



UNIVERSITY OF MINNESOTA

March Commencement, 1967

SATURDAY EVENING, MARCH 18, 7:30 P.M.

NORTHROP MEMORIAL AUDITORIUM

The Board of Regents

The Honorable Charles W. Mayo, M.D., Rochester
First Vice President and Chairman

The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior
Second Vice President

The Honorable Elmer L. Andersen, St. Paul

The Honorable Daniel C. Gainey, Owatonna

The Honorable Albert V. Hartl, Fergus Falls

The Honorable Herbert L. Huffington, M.D., Waterville

The Honorable Fred J. Hughes, St. Cloud

The Honorable Lester A. Malkerson, Minneapolis

The Honorable William K. Montague, Duluth

The Honorable George W. Rauenhorst, Olivia

The Honorable Otto A. Silha, Edina

The Honorable Herman F. Skyberg, Fisher

Dr. O. Meredith Wilson, President

Dr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

SMOKING AND USE OF CAMERAS AND RECORDERS—It is requested, by action of the Board of Regents, that in Northrop Memorial Auditorium smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms. The use of cameras or tape recorders in the auditorium by members of the audience is prohibited.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and sixteenth birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the young people of today to become the leaders of tomorrow. Each year our graduates leave our campuses to add new skills and knowledge to the existing resources of our state. They have been trained here as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, farmers, businessmen—to name only some of the careers for which preparation is offered. Since its founding, the University has awarded more than 193,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to nearly 44,000 students annually on its Minneapolis–St. Paul, Duluth, Morris, Crookston, and Rochester campuses, the University offers, through its Schools of Agriculture and its General Extension Division, specialized training designed to assist those who wish to study on a part-time basis. It offers further educational opportunity throughout the state by providing county agents, home agents, 4-H club agents, and recreation and health consultants who give effective instruction to residents of the state in their own homes.

In the diversified research laboratories on the University's six campuses, at the several agricultural experiment stations scattered throughout the state, at the Rosemount Research Center, the Cloquet Forest Research Center, the Cedar Creek Natural History Area near Bethel, the Fruit Breeding Farm and the Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, the Hormel Institute at Austin, and at University Hospitals, University scientists are working on countless research experiments of vital importance to the future health and welfare of us all. These projects, of which only a few are mentioned here, are concerned with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and development of new varieties of grains, fruits, and flowers.

THE UNIVERSITY is acknowledged to be the cultural hub of the Northwest. It is the home of the University Artists Course, Radio Station KUOM, the University of Minnesota Television Hour, the University Theatre, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings renowned artists and lecturers to more than a million and a half persons living in the area it serves.

The people of Minnesota are proud of their University, not only because it is one of the leading state universities in the nation, but also because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in the University is a dynamic thing and expresses itself in many ways. Contributions from them have made it possible for the Variety Club Heart Hospital and the great Mayo Memorial Building to be constructed. Through the American Legion and its auxiliary posts all

over the state, thousands of friends have made generous donations to provide an endowed research professorship in heart disease. Generous contributions have built the Masonic Memorial Hospital, the Veterans of Foreign Wars Cancer Research Center, and Diehl Hall (which houses the biological-medical library and additional medical research facilities).

Equally generous have been the contributions made by corporations, associations, foundations, trade unions, clubs, and individuals, whose tireless efforts have made hundreds of scholarships and fellowships available to promising students each year. Chiefly because of financial difficulties, only one-half of the state's high school graduates of marked ability enter any college or university. Friends and supporters of the University, recognizing the need to alleviate this situation, continuously try to increase the number of scholarships and the amount of money available for scholarship assistance.

As it meets the needs of present students, the University must also make plans for those of the future. The 43,997 students who enrolled at the University at the beginning of the 1966-1967 academic year represented nearly one-half of Minnesota's college-level enrollments. They underline the fact that there are limits to the University's physical capacity. Future enrollments must be adjusted to those limits. In the fall of 1965, for the first time in its history, the University instituted an admissions policy based on controlled growth of total enrollment. This change in admissions requirements held the 1966-1967 enrollment to about 44,000 students. It reflects the University's need for more teachers, more land, and more buildings. And it makes plain the University's determination to maintain the educational quality that has made it one of America's leading educational institutions.

