65, University of New Mexico.
Major: Philosophy. Minor: Supporting Program. Thesis: D. Z. Phillips' Philosophy of Religion.
Major Adviser: Prof. J. S. Hopkins.

1980. Stanley Daniel Anderson. A.B. with honor '59, A.M.'62, Wheaton College; B.D. summa cum laude '62, Gordon Divinity School.
Major: Philosophy. Minor: History and Philosophy of Education. Thesis: An Analysis of the Meaning of Academic Freedom in American Higher Education, 1860-1920.
Major Adviser: Prof. D. B. Terrell.

1980. David Bruce Apolloni. B.A. summa cum laude '75, University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: Plato and the Self-Predication Assumption.
Major Adviser: Prof. S. L. Peterson.

1980. Randolph Horner Lundberg. A.B. magna cum laude '68, S.M.'72, Harvard University.
Major: Philosophy. Minor: Supporting Program. Thesis: The Comprehensive Imperative: A Vision of Moral Principles.
Major Adviser: Prof. R. E. Sartorius.

1981. Richard Martin Adler. B.S. with distinction '74, University of Michigan; M.S.'75, University of Illinois.
Major: Philosophy. Minor: Supporting Program. Thesis: The Direction of Time.
Major Adviser: Prof. J. S. Earman.

1981. Eric Allan Hill. A.B.'75, Augustana College.
Major: Philosophy. Minor: Supporting Program. Thesis: An Investigation of the Problem of the Unity of the Self.
Major Adviser: Prof. D. E. Lewis.

1981. Robert Alan Rynasiewicz. B.S.'74, Brown University.
Major: Philosophy. Minor: Supporting Program. Thesis: Varieties of Eliminability of Theoretical Terms and the Empirical Content of Theories.
Major Adviser: Prof. J. S. Earman.

1982. Thomas Edwin Moody. B.A.'70, University of Wisconsin.
Major: Philosophy. Minor: Supporting Program. Thesis: Logical Form: Its Scope and Limits.
Major Adviser: Prof. J. R. Wallace.

1982. Mary Ellen Soucie Waithe. B.A.'72, Hunter College of the City University of New York.
Major: Philosophy. Minor: Supporting Program. Thesis: Acting for Others: Towards a Theory of Paternalism.
Major Adviser: Prof. R. E. Sartorius.

1983. Melville Yorke Stewart. B.A.'58, Gordon College; B.Div.'61, Westminster Theological Seminary; S.T.M.'68, Andover Newton Theological School; M.A.'72, University of Connecticut.
Major: Philosophy. Minor: Supporting Program. Thesis: The Greater Good Defense.
Major Adviser: Prof. D. B. Terrell.

Philosophy

1984. Sandra Lee Menssen. B.A.'75, University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: Foundations of
Theodicy: Is There a Criterion of Goodness for Worlds?
Major Adviser: Prof. J. M. Dolan.

1984. John Frederick Pepple. B. Math. with high distinction '73,
University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: An Ambivalence
in Plato's Theory of Forms.
Major Adviser: Prof. S. L. Peterson.

1984. Michael Hale Reed. B.A.'66, Eastern Washington State College.
Major: Philosophy. Minor: Supporting Program. Thesis: Cognition and
Explanation: Artificial Intelligence and the Philosophy of Mind.
Major Adviser: Prof. Keith Gunderson.

1984. Danny Shapiro. B.A. with honors '76, Vassar College.
Major: Philosophy. Minor: Supporting Program. Thesis: Form and Content
In a Theory of Rights.
Major Adviser: Prof. R. E. Sartorius.

1985. Brian George Conley. B.A. '74, State University of New York at
Binghamton; M.F.A. '82, University of Minnesota.
Major: Philosophy. Minor: Supporting Program. Thesis: Theories of
Pictorial Representation: Goodman's Relativism and the Similarity Theory.
Major Adviser: Prof. D. R. Lewis.

1985. Margaret Ann Crouch. B.A. '78, Colorado State University.
Major: Philosophy. Minor: Supporting Program. Thesis: Concepts and
Reality: An Examination of Realism.
Major Adviser: Prof. S. L. Peterson.

1985. Max LeRoy Fritzler. B.A.'77, University of Kansas; M.A.'81,
University of Minnesota.
Major: Philosophy. Minor: History. Thesis: Moral Intersubjectivity.
Major Adviser: Prof. N. O. Dahl.

1985. Barbara Lee Horan. B.A. '78, Oberlin College.
Major: Philosophy. Minor: Supporting Program. Thesis: Sociobiology: A
Critical Defense.
Major Advisers: Profs. P. S. Kitcher and Grover Maxwell.

1986. Peter Kosso. B.S. with high distinction '78, University of Nevada;
M.S. '81, Montana State University.
Major: Philosophy. Minor: Physics. Thesis: Observability and
Observation in Physical Science.
Major Adviser: Prof. P. S. Kitcher.

1986. Margarita Rosa Levin. B.A. summa cum laude '73, City College.
Major: Philosophy. Minor: Supporting Program. Thesis: The New
Empiricism in the Philosophy of Mathematics.
Major Adviser: Prof. W. H. Hanson.

Political Science

1976. Sui Tak Steve Chan. B.A.'70, Tulane University; M.A.'73, University
of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Modelling
Chinese Foreign Policy Behavior in the Vietnam War: 1963-1965.
Major Adviser: Prof. J. E. Turner.

1976. Kathy Ellen Ferguson. B.A. with highest distinction '72, Purdue
University.
Major: Political Science. Minor: Supporting Program. Thesis: Self,
Society and Womankind; The Politics of Self-Other Relations.
Major Adviser: Prof. M. Q. Sibley.

Political Science

1976. Mary Ellen Hurlbutt Lundsten. B.A. magna cum laude '65, Smith College; M.A.'67, Johns Hopkins University.
Major: Political Science. Minor: Supporting Program. Thesis: Abraham and Ibrahim: A Formal Conflict Model Applied to Palestine 1920-1931.
Major Adviser: Prof. R. T. Holt.
1976. Terry Morse Moe. B.A. with highest honors '71, University of California.
Major: Political Science. Minor: Supporting Program. Thesis: An Economic Theory of Interest Groups.
Major Adviser: Prof. W. P. Shively.
1976. Elliot Edward Slotnick. B.A. cum laude '70, City University of New York; M.A.'73, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Who Speaks for the Court?: The Chief Justice and the Assignment of Majority Opinions.
Major Adviser: Prof. F. J. Sorauf, Jr.
1977. Jo Louise Husbands. B.S. with high honors '70, Washington State University; M.A.'74, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: More Than Mediators? Non-Major Powers in International and Regional Negotiations.
Major Adviser: Prof. P. T. Hopmann.
1977. Gary Francis Prevost. B.A. cum laude '69, Union College; M.A.'72, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Marxism and Anarchism--Some Problems in the Controversy.
Major Adviser: Prof. M. Q. Sibley.
1977. Colleen O'Brien Sathre. B.A.'67, College of St. Benedict; M.A.'71, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Control and Delivery: A Study of Resource Allocation in Higher Education.
Major Adviser: Prof. D. B. Bobrow.
1977. Deannakay M. Skolfield. B.A.'67, Coe College; M.S.'71, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Cognitive Flexibility: An Exploration of Decision-Making Styles and Processing Styles Within the Context of Political Issues.
Major Adviser: Prof. W. H. Flanigan.
1977. Theresa Clair Smith. A.B. with high distinction '72, Indiana University.
Major: Political Science. Minor: Supporting Program. Thesis: The Arms Race/War Connection.
Major Adviser: Prof. B. L. Job.
1977. Thomas Edward Stocking. B.A.'70, Bethel College; M.A.'73, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Political Objectives of American Foreign Trade Policy 1948-1973.
Major Adviser: Prof. R. E. Riggs.
1978. William Jennings Mitchell Claggett. B.A.'72, University of Wisconsin.
Major: Political Science. Minor: Supporting Program. Thesis: The Development of Party Attachments in the American Electorate: 1872-1972.
Major Adviser: Prof. W. H. Flanigan.
1978. Nguyen Cao Dam. B.A.'71, M.A.'74, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Use of Verbal Influence Strategies in International Negotiations with Special Reference to the Vietnam Peace Talks in Paris (1968-73). A Study in Purposive Communication.
Major Adviser: Prof. P. T. Hopmann.