THE 1965 LEGISLATURE granted the University \$81,300,000 for general operations and maintenance during the 1965-1967 biennium. In addition, the University received \$9,083,223 for University Hospitals; \$6,833,887 for special appropriations, including special extension and research activities; \$15,820,656 for new buildings, land, and the rehabilitation of existing buildings; and \$1,240,000 for the University of Minnesota, Morris.

Each year the University publishes and widely circulates a summary financial statement, which is available to anyone upon request, as is a much more comprehensive and complete statement for those who wish to make a special study of the University's income and expenditures.

The summary financial statement of 1965-1966 showed that the University's current income and expenditures amounted to \$150,738,945.58. Of the total received, \$15,647,291.27 came from student tuition and fees; \$20,023,300.63 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theatre receipts and the sale of bulletins and agricultural products; \$1,673,200.41 from intercollegiate athletics; \$21,659,432.05 from such services as the dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, and the Health Service; and \$7,937,650.10 from corporations, foundations, individuals, and endowment income for instruction, research, prizes, scholarships, and the care of the sick. Also \$34,462,190.42 came from the federal government for instruction, research, and agricultural extension. The state provided \$49,335,880.70 or 32.7 per cent for the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$13,814,966.

Commencement marks only the conclusion of the individual's academic life at the University. As a graduate, he contributes to its history and participates in its aspirations. Alumni are urged to continue their affiliation with the University through the Minnesota Alumni Association and its college groups. Also, support is urged for the University of Minnesota Alumni Fund, administered in the Alumni Office in Coffman Memorial Union, and the various Special Project Programs, including scholarships, medical and technological research, and college service funds, which are administered by the Department of University Relations, Morrill Hall.

Alumni, their families, and their friends are always welcome here. The University hopes they will return frequently to visit the campus and to renew cherished ties.

Order of Events

ASSEMBLING OF THE AUDIENCE: As degree candidates and their friends and families reach the Minneapolis Campus of the University this evening from 6:45 to 7:15 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mrs. James Whipkey, Graduate Student, University Carillonneur. Admission to the March Commencement exercises is by guest card only. Guests will be seated as they arrive and will remain seated until the colors are presented.

THE COMMENCEMENT ON TELEVISION: The University is pleased to announce that the entire Commencement this evening is being telecast, live, over the Minnesota Educational Television Network. This is the first time that a Commencement has been televised state-wide, and the University is grateful to KTCA-TV, Channel 2, for making it possible. The program can be seen over WDSE-TV, Channel 8, in the Duluth area; over KWCM-TV, Channel 10, in Morris and West Central Minnesota; and over KTCA-TV, Channel 2, throughout the Twin Cities. Later this Spring, when microwave relay interconnections to Fargo-Moorhead are completed, the Crookston area will also be able to receive educational television broadcasts originating in the Twin Cities.

PRELUDE CONCERT: From 7:00 to 7:30 p.m. the University Concert Band Ensemble, conducted by Associate Professor of Music and Bandmaster Frank P. A. Benciscutto, A.Mus.D., will play:

- The Thunderer* - - - - - John Philip Sousa
- Sound of Music Selections* - - - - - Richard Rodgers
- Cuban Overture* - - - - - George Gershwin
- Allegro Tempestuoso* - - - - - Peter Mennin

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 7:30 p.m., Professor John W. Clark, Ph.D., College of Liberal Arts, Faculty Marshal, will carry the Mace onto the stage, heralding the arrival of the academic procession of candidates for degrees. Marshal Clark, as Mace-bearer, will present the Mace at the center of the stage. When all of those marching have taken their seats, he will put the Mace in its cradle to signal the beginning of the ceremony. During the procession, the Concert Band Ensemble will play:

- March Processional* - - - - - Clare Grundman

ON THE STAGE: The curtain will be opened when the Mace-bearer enters. Seated in the first row, from left to right, are Marshal Clark; Professor Wayland E. Noland, Ph.D., Institute of Technology, Marshal; Mr. Carlyle E. Anderson, Chairman of the Board of Trustees of the University of Minnesota Foundation; The Honorable Charles W. Mayo, Regent of the University of Minnesota; Regents' Professor of Mechanical Engineering Ernst R. G. Eckert, Dr. Ing. habil, Institute of Technology; Regents' Professor of Surgery Owen H. Wangensteen, Ph.D., College of Medical Sciences; Associate Vice President Donald K. Smith, Ph.D., Academic Administration; Vice President Laurence R. Lunden, LL.D., Business Administration; Regents' Professor of English Allen Tate, Litt.D., College of Liberal Arts, Commencement Speaker; President O. Meredith Wilson, Ph.D., University of Minnesota; Mr. Waldo E. Hardell, B.S., President of the Minnesota Alumni Association; Vice President Stanley J. Wenberg, M.A., Educational Relationships and Development; Professor Roy A. Schuessler, M.M., College of Liberal Arts; Regents' Professor of Anthropology E. Adamson Hoebel, Ph.D., College of Liberal Arts; Regents' Professor of Physics Alfred O. C. Nier, Ph.D., Institute of Technology; The Honorable George W. Rauenhorst, Regent of the University of Minnesota; Mr. Arnulf Ueland, President of the University of Minnesota Foundation; Rabbi Louis Milgrom, B.S., Director of the B'nai B'rith Hillel Foundation on the Minneapolis Campus; Professor Clarence L. Cole, Ph.D., Institute of Agriculture, Forestry, and Home Economics of the Institute of Agriculture, Marshal; Professor Nelson T. Spratt, Ph.D., College of Biological Sciences, Marshal.

Seated in the second row, from left to right, are: Recorder W. Donald Beatty, Ph.D., Admissions and Records; Acting Dean Alfred L. Vaughan, Ph.D., General College; Professor John A. Goodding, Ph.D., University College; Associate Dean H. Mead Cavert, Ph.D., College of Medical Sciences; Professor Frank H. Kaufert, Ph.D., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Commander Edward O. Dietrich, U.S.N., Associate Professor of Naval Science; Dean Richard S. Caldecott, Ph.D., College of Biological Sciences; Dean Lawrence C. Weaver, Ph.D., College of Pharmacy; Associate Dean Stanley B. Kegler, Ph.D., College of Education; Colonel William D. Beard, U.S.A., Professor of Military Science; Dean E. W. Ziebarth, Ph.D., College of Liberal Arts; Professor David P. Bryden, LL.B., Law School; Professor Warren S. Loud, Ph.D., Graduate School; Major John C. Gill, U.S.A.F., Assistant Professor of Aerospace Studies; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology.

Seated in the subsequent rows are faculty representatives.

The audience will observe that Regents' Professors, wearing the silver medalion awarded in recognition of academic distinction, are seated in the first row, as one of the privileges of this eminent title.

PRESENTATION OF COLORS: As the color guard, made up of University Army, Navy, and Air Force ROTC Cadets and Midshipmen, enters the Auditorium, the audience will rise and will remain standing for the National Anthem and for the Invocation. The Concert Band Ensemble will play:

Inaugural Fanfare - - - - - Frank Bencriscutto

THE NATIONAL ANTHEM: The entire audience and Professor Schuessler, soloist.

O, say! can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
O, say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

INVOCATION: Rabbi Milgrom.

SPEAKING FOR THE UNIVERSITY: President Wilson.

COMMENCEMENT ADDRESS: Regents' Professor Tate.

CONFERRING OF ROTC CERTIFICATES: Dr. Smith will introduce Colonel Beard, Commander Dietrich, and Major Gill, who will present the candidates for commissions in their respective services. Certificates of ROTC completion will be presented by President Wilson.

PRESENTATION OF CANDIDATES: Dr. Smith will introduce the deans of the several colleges or their representatives who will present to President Wilson the candidates for certificates and degrees. They are, in order of their introduction: Acting Dean Vaughan for the General College; Dean Ziebarth for the College of Liberal Arts; Professor Goodding for the University College; Acting Dean Verbrugge for the Institute of Technology; Professor Kaufert for the Institute of Agriculture; Associate Dean Kegler for the College of Education; Dean Grambsch for the School of Business Administration; Professor Bryden for the Law School; Associate Dean Cavert for the College of Medical Sciences; Professor Loud for the Graduate School.