Political Science

1978. Stanley Feldman. B.A.'73, State University of New York, Stony Brook.
Major: Political Science. Minor: Supporting Program. Thesis: The Perception of Politics: Social and Psychological Processes.
Major Adviser: Prof. J. L. Sullivan.
1978. John R. Freeman. B.A.'72, Macalester College.
Major: Political Science. Minor: Supporting Program. Thesis: Franchisement and Political Stability: An Historical-Formal Analysis.
Major Adviser: Prof. R. T. Holt.
1978. Choong Nam Kim. B.S.'65, Korea Military Academy; B.A.'69, M.Pol.Sc.'71, Seoul National University.
Major: Political Science. Minor: Supporting Program. Thesis: Political Socialization in a Dependent System: A Rational-Choice Perspective, The Case of Korea.
Major Adviser: Prof. R. W. Benjamin.
1978. Timothy David King. B.A. cum laude '71, Macalester College; M.A.'75, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Role Reversal and Problem-Solving in International Negotiations: The Partial Test Ban Case.
Major Adviser: Prof. P. T. Hopmann.
1978. John A. Kringen. A.B. magna cum laude '70, University of Southern California.
Major: Political Science. Minor: Supporting Program. Thesis: Political Mobilization and Chinese Belief Systems.
Major Adviser: Prof. D. B. Bobrow.
1978. Khosrow Riggi. B.A.'60, M.A.'63, University of Minnesota.
Major: Political Science. Minor: Economics. Thesis: Political Fundamentals of Shahnameh Ferdowsi.
Major Adviser: Prof. M. Q. Sibley.
1978. Daniel Robert Sabia, Jr. B.A.'70, State University of New York, Albany.
Major: Political Science. Minor: Philosophy. Thesis: A Historiography of Histories of Political Theory.
Major Adviser: Prof. M. Q. Sibley.
1978. Eugene Frederick Sathre. B.A. cum laude '59, M.A.'69, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Communication and Conflict: Japanese Foreign Policy Leading to the Pacific War.
Major Adviser: Prof. D. B. Bobrow.
1978. Manfred H. Stinnes. M.A.'71, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Political Theory and Peace: Origin, Development, and Scope of European Peace Research, with Special Emphasis on West Germany.
Major Adviser: Prof. M. Q. Sibley.
1978. Carl Peter Stover. A.B.'69, Stanford University; M.A.'73, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Law in Action: A Structural-Behavioral Analysis of State Criminal Justice.
Major Adviser: Prof. Samuel Krislov.
1978. Julianne Zatz. B.A. cum laude '70, American University; M.A.'72, Arizona State University.
Major: Political Science. Minor: Supporting Program. Thesis: The Right to Privacy: Ambiguities in Law and Liberal Theory.
Major Adviser: Prof. Edwin Fogelman.

Political Science

1979. John Edward Chubb. A.B. summa cum laude '74, Washington University.
Major: Political Science. Minor: Supporting Program. Thesis: Interest Groups and the Bureaucracy: The Politics of Energy.
Major Adviser: Prof. R. B. Kvavik.

1979. Pamela Jean Johnston Conover. B.A.'73, Emory University.
Major: Political Science. Minor: Supporting Program. Thesis: The Nature and Sources of Candidate Images: A Social Psychological Approach.
Major Adviser: Prof. J. L. Sullivan.

1979. Ronald W. Duty. A.B. with honors '67, M.A.'69, San Diego State College.
Major: Political Science. Minor: Supporting Program. Thesis: The Theory of Property in British Political Thought: Locke, Hume, Burke and Bentham.
Major Adviser: Prof. B. E. Lippincott.

1979. Ann Hopkins Elder. A.B. with distinction '65, A.M.'67, University of Illinois.
Major: Political Science. Minor: Supporting Program. Thesis: The Relationship Between Membership Characteristics of Interest Groups and Their Lobbying Activities Before the Minnesota State Legislature.
Major Adviser: Prof. W. H. Flanigan.

1979. James Fulton Farr. B.A.'72, Emory University; M.A.'75, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Competing Models in the History and Method of Social Inquiry.
Major Adviser: Prof. M. Q. Sibley.

1979. Michael Warren Johnson. A.B. with distinction '71, Whitman College; M.A.'75, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Roles of Law and Coercion (or Soul Force and Social Change) According to: M. K. Gandhi and M. L. King Jr.
Major Adviser: Prof. M. Q. Sibley.

1979. Geoffrey Lambert. B.A. with honors '66, Manchester University; M.A.'69, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Trends in the Circulation of the Chinese Communist Elite: the State Council, 1949-1973.
Major Adviser: Prof. J. E. Turner.

1979. Susan Mae Matarese. A.B.'71, University of Rhode Island; M.A.'74, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Two Views of Equality: Liberal and Marxist Perspectives on "The Woman Question."
Major Adviser: Prof. M. Q. Sibley.

1979. Albert Ralston Matheny, III. B.S. with highest honors '72, M.A.'74, University of Tennessee.
Major: Political Science. Minor: Supporting Program. Thesis: Plea Bargaining in Organizational Perspective.
Major Adviser: Prof. Samuel Krislov.

1979. Lee Ann Osburn. B.A.'69, Ohio State University; M.A.'72, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Problem of Participation: Herbert Marcuse and Contemporary Theories of Democracy.
Major Adviser: Prof. M. Q. Sibley.

1979. Philip Hewison Pollock. A.B.'72, University of Georgia.
Major: Political Science. Minor: Supporting Program. Thesis: Organizational Mobilization: An Investigation of the Relationship Between Group Membership and Political Participation.
Major Adviser: Prof. R. B. Kvavik.

Political Science

1979. Michal Kohen Shamir. B.A.'74, Tel-Aviv University; M.A.'77, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Stability and Change in Party Systems: A Cross-National Time-Series Analysis.
Major Adviser: Prof. W. H. Flanigan.

1980. William Dale Berry. A.B.'74, Washington University.
Major: Political Science. Minor: Supporting Program. Thesis: Economic Regulation by State Commissions: The Case of the Electric Utility Industry.
Major Adviser: Prof. V. H. Gray.

1980. Michael Xavier DelliCarpini. B.A. magna cum laude '75, A.M.'75, University of Pennsylvania.
Major: Political Science. Minor: Supporting Program. Thesis: Political Participation in Changing Societies: The U.S. Case.
Major Advisers: Profs. R. W. Benjamin and J. L. Sullivan.

1980. Sidney Abraham Groeneman. A.B. with distinction '71, University of Michigan; M.A.'77, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Ethnicity and Citizen Role Orientations in an Urban Community.
Major Adviser: Prof. W. H. Flanigan.

1980. Joseph Anthony Kunkel, III. B.A. magna cum laude '72, University of Missouri; M.A.'75, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Ideological Party in American Politics: The Case of the Milwaukee Social Democrats.
Major Adviser: Prof. M. Q. Sibley.

1980. Charles Michael MacMillan. B.A.'72, University of New Brunswick; M.A.'76, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Majorities and Minorities: Henri Bourassa and Language Rights in Canada.
Major Adviser: Prof. M. Q. Sibley.

1980. Charles Edward Neal. B.A.'69, Luther College; M.A.'71, Iowa State University.
Major: Political Science. Minor: Supporting Program. Thesis: Compliance and the State Legislature: An Empirical Analysis of Abortion and Aid to Non-Public Schools in Illinois and Minnesota.
Major Adviser: Prof. Samuel Krislov.

1980. Steven Stanley Smith. B.A. with high scholastic honors '75, St. Cloud State College.
Major: Political Science. Minor: Supporting Program. Thesis: Senate Policy Alignments, 1957-1976.
Major Adviser: Prof. W. H. Flanigan.

1980. James Sherman Wafler. B.A. cum laude '66, St. Olaf College; M.A.'69, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Interest Group Success in the Congressional Arena: An Analysis of Organizational Activity and Perceptions of Interest Group Leaders.
Major Adviser: Prof. R. B. Eyestone.

1980. Bruce Alan Williams. A.B.'74, Hamilton College.
Major: Political Science. Minor: Supporting Program. Thesis: Bureaucracy, Democracy and Class: The Parliamentary Labour Party and the Problem of Voluntary Political Organizations.
Major Adviser: Prof. J. E. Turner.

1981. Elizabeth Ann Bartlett. B.A.'74, College of Wooster; M.A.'75, Kent State University.
Major: Political Science. Minor: Supporting Program. Thesis: Liberty, Equality, Sorority: Origins and Interpretations of American Feminist Thought: Frances Wright, Margaret Fuller and Sarah Grimke.
Major Adviser: Prof. M. Q. Sibley.

Political Science

1981. James W. Morrison. B.A. cum laude '69, University of Southern California.
Major: Political Science. Minor: Supporting Program. Thesis: Political Myth and the Film.
Major Adviser: Prof. M. Q. Sibley .
1981. Barbara Richards. B.A. cum laude '72, Vanderbilt University.
Major: Political Science. Minor: Supporting Program. Thesis: News Gathering in the Legislature: The Impact of Reporter-Source Exchanges.
Major Adviser: Prof. W. H. Flanigan.
1981. Mark Eugene Tompkins. B.A.'68, Ohio State University.
Major: Political Science. Minor: Psychology. Thesis: The Impact of Politics on State's Policy Adoptions: Tests of a Contingency Theory and Alternative Models.
Major Advisers: Profs. V. H. Gray and W. H. Flanigan.
1982. Jilda M. Aliotta. B.A. summa cum laude '74, Macalester College.
Major: Political Science. Minor: Supporting Program. Thesis: Popular Rights Consciousness and the Actualization of Rights.
Major Adviser: Prof. Samuel Krislov.
1982. Russell Lee Hanson. B.S. magna cum laude '75, M.A.'78, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Democratic Imagination in America: Conversations with our Past.
Major Adviser: Prof. T. W. Ball.
1982. Robert Christopher Perry. B.A. with high distinction '71, University of Kentucky.
Major: Political Science. Minor: Supporting Program. Thesis: Patterns on the U.S. Supreme Court: Revised Description and Explanation.
Major Adviser: Prof. Samuel Krislov.
1982. Cheryl D. Reedy. B.S.'75, University of Wisconsin, Milwaukee.
Major: Political Science. Minor: Supporting Program. Thesis: The Supreme Court and Congress on Abortion: An Analysis of Comparative Institutional Capacity.
Major Adviser: Prof. F. J. Sorauf, Jr.
1983. Elizabeth Mary Cholawsky. B.A. cum laude '78, Franklin and Marshall College.
Major: Political Science. Minor: Supporting Program. Thesis: The Determinants of Weapons Acquisitions in the United States.
Major Adviser: Prof. B. L. Job.
1983. Steven B. Clauser. B.A. magna cum laude '75, M.A.'79, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: A Comparative Analysis of State Discretionary Medicaid Policies.
Major Adviser: Prof. V. H. Gray.
1983. Judith Anne Gillespie (Newsome). B.A.'68, Northwestern University.
Major: Political Science. Minor: Supporting Program. Thesis: Political Processes in School Environments: An Ecological Study of School Settings.
Major Adviser: Prof. R. T. Holt.
1983. Lawrence A. Hunter. B.A. with honor '73, University of Wisconsin, Milwaukee.
Major: Political Science. Minor: Supporting Program. Thesis: A Formal Analysis of the Coalition Process Within a Committee Setting.
Major Adviser: Prof. R. T. Holt.
1983. Gregory Alan Leyh. B.A.'78, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: Of All Things the Measure is Man: Interpretation in the History of Political Thought With Special Reference to the Sophists.
Major Advisers: Profs. M. Q. Sibley and T. W. Ball.