CONFERRING OF DEGREES: President Wilson will confer certificates and degrees upon the members of this graduating class.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Mr. Hardell.

PRESENTATION OF DIPLOMAS: With Vice President Wenberg presiding, members of the March graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: President Wilson will confer the degrees upon the candidates. As each new

Doctor of Philosophy is invested with his academic hood, he will be presented individually by Professor Loud.

PRESENTATION OF REGENTS' PROFESSORSHIPS: At today's Commencement Exercises, the University of Minnesota will bestow its highest faculty recognition, the title of Regents' Professor, upon five University Professors. They were selected for their academic distinction on the basis of the scope and quality of their scholarly or artistic contributions, the quality of their teaching, and their contributions to the public good. They will each receive a certificate of merit and a silver medallion imprinted with the Regents' Seal and the phrase "In Recognition of Academic Distinction." The medallion is attached to a maroon and gold ribbon and can be worn with academic costume.

In addition, the University of Minnesota Foundation presents as an annual gift the sum of \$5,000.00 to each one of those designated a Regents' Professor.

Assisting President Wilson in the investiture will be Regent Mayo, Regent Rauenhorst, Mr. Anderson, and Mr. Ueland.

The names of these new Regents' Professors will be announced at this Commencement when the presentations are made. Single sheets distributed with the Commencement programs will give details.

HAIL! MINNESOTA: The University's Alma Mater song, sung by the audience and Professor Schuessler, soloist.

Minnesota, hail to thee!	Like the stream that bends to sea,
Hail to thee, our college dear!	Like the pine that seeks the blue,
Thy light shall ever be	Minnesota, still for thee
A beacon bright and clear;	Thy sons are strong and true;
Thy sons and daughters true	From thy woods and waters fair,
Will proclaim thee near and far;	From thy prairies waving far,
They will guard thy fame	At thy call they throng
And adore thy name;	With their shout and song,
Thou shalt be their Northern Star.	Hailing thee their Northern Star.

RECESSIONAL: The Concert Band Ensemble will play:

Festive Overture - - - - - Dimitri Shostakovich

THE AUDIENCE is requested to remain seated until those in academic costume have left the Auditorium.

(Immediately following these exercises, all members of the audience are invited to attend the President's Reception which is described on the back cover of this program.)

Candidates for Commissions

Subject to the completion of all curriculum requirements at the close of the winter quarter, commissions will be presented to those listed below and to such others as may meet the requirements for the Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Adjutant General Corps

David Gordon Olson, Minneapolis

Second Lieutenant, Artillery

David Gilmore Nelson, Madison, Wis. Martin Karl Nelson, Madison, Wis.

Second Lieutenant, Corps of Engineers

Thomas John Eggum, St. Paul

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Lance C. Grunge, Averill Park, N.Y. Michael F. Vitek, South Milwaukee,
Wis.

Ensign, SC, USN

David F. Stankeivicz, Forest Lake

DEPARTMENT OF AEROSPACE STUDIES

Second Lieutenant, USAF Reserve

Richard E. Loeffler, Minneapolis
Gerry M. Miller, Minneapolis
Thomas L. Mockel, Minneapolis
Karl B. Raitz, Minneapolis

Arthur W. Ritter, St. Paul
Russell F. Roller, White Bear Lake
James P. Wohlwend, Minneapolis

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of the winter quarter, degrees will be conferred as indicated on those listed below and upon such others as may meet the graduation requirements.