Political Science

1984. Karen Marie Hult. B.A. summa cum laude '78, Creighton University.
Major: Political Science. Minor: Supporting Program. Thesis:
Governmental Consolidation: Implementation Processes and Outcomes.
Major Adviser: Prof. C. E. Walcott.
1984. Jonathan Mark Hurwitz. B.A. with highest distinction, honors '77,
Indiana University.
Major: Political Science. Minor: Supporting Program. Thesis: Social
Judgement Theory, Issue Emotionalism, and Strategies of Legislative
Decision-Making.
Major Adviser: Prof. J. L. Sullivan.
1984. Ian Trevor King. B.S. honors '80, University of Hull.
Major: Political Science. Minor: Supporting Program. Thesis: Marxism,
Art and the Practice of Social and Political Inquiry.
Major Adviser: Prof. T. W. Ball.
1984. Alemayehu Gebre Mariam. B.A.'74, Augusta College; M.A.'75,
University of Northern Iowa.
Major: Political Science. Minor: Supporting Program. Thesis: The
Politics of United States Immigration Policy: The Case of Recent
Undocumented Haitian Entrants.
Major Advisers: Profs. A. H. Nimitz and G. W. Wynia.
1984. Mark Alan Peffley. B.A.'77, Indiana University.
Major: Political Science. Minor: Supporting Program. Thesis: Economic
Fluctuations and Electoral Behavior.
Major Adviser: Prof. J. L. Sullivan.
1984. Patrick John Walsh. B.A.'74, M.A.'75, University of Canterbury.
Major: Political Science. Minor: Supporting Program. Thesis: The
Rejection of Corporatism: Trade Unions, Employers and the State in New
Zealand, 1960-1977.
Major Adviser: Prof. R. W. Benjamin.
1985. Julie Ann Erfanirezaiansari. B.A. magna cum laude '78, Knox
College; M.A. '81, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: State
Building and Dependent Industrialization in Mexico.
Major Advisers: Profs. R. D. Duvall and G. W. Wynia.
1985. Joseph Fiske Kobylka. B.A. magna cum laude '78, Beloit College.
Major: Political Science. Minor: Supporting Program. Thesis:
Organizational Response to a Changing Litigation Environment: The Effect of
Miller V. California on the Litigation Behavior of Organizations.
Major Adviser: Prof. F. J. Sorauf.
1985. Nancy Susan Lind. B.S. with high honors '80, University of
Wisconsin, Stevens Point; M.A. '82, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: The Aging
of Public Bureaucracies.
Major Adviser: Prof. C. E. Walcott.
1985. Jennifer Lynn McCoy. B.A. honors '78, Oklahoma State University.
Major: Political Science. Minor: Supporting Program. Thesis:
Democratic Dependent Development and State-Labor Relations in Venezuela.
Major Advisers: Profs. G. W. Wynia and R. D. Duvall.
1985. Michael Dean McGinnis. B.S. cum laude '80, Ohio State University.
Major: Political Science. Minor: Supporting Program. Thesis: Arms,
Aid, and Allies: A Formal Model of the Security Policies of Regional
Powers.
Major Advisers: Profs. J. H. Aldrich and B. L. Job.

Political Science

1985. John Matthew Norris. A.B. '68, Whitman College; A.M. '73, University of Illinois, Urbana.
Major: Political Science. Minor: Supporting Program. Thesis: Discretionary Authority in Federal Executive Agencies.
Major Adviser: Prof. R. B. Eyestone.

1985. Donna Marie Schlagheck. B.A. summa cum laude '79, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: - Contextual and Conceptual Content Analysis in the Study of Foreign Policy Decision-Making.
Major Adviser: Prof. P. T. Hopmann.

1985. Vicki Lynn Templin. B.A. '74, University of Minnesota.
Major: Political Science. Minor: Supporting Program. Thesis: A Comparative Study of State and Provincial Legislators in Canada and the United States: Predicting Public Policy Decisions.
Major Adviser: Prof. J. E. Turner.

1986. Timothy Othmar Lenz. B.A. high honors '77, St. Cloud State College; M.A. '79, University of North Dakota.
Major: Political Science. Minor: Supporting Program. Thesis: Group Participation in the Politics of Sentencing Reform.
Major Adviser: Prof. Samuel Krislov.

1986. Baruch Mevorach. B.A. '79, M.S. '81, Tel-Aviv University.
Major: Political Science. Minor: Supporting Program. Thesis: Politics, Economics, and American Macroeconomic Outcomes--The Cases of Post-War Inflation and Unemployment.
Major Adviser: Prof. J. L. Sullivan.

Social Work

1976. Nancy Jane Brennan. B.A. '65, M.S.W. '67, University of Minnesota.
Major: Social Work. Minor: Supporting Program. Thesis: Variation in the Utilization of Evaluation Research for Federal Decision Making.
Major Adviser: Prof. J. A. Goodman.

1976. Michael Patrick Connolly. B.A. magna cum laude '56, College of St. Thomas; M.S.S. '61, Fordham University School of Social Service; M.A. '63, New School for Social Research.
Major: Social Work. Minor: Sociology. Thesis: An Historical Study of Change in Saul D. Alinsky's Community Organization Practice and Theory, 1939-1972.
Major Advisers: Profs. C. A. Chambers and R. G. Guilford.

1977. Abdulhadi Mohammad Alawadi. B.S. '67, Central Missouri State University; M.S.W. '73, Ohio State University.
Major: Social Work. Minor: Supporting Program. Thesis: A Case Study of Citizen Participation in the Model Neighborhood Planning Council, St. Paul, Minnesota.
Major Adviser: Prof. B. E. Compton.

1977. John Mack McCain. B.S. '56, Appalachian State University.
Major: Social Work. Minor: Supporting Program. Thesis: A Study of the Association Between Community Care Home Sponsors' Personalities and Alienation Patterns of Long-Hospitalized Schizophrenic Male Veterans.
Major Adviser: Prof. B. R. Compton.

1977. Shirley Lee Zimmerman. B.A. '47, M.S.W. '67, University of Minnesota.
Major: Social Work. Minor: Supporting Program. Thesis: The Use of Information and Referral Service's Data in Social Planning by County Social Service Agencies in Minnesota.
Major Adviser: Prof. Richard Sterne.

Social Work

1978. William David Harrison. B.A.'70, University of North Carolina; M.S.W.'72, University of Minnesota.
Major: Social Work. Minor: Supporting Program. Thesis: The Relationship of Role Conflict and Role Ambiguity to the Job Satisfaction of Child Protective Service Social Workers.
Major Adviser: Prof. B. R. Compton.

1978. Peter Hettinga. B.S.W.'74, M.S.W.'75, University of Calgary.
Major: Social Work. Minor: Educational Psychology. Thesis: The Impact of Videotaped Interview Playback with Instructional Feedback on Social Work Student Self Perceived Interviewing Competence and Self Esteem.
Major Adviser: Prof. B. E. Compton.

1978. Mary Helen Martin Lynch. A.B.'58, Rosemont College; M.S.W.'76, University of Minnesota.
Major: Social Work. Minor: Supporting Program. Thesis: An Exploratory Study of the Public Personal Social Services.
Major Adviser: Prof. G. S. Hoshino.

1978. Robert Samuel Nevin. B.A.'64, Augsburg College; M.S.W.'68, University of Denver; M.P.H.'76, University of Minnesota.
Major: Social Work. Minor: Public Health. Thesis: Parental Coping in Raising Children Who Have Spina Bifida Cystica.
Major Adviser: Prof. H. I. McCubbin.

1978. Richard Niles Spano. B.S.'66, St. John's University; M.S.W.'68, Saint Louis University.
Major: Social Work. Minor: Supporting Program. Thesis: The Rank and File Movement in Social Work.
Major Adviser: Prof. G. S. Hoshino.

1979. James Princeton Adams, Jr. B.A.'69, Tougaloo College; M.S.W.'73, University of New York at Stony Brook.
Major: Social Work. Minor: Supporting Program. Thesis: Social Service Needs by Minority Elderly: A Critical Cross-Cultural Analysis.
Major Adviser: Prof. B. E. Compton.