GENERAL EXTENSION DIVISION

Business Administration Certificate

Richard Arthur Christianson, Minneapolis

Engineering Science Certificate

William Floyd Bittner, Minneapolis

Mechanical Engineering Technician Certificate

Roman Volodymyr Dorosz, Minneapolis

GENERAL COLLEGE

Associate in Arts

Anthony Millet Alfano, Richfield
Elton Wincliff Anderson, Minneapolis
Kim Arthur Anderson, Fairmont
William Donald Andrick, St. Paul
Julia Asher, St. Paul
Alan Arthur Axell, Minneapolis
Gary Alan Baglien, Richfield
Mary Lynn Barrick, Hutchinson
Richard Arthur Battles, Minneapolis
Thomas Sherman Berg, Minneapolis
Lee John Berger, Bayport
Vicki Lynne Blumberg, Minneapolis
Ronald Reuben Borg, Minneapolis
Sanford Norman Borken, Minneapolis
Richard Roy Boulet, Minneapolis
Alan Benson Brevitz, Minneapolis
James Lee Brown, Bloomington

Claudia Diane Bruneau, Minneapolis
Edna Louise Brunner, Gibbon
Dennis Clifford Buland, Minneapolis
Jeanette Ann Burket, St. Paul
James Edward Butwinick, St. Paul
Eileen Mary Carlson, Minneapolis
Robert Craig Coleman, Minneapolis
Jeffrey James Connell, Minneapolis
Steven Richard Dahlgren, St. Paul
June Evelyn Dahlquist, St. Paul
John William Dalton, Minneapolis
Thomas Louis Dancik, Minneapolis
James Jay Davis, St. Paul
Denise Annette Dooley, Minneapolis
Dennis Gene Drinkwine, Minneapolis
Daniel Eugene DuRose, St. Paul
Terri Deane Eastman, Minneapolis

Harold Kirk Ekblad, St. Paul
 William Herbert Ekstrom, St. Paul
 Douglas Lloyd Erickson, Minneapolis
 Stephen Peter Exley, St. Paul
 Timothy Gay Fahlin, Richfield
 Gerald John V. Fisher, Minneapolis
 James Bruce Fleisher, Minneapolis
 Steven Michael Flikke, St. Louis Park
 William Oliver Foelker, Jr., Minneapolis
 Leo William Froemming, Alexandria
 Gerald H. Fuzzey, Edina
 Daro William Gamache, Minneapolis
 Joan Christine Gardner, St. Paul
 Allan Leslie Gens, Hopkins
 Gary Stephen Getty, St. Paul
 Bruce Laton Gilbert, Minneapolis
 Jerome Roger Granger, Minneapolis
 Jay Dee Graziani, Minnetonka
 James Ronald Greenberg, Minneapolis
 Michael George Grimshaw, Minneapolis
 William John Groschen, Jr., Minneapolis
 Willard Benjamin Hafdahl, Roseau
 Roger Leslie Halverson, Deerwood
 Victoria L. Hanold, St. Paul
 Robert Gordon Hansen, Minneapolis
 Barbara Jo Hansing, Minneapolis
 James Lang Hanson, St. Paul
 John Fredrick Hartig, Minnetonka
 Lenas Joseph Hedlund, Minneapolis
 James Gary Herrmann, Edina
 Jane Hindin, Milwaukee, Wis.
 Jeanne Cummings Holmberg, Minneapolis
 John Semrud Holmes, Minneapolis
 George Delphis Horner, Minneapolis
 William Joseph Hoyt, South St. Paul
 Robert Frank Huberty, St. Paul
 Michael George Hurley, Minneapolis
 Richard Boyd Jacobson, Minneapolis
 James Ronald Jansen, Minneapolis
 Ernest Dickman Johnson, Minnetonka
 Kendahl Lynn Johnson, Richfield
 Kim Ralph Johnson, Minneapolis
 Richard Thomas Johnson, St. Paul
 George Karkoc, Minneapolis
 Michael George Kassan, Jr., South St. Paul
 Gary Lee Kaufenberg, St. Paul
 Una Jane Keeley, St. Louis Park
 Mary Ann Klinkhamer, St. Paul
 Carol Katherine Kohner, Minneapolis
 Robert John Kolb, Minneapolis
 Douglas D. Kopp, White Bear Lake
 Edward Walter Kristyniak, Jr., New Brighton
 Dwight Douglas Lee, Minneapolis
 Lynn Dianne Leiter, Edina
 David Paul Lindgren, Brooklyn Center
 Douglas Liljegren Lott, Minneapolis
 Philip Francis Mathern, Hopkins
 William Charles McFarlane, Minneapolis
 Patricia Ann McGee, St. Paul
 Warren Donald McLaughlin, Big Lake
 Jeffrey Owen Melander, St. Paul
 Glenn Edwin Melling, Robbinsdale
 Terry Robert Meyer, Columbia Heights
 Russell James Miller, Minneapolis
 Wayne Douglas Mitsch, Minneapolis
 George Michael Mithshulis, Minneapolis
 Gerald Alan Morey, Minneapolis
 Colleen Evelyn Morgan, Lake Elmo
 Walter Moroz, Minneapolis
 Thomas Charles Munger, Minneapolis
 Gary Roland Nees, Robbinsdale
 Mary Louise Nelson, Minneapolis
 Roger Carl Ness, Anoka
 Dennis Robert Nielsen, Minneapolis
 Stanley Arnold Niskanen, Sebeka
 Ronald Joseph Norstrem, St. Paul
 Eugene Raymond Nouska, Bloomington
 Dennis Barry O'Hagan, Minneapolis
 Karen Fay Olson, Minneapolis
 Richard Lynn Olson, Coon Rapids
 Patrick Thomas O'Mara, Minneapolis
 Glenn Carl Otte, Lexington
 James Richard Oxberry, Columbia Heights
 Richard Roy Ratcliff, Richfield
 Ronald James Reagan, St. Paul
 Michael William Richards, Minneapolis
 Robert Edward Robertson, Minneapolis
 Joanne Audrey Rockstroh, St. Paul