1979. Donald Eugene Maypole. B.S.'57, Idaho State College; M.S.'61, University of Wisconsin.
Major: Social Work. Minor: Supporting Program. Thesis: The Impacts of Department of Public Welfare "Purchase of Service" Contracts on Voluntary Service Organizations.
Major Adviser: Prof. B. E. Compton.

1979. Manuel Nakanishi. B.A.'63, University of Dubuque; M.S.S.W.'67, University of Tennessee.
Major: Social Work. Minor: Supporting Program. Thesis: Squatters' Acquisition of Land Ownership in Peru: A Successful Social Movement.
Major Adviser: Prof. G. S. Hoshino.

1979. Peter Tsebeni Simbi. B.A.'73, Makerere University; M.S.W.'75, M.A.'77, University of Minnesota, Duluth.
Major: Social Work. Minor: Supporting Program. Thesis: The Effect of Role Conflict upon Job Attitudes and Effectiveness of Correctional Counselors.
Major Adviser: Prof. H. I. McCubbin.

1979. Joan Ellen Swanson Velasquez. B.A. summa cum laude '63, Macalester College; M.S.'65, Western Reserve University.
Major: Social Work. Minor: Sociology. Thesis: An Experimental Evaluation of Milieu Therapy in a Community Based Residence.
Major Adviser: Prof. H. I. McCubbin.

1980. Burton Robert Galaway. A.B. with high distinction '59, Nebraska Wesleyan University; M.S.'61, Columbia University.
Major: Social Work. Minor: Sociology. Thesis: Role Consensus and Satisfaction in Foster Family Care Systems.
Major Adviser: Prof. Richard Sterne.

Social Work

1980. Brian Wiley Klepinger. B.A.'60, Cornell College; M.A.'62, University of Chicago.

Major: Social Work. Minor: Supporting Program. Thesis: The Leadership Behavior of Executives of Social Service Organizations as Related to Managerial Effectiveness and Employee Satisfaction.

Major Adviser: Prof. G. S. Hoshino.

1980. David John Kruzich. B.A.'67, St. Cloud State College; M.S.W.'69, Arizona State University.

Major: Social Work. Minor: Supporting Program. Thesis: An Examination of Client and Program Related Variables as Predictors of Alcohol Treatment Outcomes.

Major Adviser: Prof. H. I. McCubbin.

1980. Noel Ruth Weber Larson. B.A.'66, M.S.W.'67, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: An Analysis of a State-Sponsored Program Designed to Teach Intervention Skills in the Treatment of Family Sexual Abuse.

Major Adviser: Prof. H. I. McCubbin.

1980. Sharon Kay Patten. B.A. cum laude '66, St. Olaf College; M.S.W.'68, M.A.'76, University of Minnesota.

Major: Social Work. Minor: Public Affairs. Thesis: An Analysis of Public Income Transfers Received by Older Home Care and Nursing Home Clients Utilizing the Concepts of Horizontal Equity and Functional Capacity.

Major Adviser: Prof. G. S. Hoshino.

1980. Kristine Ann Siefert. A.B.'72, M.S.W.'75, University of Michigan.

Major: Social Work. Minor: Supporting Program. Thesis: Predictors of the Potential for Unusual Parenting Practices in Parents of Infants Discharged from a Regional Intensive Care Unit.

Major Adviser: Prof. B. E. Compton.

1981. Eugene Joseph Connelly. B.A. summa cum laude '64, M.S.W.'67, M.A.P.A.'67, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: Predictions of Patient Attrition from an Alcohol Rehabilitation Program.

Major Adviser: Prof. H. I. McCubbin.

1981. Carol Florence Kuechler. B.A.'69, Marquette University; M.S.W.'72, University of Wisconsin, Milwaukee.

Major: Social Work. Minor: Supporting Program. Thesis: The State as Parent: An Analysis of the Factors Related to the Case Plan Status of Children Under State Guardianship.

Major Adviser: Prof. B. E. Compton.

1981. Judith Ann Miller. B.A.'65, College of St. Catherine; M.S.W.'67, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: A Developmentally Designed Institute for Human Service Practitioners: The Relationship of Teaching Method to Self-Esteem and Self-Competence.

Major Adviser: Prof. B. E. Compton.

1981. Richard D. Present. B.A.'67, MacMurray College; M.S.W.'69, State University of New York.

Major: Social Work. Minor: Supporting Program. Thesis: The Differential Management of Task and Personal Conflict as It Relates to Staff Unit Decisions: A Cross Sectional Survey Within a Residential Treatment Center.

Major Adviser: Prof. Richard Sterne.

Social Work

1981. Susan Kristine Schultz. B.A.'73, University of Colorado; M.S.W.'77, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: An Exploratory Study of the Relationship of Some Psychosocial Factors and Health Beliefs to Compliance with the Therapeutic Regimen Among Adolescents with Cystic Fibrosis.

Major Adviser: Prof. Richard Sterne.

1982. Djuwe Joe Blom. B.A.'66, M.S.W.'70, University of British Columbia. Major: Social Work. Minor: Supporting Program. Thesis: A Descriptive Study of the Difference Between Families with a Preschooler with Normal Articulation and Families with a Preschooler Receiving Treatment for a Functional Articulation Disorder.

Major Adviser: Prof. B. E. Compton.

1982. James Joseph Francyk. B.A.'68, University of Wisconsin; M.S.W.'72, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: Population Characteristics and Family Dependence in Minnesota Counties: An Assessment of the Power of Aggregate Social Indicators.

Major Adviser: Prof. Richard Sterne.

1982. Peter Williams Grant. B.A.'67, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: The Intergenerational Family in Business.

Major Adviser: Prof. H. M. McCubbin.

1982. Jan Lynn Hagen. B.A.'70, University of North Dakota; M.S.W.'72, Washington University.

Major: Social Work. Minor: Supporting Program. Thesis: Due Process Procedures Utilized by Petitioners in Welfare Fair Hearings.

Major Adviser: Prof. C.D. Hollister.

1984. Rosemary Anne Chapin. B.A.'69, Kansas State University; M.S.W.'71, University of Minnesota.

Major: Social Work. Minor: Supporting Program. Thesis: Needs Assessment of the Elderly: Focus on Utilization.

Major Adviser: Prof. C. D. Hollister.

1984. James Thomas Shelton. B.S. with high distinction '72, Tennessee A and I State University; M.S.W.'74, Wayne State University.

Major: Social Work. Minor: Supporting Program. Thesis: Planned Change Through Citizen Participation Within a Specific Community Development Program.

Major Adviser: Prof. I. E. Carter.

1984. Joseph Milton Tillman. B.A.'72, California State College, Dominguez Hills; M.S.W.'76, Washington University.

Major: Social Work. Minor: Supporting Program. Thesis: A Faustian Example of Betrayal: The Ramsey County Citizens Committee for Economic Opportunity.

Major Adviser: Prof. C. A. Chambers.

1985. Bader Hamad Al-Eisa. B.S. '76, University of Helwan; M.S.W. '79, Tulane University.

Major: Social Work. Minor: Supporting Program. Thesis: A Qualitative Study: The Low and Middle-Income Housing Problem in the State of Kuwait.

Major Adviser: Prof. C. D. Hollister.

1985. Daniel Arthur Haugen. B.A. magna cum laude '77, University of Wisconsin, Eau Claire; M.S.S.W. '78, University of Wisconsin, Madison.

Major: Social Work. Minor: Supporting Program. Thesis: An Analysis of Child Commitment and Placement Trends in Minnesota, 1970-1981.

Major Advisers: Profs. C. D. Hollister and P. A. AuClaire.

Social Work

1985. John Phillip Nelson. B.S. '71, M.S.W. '73, Louisiana State University.
Major: Social Work. Minor: Supporting Program. Thesis: An Experimental Evaluation of a Home-Based Family-Centered Program Model in a Public Child Protection Agency.
Major Adviser: Prof. C. D. Hollister.

1985. Melanie F. Shepard. B.A. '76, M.S. '79 University of Wisconsin.
Major: Social Work. Minor: Supporting Program. Thesis: Intervention with Men Who Batter: Evaluation of the Duluth Domestic Abuse Intervention Project.
Major Adviser: Prof. H. I. McCubbin.

1986. Sylvia Ridlen Wenston. B.A. '70, Creighton University; M.S.W. '76, University of Iowa.
Major: Social Work. Minor: Supporting Program. Thesis: Variations in Marital Satisfaction and Life Changes Across the Menstrual Cycle.
Major Adviser: Prof. N. F. Bracht.

Sociology

1976. Richard Paul Devine. B.A. '64, St. John's University; M.A. '67, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Opinion Influence Roles: Opinion Leaders, Opinion Followers, and Independents.
Major Adviser: Prof. Irving Tallman.

1976. Stephen Robert Jorgensen. B.A. with high honor '71, Hamline University.
Major: Sociology. Minor: Supporting Program. Thesis: Antecedents of Marital Conflict: An Examination of Sociocultural Heterogamy and Socioeconomic Rewards in Marriage.
Major Adviser: Prof. Reuben Hill.

1976. Herbert Clive Northcott. B.A. '70, University of Manitoba; M.S. '71, Brigham Young University.
Major: Sociology. Minor: Supporting Program. Thesis: Structure and Process: The Distribution of Physicians and Dentists in Minnesota Counties 1900-1970.
Major Adviser: Prof. B. L. Ellenbogen.

1976. Kay Michael Troost. B.A. '69, Carleton College.
Major: Sociology. Minor: Supporting Program. Thesis: Communication in Marriage: Bridging Speech Communication and Family Sociology.
Major Adviser: Prof. Reuben Hill.

1976. Mary Kaye Zimmerman. A.B. '67, University of Michigan; M.A. '71, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Passage Through Abortion: A Sociological Analysis.
Major Adviser: Prof. Harold Finestone.

1977. Alan Vincent Abramson. A.B. with honor '70, Wheaton College.
Major: Sociology. Minor: Supporting Program. Thesis: Structural Regularities in the American Intermetropolitan Migration Process: 1930-1970.
Major Adviser: Prof. T. R. Anderson.

1977. Paul Morgan Baker. B.A. with honor '73, University of Victoria; M.A. '75, University of Minnesota.
Major: Sociology. Minor: Philosophy. Thesis: Psychophysical Methods in the Study of Social Status.
Major Adviser: Prof. R. E. Anderson.

Sociology

1977. Dale Arthur Blyth. B.A. summa cum laude '71, Luther College.
Major: Sociology. Minor: Supporting Program. Thesis: An Exploration of the Cultural Discontinuity Hypothesis Among Early Adolescents in Two Educational Environments: A Longitudinal Analysis.
Major Adviser: Prof. R. G. Simmons.

1977. Robert Louis Chauncey. A.B. cum laude '71, M.A.'72, Temple University.
Major: Sociology. Minor: Supporting Program. Thesis: Definitions of Deviance: The Case of Mental Illness.
Major Adviser: Prof. Harold Finestone.

1977. Hong Ik Chung. B.A.'67, Seoul National University; M.A.'71, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: A Comparative Study of Change in Industrial Organizations: An Analysis of Selected Structural and Contextual Determinants of Change in Organizations.
Major Adviser: Prof. G. A. Donohue.

1977. Paul Ross Elmore. B.A.'63, San Francisco State College.
Major: Sociology. Minor: Supporting Program. Thesis: The Silent Self: An Inquiry in the Self Conceptions of Deaf Adolescents.
Major Adviser: Prof. G. P. Stone.

1977. Lerke Gravenhorst. Diplom.'69, Johann Wolfgang Goethe University.
Major: Sociology. Minor: Child Psychology. Thesis: Intrafamilial Interaction and Cognition.
Major Adviser: Prof. R. K. Leik.

1977. Marilyn Paschke Ihinger. B.A.'69, M.A.'71, University of California, Riverside.
Major: Sociology. Minor: Supporting Program. Thesis: Attainment Values and Parental Value Transmission.
Major Adviser: Prof. I. L. Reiss.

1977. Toshimasa Kii. B.Econ.'66, Sophia University; M.A.'73, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Aging in Japan: Policy Implications of the Aging Population.
Major Adviser: Prof. R. E. Kennedy.

1977. Anita Sue Kolman. B.A.'70, University of Maryland; M.A.'74, University of Minnesota.
Major: Sociology. Minor: Child Psychology. Thesis: Adolescent Problem Definition Behavior and Its Relationship to Parental Control and Support Patterns.
Major Adviser: Prof. R. K. Leik.

1977. Paul William Mattessich. B.A. summa cum laude '72, New York University.
Major: Sociology. Minor: Supporting Program. Thesis: Kin, Friends, Voluntary Associations: A Study of Participation in Family and Non-Family Networks.
Major Adviser: Prof. Reuben Hill.

1977. Peter Joseph Nowak. B.A. '73, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: The Contextual Effects of Environmental Conflict on Two Models of Political Participation.
Major Adviser: Prof. C.E. Ramsey.

1977. Thomas John Schmid. B.A.'72, M.A.'72, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Parental Reactions to the Affiliational Stigma of Mental Retardation.
Major Adviser: Prof. R. G. Simmons.

Sociology

1977. Beverly Anne Wesley. B.A. magna cum laude '69, M.A.'71, North Dakota State University.
Major: Sociology. Minor: Supporting Program. Thesis: Scientists' Perception of the Scientific Community.
Major Adviser: Prof. C. E. Ramsey.
1977. Barbara Reed West. B.A.'69, University of Hawaii; M.A.'76, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Public Conceptions of Rule Breaking and the Treatment of Criminal Offenders.
Major Adviser: Prof. S. P. Spitzer.
1978. Robert Rechavia Friedmann. Bachelor of Social Sciences and Mathematical Sciences '74, University of Haifa.
Major: Sociology. Minor: Supporting Program. Thesis: Higher Education Dropout: A Test of a Theoretical Formulation of Background and Environmental Attributes.
Major Adviser: Prof. David Cooperman.
1978. David Michael Klein. B.A.'67, University of Washington.
Major: Sociology. Minor: Supporting Program. Thesis: Developmental Context, Coorientation, and Conflict Management in Marriage.
Major Adviser: Prof. Reuben Hill.
1978. Phyllis Elkins Moen. B.S.Ed.'71, M.S.'73, University of North Dakota.
Major: Sociology. Minor: Supporting Program. Thesis: Family Impact of the 1975 Recession: Unemployment Among Families with Children.
Major Adviser: Prof. Reuben Hill.
1978. James Preston Viken. B.A.'70, M.A.'71, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: The Sport of Drag Racing and the Search for Satisfaction, Meaning, and Self: Work and the Mastery of Accrued Skill in Suitable Challenge Situations.
Major Adviser: Prof. G. P. Stone.
1979. Albert Lawrence Banwart. B.S.'67, University of Iowa; M.Div.'70, Garrett Theological Seminary.
Major: Sociology. Minor: Supporting Program. Thesis: Effects of Occupational and Marital Communication Styles upon Marital Problems.
Major Adviser: Prof. I. L. Reiss.
1979. Diane E. Mitsch Bush. B.A. summa cum laude '75, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: The Legitimation of Violence in Early Adolescence: A Longitudinal Study.
Major Adviser: Prof. P. D. Reynolds.
1979. Barry Bailin Cohen. B.A.'67, Brooklyn College; M.A.'72, University of Minnesota.
Major: Sociology. Minor: Anthropology. Thesis: Contingencies in the Recommendation of Retarded Children for Special Class Placement: Formal and Informal Criteria in Teacher Judgments.
Major Adviser: Prof. D. A. Martindale.
1979. Rhoda Elaine Estep. B.A. summa cum laude '72, Oklahoma Baptist University; M.S.'74, Portland State University.
Major: Sociology. Minor: Supporting Program. Thesis: The Effect of Interorganizational Ties on the Contemporary Consumer Cooperative Movement in Minnesota.
Major Adviser: Prof. T. R. Anderson.
1979. Richard Clifton Hollinger. A.B.'72, M.A.'73, University of Georgia.
Major: Sociology. Minor: Supporting Program. Thesis: Employee Deviance: Acts Against the Formal Work Organization.
Major Adviser: Prof. J. P. Clark.

Sociology

1979. Paul Leandre Steinmarc. B.A.'67, M.A.'69, Queens College.
Major: Sociology. Minor: Supporting Program. Thesis: When a Young Child Dies: The Interactionist Approach to the Crisis of Sudden Infant Death Syndrome and Its Case Management.
Major Adviser: Prof. R. L. Fulton.
1980. Karen Altergott. B.A. cum laude '73, University of Wisconsin, Milwaukee; M.A.'78, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Variety in Daily Life: A Time-Budget Study of Role-Relationships Across the Life Course.
Major Adviser: Prof. D. G. McTavish.
1980. Lea Salomon Hagoel. B.S.S.'73, M.A.'75, University of Haifa.
Major: Sociology. Minor: Supporting Program. Thesis: Urban Friendships: Qualitative and Quantitative Aspect of Primary-Relations in an Urban Community Setting.
Major Adviser: Prof. David Cooperman.
1980. Sherryl Kleinman. B.A. with honors '75, McGill University; M.A.'76, McMaster University.
Major: Sociology. Minor: Supporting Program. Thesis: Changing Contexts, Rhetoric, and Socialization: The Making of the "New" Minister.
Major Adviser: Prof. G. P. Stone.
1980. Rhonda Jean Voigt Montgomery. B.S. with honor '72, M.A.'75, North Dakota State University.
Major: Sociology. Minor: Supporting Program. Thesis: Relationships of Residents of Long Term Health Care Institutions to Their Families and Staff.
Major Adviser: Prof. R. K. Leik.
1980. Deborah Shatin. A.B.'70, Douglass College; M.S.W.'73, Rutgers State University; M.A.'77, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Social Control in an Interorganizational Health Care Network: The End Stage Renal Disease Program.
Major Adviser: Prof. R. G. Simmons.
1980. Karen Anne Thiel. A.B. with honors '70, Douglass College.
Major: Sociology. Minor: Supporting Program. Thesis: Public Intervention and the Ecological Model, an Analysis of the Distribution of Family Status Characteristics Across a Metropolitan Area.
Major Adviser: Prof. David Cooperman.
1981. Lyle A. Hallowell. B.A. magna cum laude '72, Wartburg College.
Major: Sociology. Minor: Supporting Program. Thesis: The Political Economy of Violence and Its Control: A Sociological History of Professional Ice Hockey.
Major Adviser: Prof. D. A. Ward.
1981. Robert John Hockin. B.A.'71, Moravian College; M.A.'79, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Symbiosis and Socialization: A Sociological Examination of Ph.D. Advising.
Major Adviser: Prof. D. A. Martindale.
1981. Constance Louise Osterbaan. B.A. with honors '67, Bethel College; M.A.'75, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Sex of Performer and Sex of Observer Differences in Attributions for Success: A Bayesian Analysis.
Major Adviser: Prof. R. K. Leik.
1981. Jerry Richard Parker. B.S.'72, Oklahoma State University.
Major: Sociology. Minor: Supporting Program. Thesis: Social Control and the Legal Profession.
Major Adviser: Prof. J. P. Clark.