Manlie William Rogers, Jr., Golden Valley
 Michael Francis Rowan, St. Paul
 Barbara Ann Sallberg, Minneapolis
 William Lener Samuelson, Minneapolis
 John Arthur Sandeen, Chisago City
 Paul David Sayther, Mound
 Gary Carl Schultz, Rochester
 Dennis Dean Schumacher, Minneapolis
 Kenneth Bruce Severson, Minneapolis
 John Martin Sheehan, Minneapolis
 Randell Burton Shrider, Chicago, Ill.
 Kurt Leroy Smith, St. Paul
 Philip Terry Solberg, Hopkins
 Gerald Leo Spandel, Wayzata
 Robert Henry Stahl, St. Paul
 Paul Halvard Strand, Bloomington
 Stanley Leon Streiff, West Concord
 Theresa May St. Sauver, St. Paul

Jane Marie Thom, Minneapolis
 John Robert Thompson, Minneapolis
 Richard Donald Tjosvold, Minneapolis
 James Werner Toensing, Edina
 Daniel Joseph Vannelli, Jr., St. Paul
 Suzanne Marie Villaume, St. Paul
 Robert James Voeller, Minneapolis
 David Alan Vujovich, South St. Paul
 Theresa Rose Waddick, Hill City
 John Arthur Watts, Rock Island, Ill.
 John Joseph Welch, Minneapolis
 Brian Wayne Wilhelm, Minneapolis
 Gerald Warren Williams, Minneapolis
 Paul Thomas Williams, Minneapolis
 Robert Richard Williams, St. Paul
 Emmett Francis Winter, Edina
 Wayne Douglas Wormsbecker, Minneapolis
 Robert Bruce Yanke, Minneapolis
 Daniel Oliver Ystesund, Minneapolis
 Gregory John Zurek, Minneapolis

COLLEGE OF LIBERAL ARTS

Associate in Liberal Arts

Joan Annette Buchanan, Mound
 Douglas Dean Dokken, Bloomington
 Linda Rae Hartman, Minneapolis
 Donald Carlyle Hill, Jr., West St. Paul
 Ardell Louise Jacobson, Minneapolis

Paul Thomas Oberg, Richfield
 Dianne Kathryn Arens Oglesby, Mankato
 Kenneth Michael Ryan, Hopkins

Bachelor of Arts

Honors citations are provisional and will not become final until all requirements are met for the level indicated.