Sociology

1981. Pablo Pindas-Chernoloujsky. Licenciado '67, Universidad Nacional Autonoma de Mexico.
Major: Sociology. Minor: Supporting Program. Thesis: Mexican Leaders' Roles and Perceptions of Population Growth, Policies and Programs.
Major Adviser: Prof. Reuben Hill.
1981. Charles Edward Simpkins. B.A.'67, University of Arizona; M.A.'70, University of Minnesota.
Major: Sociology. Minor: Philosophy. Thesis: School Structure, Friendship Bonds, and Education Plans.
Major Adviser: Prof. J. I. Nelson.
1981. Nancy Wendlant Stein. B.A. with high honor '67, Michigan State University; A.M.'69, Indiana State University.
Major: Sociology. Minor: Supporting Program. Thesis: Occupational Mandate: Mediated Exchange and the Science Professions.
Major Adviser: Prof. R. H. Hall.
1981. Mohammad Tavakoliyazdi. B.A.'64, University of Iran; M.A.'70, Roosevelt University.
Major: Sociology. Minor: Supporting Program. Thesis: Assimilation and Status Attainment of Middle Eastern Immigrants in the United States.
Major Adviser: Prof. R. E. Kennedy, Jr.
1981. Eleanor Marie Vander Haegen. A.B.'62, Emmanuel College; M.A.'69, Marquette University.
Major: Sociology. Minor: Psychology. Thesis: Role Conflict in the Professionalization of Psychiatric Nurses.
Major Adviser: Prof. T. J. Litman.
1981. Chin-Chun Yi. B.A.'72, National Taiwan University; M.A.'75, University of Wisconsin, Milwaukee.
Major: Sociology. Minor: Supporting Program. Thesis: Housing Satisfaction Among Residents of Taichung, Taiwan.
Major Adviser: Prof. R. E. Kennedy, Jr.
1981. Peter Pitak Yin. B.A.'76, Moorhead State University.
Major: Sociology. Minor: Supporting Program. Thesis: Fear of Crime as a Form of Chronic Apprehension: The Elderly in an Urban Setting.
Major Adviser: Prof. P. D. Reynolds.
1982. Jan Stark Benson. B.A.'72, State University of New York at Stony Brook.
Major: Sociology. Minor: Supporting Program. Thesis: Explaining Organizational Structure: A Comparison of Business Organizations and Human Service Organizations.
Major Adviser: Prof. T. R. Anderson.
1982. Gregory Allen Gifford. B.A.'74, M.A.'79, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Role Differentiation, Role Conflict, and Decision Making Under Stress: Experimental Simulations of Official Warning Decision Under Threat of Natural Disaster and Implications for Medical Diagnosis.
Major Adviser: Prof. R. K. Leik.
1982. Jon Porter Lorence. B.A. magna cum laude '70, Central College, Iowa; M.A.'72, Iowa State University.
Major: Sociology. Minor: Supporting Program. Thesis: Intraoccupational Income Inequality: Human Capital and Institutional Determinants.
Major Adviser: Prof. J. I. Nelson.
1982. Helen Jeanne Mederer. B.A. cum laude '76, Muhlenberg College.
Major: Sociology. Minor: Supporting Program. Thesis: The Transition to a Parent Caring Role by Adult Children: An Explanatory Model of Ease of Role Transition and Difficulty of Role Performance.
Major Adviser: Prof. Reuben Hill.

Sociology

1982. Herman James Milligan, Jr. B.A.'71, University of Wisconsin.
Major: Sociology. Minor: Supporting Program. Thesis: The New Inmate
Culture: Race Relations in a Maximum Security Prison.
Major Adviser: Prof. D. A. Ward.

1982. Gregory Mark Owen. B.A. cum laude '73, University of Vermont.
Major: Sociology. Minor: Supporting Program. Thesis: Care for the
Dying: A Study of the Need for Hospice.
Major Advisers: Profs. D. A. Martindale and Robert Fulton.

1982. Peter Francis Parilla. B.A. magna cum laude '72, College of St.
Thomas; M.A.'78, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Organizational
Control of Employee Theft: A Test of Deterrence Hypotheses.
Major Adviser: Prof. J. P. Clark.

1982. Edward Foster Van Cleave, Jr. B.A.'76, M.A.'79, University of
Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Family
Configuration and Children's Self-Esteem: The Effect of Birth Order, Family
Size, Birth Interval, Gender-Mix of Siblings, and Parent's Marital Status.
Major Adviser: Prof. R. K. Leik.

1982. Deborah Lyn Woodworth. B.A.'72, Miami University, Ohio.
Major: Sociology. Minor: Supporting Program. Thesis: A Content
Analytic Study of Religious Meaning and Life Satisfaction.
Major Adviser: Prof. David Cooperman.

1983. Janet Leslie Brown. B.A. with first class honors '72, University of
Brunswick.
Major: Sociology. Minor: Supporting Program. Thesis: Organizational
Structure, Ideology, and Participation: A Study of Twin City Food
Cooperatives.
Major Adviser: Prof. B. L. Ellenbogen.

1983. Ralph Lynn Cherry. B.A. magna cum laude '71, Oklahoma Baptist
University.
Major: Sociology. Minor: Supporting Program. Thesis: Domains and
Dependence: Predicting the Diversification of Human Service Organizations.
Major Adviser: Prof. D. G. McTavish.

1983. Freddie Mae Clary. B.A.'74, New College; M.A.'79, University of
Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Life Satisfaction
Among Elderly Widowed Women.
Major Adviser: Prof. D. G. McTavish.

1983. Barbara Ann Elliott (Johnson). B.A. magna cum laude '69, M.A.'75,
University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Families Managing
Chronic Stress: Role Enactment with Physically Disabled Children.
Major Adviser: Prof. T. J. Litman.

1983. Farah Gilanshah. B.A.'75, National University of Iran; M.A.'81,
University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: The Iranians of
the Twin Cities.
Major Adviser: Prof. D. A. Martindale.

1983. Cary Louis Jurek. B.A.'72, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Young Adult
Premarital Heterosexual Life Style and Institutional Normative Context.
Major Adviser: Prof. D. G. McTavish.

Sociology

1983. David George McKee. B.A.'72, University of the Pacific.
Major: Sociology. Minor: Supporting Program. Thesis: The Effects of Family and Public Health Education on Preventive Health Behavior: The Case of Changes in Individual's Smoking, Exercise, and Dietary Behaviors.
Major Adviser: Prof. P. D. Reynolds.
1983. Glorian C. Sorensen. B.A.'74, M.P.H.'81, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Gender Differences in the Effects of Employment on Health.
Major Adviser: Prof. J. T. Mortimer.
1984. Brad B. Richardson. B.A.'76, Mount Mercy College; M.A.'78, University of Nebraska.
Major: Sociology. Minor: Supporting Program. Thesis: Social Response to Technological Disaster: The Accident at Three Mile Island.
Major Adviser: Prof. R. K. Leik.
1985. Reba Anne Carruth. B.A. cum laude '77, University of Baltimore; M.A. '80, The American University.
Major: Sociology. Minor: Supporting Program. Thesis: Compliance Mechanisms in Intergovernmental Organizations: The Case of Steel in the Organization for Economic Cooperation and Development and the European Coal and Steel Community.
Major Adviser: Prof. David Cooperman.
1985. Marie Cornwall. B.A. '71, University of Utah; M.S. '76, Brigham Young University.
Major: Sociology. Minor: Supporting Program. Thesis: Personal Communities: The Social and Normative Bases of Religion.
Major Adviser: Prof. A. L. Johnson.
1985. Mary Josephine Gallant. A.B. '69, A.M. '73, University of Missouri, Columbia.
Major: Sociology. Minor: Supporting Program. Thesis: Close Friendship: A Network Analytic Approach to the Study of Social Solidarity.
Major Adviser: Prof. Joseph Galaskiewicz.
1985. Donald Samuel Kumka. B.A.'76, University of Manitoba.
Major: Sociology. Minor: Supporting Program. Thesis: Values and Occupational Choice: A Case for Consistency.
Major Adviser: Prof. J. T. Mortimer.
1986. Kris Ann Bulcroft. B.A. cum laude '74, Pacific Lutheran University; M.Ed. '78, Eastern Washington State College.
Major: Sociology. Minor: Supporting Program. Thesis: Senior Center Participation: Levels of Attendance and Nature of Use.
Major Adviser: Prof. T. R. Anderson.
1986. Knut Ekker. B.A. '74, St. Olaf College; M.A. '82, University of Minnesota.
Major: Sociology. Minor: Supporting Program. Thesis: Technological Innovation and the Implications for Social Differentiation: The Case of Micro-Computer Technology.
Major Adviser: Prof. R. K. Leik.
1986. Donald Edward Green. B.A. '78, M.S. '79, University of Oklahoma at Norman.
Major: Sociology. Minor: Supporting Program. Thesis: The Social Control of the Drinking Driver.
Major Adviser: Prof. C. M. Kruttschnitt.
1986. Eric Roy Markusen. B.A. magna cum laude '69, Macalester College; M.S.W. '77, University of Washington.
Major: Sociology. Minor: Supporting Program. Thesis: The Holocaust and Strategic Bombing: Case Studies in the Psychology, Organization, and Technology of Mass Killing in the Twentieth Century.
Major Adviser: Prof. R. L. Fulton.

Speech-Communication

1976. James Thomas Borgestad. B.A.'68, St. John's University; M.A.'72, University of Minnesota.
Major: Speech-Communication. Minor: Psychology. Thesis: The Politics of Higher Education: A Case Study of the Communication Between the 1975 Minnesota State Legislature and the University of Minnesota.
Major Adviser: Prof. R. L. Scott.

1976. James Michael Kushner. B.A. cum laude '67, University of Southern California; M.A.'70, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: International Religious Radio Broadcasting in Africa: Program Policies and Problem Areas.
Major Adviser: Prof. D. R. Browne.

1976. Linda Lee Putnam. B.A.'67, Hardin-Simmons University; M.A.'68, University of Wisconsin.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Construction and Testing of a Questionnaire to Assess an Individual's Preference for Procedural Order in Small Groups.
Major Adviser: Prof. E. G. Bormann.

1976. Lorin Ralph Robinson. B.A.'65, M.S.'66, Northwestern University.
Major: Speech-Communication. Minor: Mass Communication. Thesis: News on Public Television: Analysis of an Alternative Format for the Presentation of Television News.
Major Adviser: Prof. D. R. Browne.

1976. Barbara Freida Sharf. B.A. with high distinction '69, M.A.'71, Pennsylvania State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: A Rhetorical Analysis of Communication in Marriage Counseling Sessions.
Major Adviser: Prof. R. L. Scott.

1976. Gary Frederick Soldow. B.A.'70, M.A.'74, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: An Experiment Testing the Relationship Between Cognitive Complexity and Syntactic Complexity.
Major Advisers: Profs. D. L. Rarick and R. S. Geizer.

1977. Milton James Bennett. B.A.'67, Stanford University; M.A.'72, California State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Form/Feeling Process: An Integrative Theory of Perception and Communication.
Major Adviser: Prof. W. S. Howell.

1977. James Donnell Brown. B.A.'55, Central Bible Institute; M.A.'68, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Webster-Calhoun Debate on the Revenue Collection Bill of 1833: A Rhetorical Critique.
Major Adviser: Prof. E. G. Bormann.

1977. Catherine Ann Collins. B.F.A. magna cum laude '70, M.A.'71, University of Arizona.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Kissinger's Press Conferences: 1972-1974: A Rhetorical Assessment of Form, Substance, and Strategy.
Major Adviser: Prof. R. L. Scott.

1977. William B. Gudykunst. B.S.'70, M.A.'71, Arizona State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Effects of an Intercultural Communication Workshop on Cross-Cultural Attitudes and Interaction.
Major Adviser: Prof. W. S. Howell.

Speech-Communication

1977. Rosemary Hart. B.A.'67, University of California, Santa Barbara; M.A.'70, Ohio State University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: J. Robert Oppenheimer: A Case Study in the Strategies of Self-Defense in a Government Security Hearing.

Major Adviser: Prof. J. V. Jensen.

1977. Robert George Pekurny. A.B.'71, Hunter College of the City University of New York; M.A.'73, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Broadcast Self-Regulation: A Participant-Observation Study of the National Broadcasting Company's Broadcast Standards Department.

Major Adviser: Prof. D. R. Browne.

1977. Charles Joseph Rogers. B.S.'53, University of Wisconsin; M.B.A.'69, University of Santa Clara.

Major: Speech-Communication. Minor: Business Administration. Thesis: A Study of Communication in Consumer Experiences with Retail Department Store Credit Billing Statements.

Major Adviser: Prof. D. L. Rarick.

1977. Michael Edward Stano. B.A.'69, University of Nevada; M.A.'70, University of Colorado.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Dimensions of Productive and Unproductive Performance Appraisal Interviews.

Major Adviser: Prof. W. S. Howell.

1978. Rachel Roxanne Birtha. B.A. magna cum laude '69, University of Pittsburgh; M.A.'72, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: An Analysis of Black and White Interpretations of the Content and Intent of a Black-Directed, Black-Oriented Feature Film.

Major Adviser: Prof. D. R. Browne.

1978. Barry Scott Brummett. B.A.'73, Macalester College; M.A.'75, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: A Justification for the Concept of the "Active Audience," with Some Implications for Rhetorical Theory.

Major Adviser: Prof. R. L. Scott.

1978. William Roger Chartrand. B.A.'64, Augsburg College; M.A.'69, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Applications of Selected Components of a Correspondence Theory of Cross-Cultural Adjustment to the Adjustment of White Families Who Have Adopted Older Children From Korea.

Major Adviser: Prof. W. S. Howell.

1978. Jean Angela McDonald. L.R.A.M.'54, Rose Bruford College; M.A.'69, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Rhetorical Movements Based on Metaphor with a Case Study of Christian Science and its Rhetorical Vision, 1898-1910.

Major Adviser: Prof. E. G. Bormann.

1978. Steven Eugene Mudd. B.A.'72, Macalester College; M.A.'74, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Conciliation and Confrontation in Protest Rhetoric: Modern Feminism--A Case Study.

Major Adviser: Prof. R. L. Scott.

Speech-Communication

1978. Richard Lee Wiseman. B.A.'72, Wichita State University; M.S.'75, University of Oregon.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Communication as the Vehicle of Socialization: An Investigation of a Foster Group Home Program.
Major Adviser: Prof. R. A. Geizer.

1978. Alan Richard Zimmerman. B.A. magna cum laude '70, Wisconsin State University, Eau Claire; M.A.'72, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Effects and Effectiveness of a Communication-Oriented Workshop in Marital Conflict Resolution.
Major Adviser: Prof. E. C. Bormann.

1979. Gretchen Lynda Schoen Barbatsis. B.A.'72, M.A.'75, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Interpersonal Communication Behavior in Commercial Television Programming.
Major Adviser: Prof. D. R. Browne.

1979. Jeter Louis Campbell, III. B.A.'69, McNeese State College; J.D.'70, M.A.'72, Louisiana State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Justices Douglas and Black and the Democratic Ethos: Rhetorical Criticism of Concurring and Dissenting Opinions on Obscenity.
Major Adviser: Prof. E. C. Bormann.

1979. Peter Charles Ehrenhaus. B.A.'73, University of Wisconsin; M.A.'75, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Attributing Communicative Intent from the Actor and Observer Perspectives: A Test of the Access to Information Hypothesis.
Major Adviser: Prof. D. L. Rarick.

1979. Kim Andrew Elliott. B.A.'74, George Washington University; M.A.'77, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: An Alternative Programming Strategy for International Radio Broadcasting.
Major Adviser: Prof. D. R. Browne.

1979. Robert Donald Hariman. B.A. with distinction '73, Macalester College; M.A.'75, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Public Temper of Gravity's Rainbow.
Major Adviser: Prof. R. L. Scott.

1979. Teruyuki Kume. B.A.'66, Kobe City University of Foreign Studies; M.A.'75, University of Hawaii.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Exploratory Study of Japanese Approaches to Decision-Making in the United States.
Major Advisers: Profs. W. S. Howell and R. M. Paige.

1979. Hiroko Kojima Nishida. B.A.'71, Nihon University; M.A.'78, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Variations in Value Orientations and Cultural Change in Japan and the U.S.A.: An Intercultural Perspective.
Major Advisers: Profs. D. R. Browne and J. V. Jensen.

1979. Tsukasa Nishida. B.A.'71, Nihon University; M.A.'75, University of Illinois at Chicago Circle.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Comparing Japanese-American Person-to-Person Communication: A Third Culture Approach.
Major Adviser: Prof. W. S. Howell.

Speech-Communication

1979. Sally Jo Power-Ross. B.A.'69, University of South Florida; M.A.'71, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: External and Internal Processes in the Acquisition of Information and Decision-Making by Portfolio Managers.
Major Adviser: Prof. W. S. Howell.

1979. Jerie Marie McArthur Pratt. B.A.'66, Macalester College; M.A.'69, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: A Case Study Analysis of Male-Female Leadership Emergence in Small Groups.
Major Adviser: Prof. E. G. Bormann.

1979. Beclée Newcomer Wilson. B.S.'63, Northwestern University; A.M.'66, University of Michigan.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Role of Symbols in Forming the Public Policy of the War on Poverty.
Major Adviser: Prof. R. L. Scott.

1980. Margarita G. Gangotena. B.A.'72, M.A.'75, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Rhetorical Visions of Medicine Compared and Contrasted Curanderismo and Allopathy.
Major Adviser: Prof. E. G. Bormann.

1980. Suzanne Dawn Johnson Hagen. B.A. summa cum laude '70, Macalester College; M.A.'72, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Novice Interviewers' Message Structure and Interview Method.
Major Adviser: Prof. D. L. Rarick.