Jerry Robert Albert, Minneapolis
 Gail Nell Anderson, Pine City
 Kay Diane Anderson, St. Louis Park
 Richard Donald Anderson, St. Paul
 Ronald Warren Anderson, Minneapolis
 Thomas Greg Anderson, St. Louis Park
 Brian Evan Arneson, North St. Paul
 Margaret Maus Asch, Water Mill, N.Y.
 Anthony Earl Barrett, St. Paul

Allen William Beck, St. Paul
 Jules Karroll Beck, Minneapolis
 Curtis John Beckmann, Wells
 Suzanne MacKenzie Field Bellezza, Minneapolis
 Neil Mauritz Beltt, Cloquet
 Clarence Allen Berg, Duluth
 Charles Everett Bergstrom, St. Paul
 Marvin Lloyd Bernstrom, Richfield
 Terrance Joseph Bieker, Minneapolis
 Hollis Edwin Bishop, St. Paul
 Wendell John Bjorklund, Henning

Warner Paul Blake, Jr., Minneapolis
 Robert John Bowman, Minneapolis
 James Joseph Brazil, Richfield
 Mary Carol Breiby, Madison, Wis.
 Richard Mark Brown, Hopkins
 Sharon Gail Brueckner, Minneapolis
 James Timothy Burns, Robbinsdale
 John Weldon Busher, A.L.A., St. Paul
 William C. Bushnell, Wayzata
 Nancy Ann Campbell, Minneapolis
 Dennis Gerald Chuba, Minneapolis
 Kathleen Anne Connolly, Minneapolis
 Ronald Larry Corran, St. Paul
 Alfredo Costa, Rome, Italy
 William Douglas Coyne, Hopkins
 Robert Ralph Croft, Sleepy Eye
 William John Cronin, Minneapolis
 Gary Patrick Cummings, St. Paul
 Carol Jean Davich, A.A., Hibbing
 Dorothy Mabel Davis, A.L.A., West
 St. Paul
 Jay Wallace Dean, Austin
 Stephen Courtney Deeren, Winona
 Richard Duque D'Estrada, Minne-
 apolis
 Charles Earl Duede, Minneapolis
 Selma Darlene Eakin, Pierre, S.D.
 Evelyn Jean Swanson Elster, Golden
 Valley
 Nelson Egeonu Enyinnaya, Nigeria
 Gary Douglas Erickson, Richfield
 Richard John Erickson, Ely
 Thomas Rigg Evans, Minneapolis
 Kathleen Garis Fahey, St. Paul,
 MAGNA CUM LAUDE; ZOOLOGY
 Sharon Frances Feally, Minneapolis
 Paul Robert Ferm, Golden Valley
 John Fredrick Fischer, St. Paul
 Robert Brian Fisher, St. Paul
 Bonnie Ann Frankman, Minneapolis
 Martha Cunningham Funderburgh,
 Austin, Tex.
 Berta Lynn Gahlon, Downers Grove,
 Ill.
 Michael Lawrence Galligan, Canton
 Barbara Elaine Simonson Gibson, St.
 Paul
 Barry Ernest Gisslen, Frontenac
 John James Gornick, Chisholm
 Charlene June Graf, St. Paul
 Alan Douglas Grahm, St. Paul
 Dominic Cosmo Greco, Minneapolis
 Lance Carter Grunge, Averill Park,
 N.Y.
 Rolf Edward Gryte, Cannon Falls
 Christine Kay Halverson, A.A., Soudan
 Nancy Creighton Hanchett, Middle-
 town, Ohio
 Jay Clayton Hatle, Long Prairie
 Phebe Saunders Haugen, Minneapolis
 Dennis Alan Hawkinson, St. Paul
 Brian Micheal Hayes, Minneapolis
 Marilyn Alice Hayes, Minneapolis
 Anne Elizabeth Heller, St. Louis Park
 Kathleen Mary Hickey, Minneapolis
 James Howard Holm, Minneapolis,
 SUMMA CUM LAUDE, JOURNALISM
 Kathleen Anne Holmay, St. Paul
 Mark Herbert Hougen, Minneapolis
 Richard Wayne Huffman, Edina
 John Michael Hughes, St. Paul
 Beverly Ann Hulburt, Anoka
 Delores Joanne Makela Jacobson,
 Osseo
 Janet Elizabeth Jacobson, Austin
 Constance Jeanne Coffey Jewett,
 Minneapolis
 Janice Lesetta Johnson, Owatonna
 Lloyd Hugo Thomas Johnson, A.L.A.,
 Minneapolis
 Penelope Sharon Johnson, A.A.,
 Rochester
 Theodore Demetrios Kakaliouras,
 Minneapolis
 Raleigh Ann Grossman Karatz, Min-
 neapolis
 Ellen Ann Karsh, Minneapolis, CUM
 LAUDE, HUMANITIES
 Harriet Rae Kessler, Grand Forks,
 N.D.
 Mary Margaret Knutson, St. Paul
 Elizabeth Diane Koenke, West St.
 Paul
 Marilyn Ann Kogen, St. Louis Park
 Gregory Hugh Lamb, Detroit Lakes
 Michael John Lambert, Golden Valley
 Judith Ann Levitt, St. Paul, SUMMA
 CUM LAUDE, RUSSIAN
 Elinor Simon Lichtman, Hopkins
 Wallace John Licke, Deer River
 Albin Mauritz Linder, Stillwater