1980. Zehra Fatma Avsar Keye. B.A. cum laude '70, St. Olaf College.
Major: Speech-Communication. Minor: Supporting Program. Thesis: An Exploratory Study of Students' Written Responses to Foreign Teaching Assistant Presentations.
Major Advisers: Profs. W. S. Howell and R. M. Paige.

1980. Jolene Mary Koester. B.A. magna cum laude '71, University of Minnesota; M.A.'72, University of Wisconsin.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Rhetorical Visions of Female Managers in Popular Self-Help Books.
Major Adviser: Prof. E. G. Bormann.

1980. Charles Joseph O'Fahey. B.S.'44, University of Dayton; M.A.'73, University of Minnesota.
Major: Speech-Communication. Minor: History. Thesis: Gibbons, Ireland, Keane: The Evolution of a Liberal Catholic Rhetoric in America.
Major Adviser: Prof. E. G. Bormann.

1980. Jessie L. Rousselow. B.A. summa cum laude '62, Northwestern College; M.A.'65, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: A Rhetorical Analysis of the Movement Towards an Alternative Theatre in the United States 1947-1969.
Major Adviser: Prof. J. V. Jensen.

1980. Vapordeal Sanders. B.A.'76, M.A.'77, University of Northern Iowa.
Major: Speech-Communication. Minor: Supporting Program. Thesis: An Experimental Investigation on the Use of Videotape for Studying Nonverbal Behavior in Social Settings.
Major Adviser: Prof. W. S. Howell.

1980. Krich Suebsonthi. B.A.'69, M.Pol.Sc.'73, Chulalongkorn University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Influences of Buddhism and Islam on Family Planning in Thailand: Communication Implication.
Major Adviser: Prof. W. S. Howell.

Speech-Communication

1980. Delbert H. Tarr, Jr. B.A.'60, North Central Bible Institute; M.A.'69, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Indirection and Ambiguity as a Mode of Communication in West Africa: A Descriptive Study.
Major Adviser: Prof. W. S. Howell.
1981. David Landreth Dotlich. A.B. with high honors '73, University of Illinois; M.A.'77, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Worlds Apart: Perception of Opposite Sex Managers in Three Modern Organizations.
Major Adviser: Prof. E. G. Bormann.
1981. Jan Wallace Kelly. B.A.'71, Pennsylvania State University; M.A.'76, San Francisco State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Rhetoric of Accounts: A Qualitative, Critical Description and Analysis.
Major Adviser: Prof. E. G. Bormann.
1981. Becky Jean Swanson Kroll. B.A.'75, M.A.'78, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Rhetoric and Organizing: The Twin Cities Women's Movement 1969-76.
Major Adviser: Prof. E. G. Bormann.
1981. James C. Lange. B.S.'70, Pennsylvania State University; M.A.'73, Pennsylvania State University.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Effect of National Development of News Values.
Major Adviser: Prof. D. R. Browne.
1981. Laurinda Wright Porter. B.S.'68, Northwestern University; M.A.'71, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Rhetorical Visions of America and Their Relation to Religious Beliefs in the Rhetoric of Selected 1980 Presidential Candidates.
Major Adviser: Prof. E. G. Bormann.
1981. James Edward Townsend. B.A.'77, M.A.'68, City University of New York.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The History of a Right of Access to Broadcasting.
Major Adviser: Prof. D. R. Browne.
1982. Brenda Haram Canedy. B.A.'54, Radcliffe College; M.S.'74, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: The Definition, Maintenance, and Spanning of Boundaries: Case Study of a Nursing Service Department.
Major Adviser: Prof. W. S. Howell.
1982. Marsha Vanderford Doyle. B.A. with highest honors '76, California Polytechnic State University; M.A.'78, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: In-House Rhetoric of Pro-Life and Pro-Choice Special Interest Groups in Minnesota: Motivation and Alienation.
Major Adviser: Prof. P. H. Cashman.
1982. John Antony Giordano. B.S.'65, Pratt Institute; M.A.'71, State University of New York; M.A.'77, University of Minnesota.
Major: Speech-Communication. Minor: Supporting Program. Thesis: Transparency, Ambiguity, and Opacity as a Conceptual Framework for Studying Intercultural Communication.
Major Adviser: Prof. W. S. Howell.

Speech-Communication

1982. Mitchell Roy Hammer. B.A.'73, St. Norbert College; M.A.'74, Ohio University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: The Effects of an Intercultural Communication Workshop on American Participant's Intercultural Communication Competence.

Major Adviser: Prof. W. S. Howell.

1982. William Lawrence Haynes. B.A.'69, Tulane University; M.A.'78, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: An Extended Criticism of Contemporary Television Commercials as Prologue to a Rhetoric of Television.

Major Adviser: Prof. R. L. Scott.

1982. William Franklin Lewis. B.A. with distinction '72, Macalester College; M.A.'76, University of Minnesota.

Major: Speech-Communication. Minor: Philosophy. Thesis: Image and Interpretation: A Rhetorical View of Televised Professional Football.

Major Adviser: Prof. R. L. Scott.

1982. Mary Jane Madden. B.S.'60, College of St. Catherine; M.S.'68, Western Reserve University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: The Symbolic World of Obesity: A Study of the Rhetorical Vision of Obese Women.

Major Adviser: Prof. E. G. Bormann.

1982. Patricia Jane Palm. B.S.'62, St. Cloud State University; M.S.'63, Southern Illinois University; Specialist '74, Mankato State University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: A Case Study of a Statewide Attempt to Register and Certify Minnesota State High School League Speech Contest Judges.

Major Adviser: Prof. W. S. Howell.

1983. Deborah Carol Baker. B.A.'73, M.A.'76, Pennsylvania State University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: A Rhetorical Analysis of Communication Style in Initial Meetings of Small Groups.

Major Adviser: Prof. E. G. Bormann.

1983. Dolores Ann Dege. B.S.Ed.'59, Western Illinois University; M.A.'77, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Verbal and Nonverbal Communication Behaviors in Multicultural Groups: An Exploratory Analysis.

Major Adviser: Prof. W. S. Howell.

1983. Judith Kay Litterst. B.A.'69, Central Michigan University; M.A.'71, Bradley University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: The Impact of Fatigue on Communication: A Study of the Dual-Career Lifestyle.

Major Adviser: Prof. P. H. Cashman.

1983. Robert Stephen Littlefield. B.S. cum laude '74, Moorhead State University; M.A.'79, North Dakota State University.

Major: Speech-Communication. Minor: Political Science. Thesis: An Analysis of the Persuasion and Coercion Used by the Carter Administration to Promote Human Rights in Argentina, Brazil and Chile.

Major Adviser: Prof. W. S. Howell.

1983. Douglas D. McFarland. B.A. magna cum laude '68, Macalester College; J.D.'71, New York University.

Major: Speech-Communication. Minor: Education. Thesis: Self-Images of Law Professors: Rethinking Legal Education.

Major Adviser: Prof. D. L. Rarick.

Speech-Communication

1983. Maryan Lois Schall. B.A. magna cum laude '51, M.Agr.'75, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: A Focused Communication Rules Approach to Articulating Organization-Cultures: Descriptions and Comparisons.

Major Adviser: Prof. D. L. Rarick.

1984. Dan Roland Erwin. B.A.'59, Murray State University; M.A.'70, University of Colorado, Boulder.

Major: Speech-Communication. Minor: Supporting Program. Thesis: A Study in the Preaching of John Claypool: The Rhetorical Function of Narrative.

Major Adviser: Prof. R. L. Scott.

1984. Patricia Ruby Palmerton. B.A.'72, Macalester College; M.A.'79, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Terrorism and the Media: A Rhetorical Critical Analysis of the "Crisis in Iran."

Major Adviser: Prof. R. L. Scott.

1985. Janet Marie Bennett. B.A. cum laude '72, California State University, San Francisco; M.A. '76, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Intercultural Communication Training in Cultural Self-Awareness for Study Abroad.

Major Adviser: Prof. W. S. Howell.

1985. JoJean Ewart. B.S. with honors '73, University of South Dakota; M.A. '80, Purdue University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: The Dynamics of the Organizational "Engineering" of a Newcomer to Crew Member: A Descriptive Analysis of the Socialization Process in Local Television News Stations.

Major Advisers: Profs. C. R. Bantz and G. L. Shapiro.

1985. Bassey Asuquo Eyo. B.S. '78, M.A. '80, University of Wisconsin, Stevens Point.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Quality Circles, Involvement Teams, and Participative Management in Modern Business Culture: A Study of the Rhetorical Visions of Line-Unit Managers, Employees, and Facilitators.

Major Adviser: Prof. E. G. Bormann.

1985. Ding-ren Rosa Tsao. B.A. '74, National Taiwan University; M.A. '78, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: The Persuasion of Kuei Ku Tzu.

Major Advisers: Profs. R. B. Mather and R. L. Scott.

1986. Asako Uehara. B.A.Econ. '65, Doshisha University; M.A. '80, University of Minnesota.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Comparison of Reentry Adjustment Between Japanese and American Students.

Major Adviser: Prof. E. G. Bormann.

1986. Suzanne Mary Walfoort. B.S. summa cum laude '73, University of Wisconsin; M.A. '74, Ohio State University.

Major: Speech-Communication. Minor: Supporting Program. Thesis: Status and Sex Links of Communication Control in the Corporate Chain of Command.

Major Adviser: Prof. G. L. Shapiro.

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