Esphira Hannah Locketz, St. Louis Park
 Richard Elmer Loeffler, Minneapolis
 Kraig Allen Lofquist, Biwabik
 Alan Lester Lunemann, Rochester
 Shirley A. Mancuso, Hibbing
 Timothy David Marrinan, St. Paul
 Patrick James McCashin, Robbinsdale
 Richard Anderson McNiel, Dallas, Tex.
 Shirley Judith Milgrom, Minneapolis
 Gerry Martin Miller, Minneapolis
 James Charles Miller, Falcon Heights
 Thomas Lee Mockel, Marshall
 Kathryn Ann Moore, Minneapolis
 John Russell Morgan, Lake Elmo
 David William Morin, Minneapolis
 Kathleen Helen Mulally, St. Paul
 Michael Allen Murphy, St. Paul
 William Kent Murray, Elk River
 Carol Jeanne Myers, Secane, Pa.,
 SUMMA CUM LAUDE, PSYCHOLOGY
 Heidi Susanna Nasvik, West St. Paul
 Kenneth Charles Nelson, Winthrop
 John William Neumann, Minneapolis
 Gary Donald Nordquist, Richfield
 William Dennis Norquist, Minneapolis
 Nancy Victoria Noyes, New Ulm
 David Gordon Olson, Bloomington
 Karen Jeanette Ostenso, Montevideo
 Kenneth Lee Parsons, Minneapolis
 Reid Thomas Pasko, Minneapolis
 Virginia Anne Patnaude, Gonvick
 Virginia Wyatt Sneve Patch, Duluth
 Lois Ruth Paulson, Fergus Falls
 Joan Florence Peck, Deer River
 Jon Michael Penton, St. Paul
 Dennis Russell Peterson, Minneapolis
 John William Peterson, A.L.A., St. Paul
 Stephen Donald Peterson, St. Paul
 Artell Louise Pikka, Gilbert
 Charles Eldon Prine, Minneapolis
 Karl Bennett Raitz, Hector
 Cynthia Annette Reed, Minneapolis,
 CUM LAUDE, CHEMISTRY
 Gary Lynn Reynolds, Edina
 Beverly Marcia Richman, Minneapolis
 Nancy Louise Riehle, St. Paul

Susan Elizabeth Ring, Minneapolis
 Gordon Vincent Robinson, Minneapolis
 Thomas Francis Roers, A.L.A., Minneapolis
 Shelley Victoria Rogers, Minneapolis
 Kenneth Carl Sahlin, Forest Lake
 John Edward Scherber, Minneapolis
 Philip Jeffrey Schiller, A.L.A., Wadena
 Frederick Julian Schjolberg, A.A., Minneapolis
 William Kalman Schmitzer, Minneapolis
 Cheryl Lynn Schott, Minneapolis
 Ronald Paul Schroeder, South St. Paul
 Jeffrey Bruce Sell, St. Louis Park
 Marcia Anne Shapiro, St. Paul
 John Everett Sime, St. Paul
 Robert Judd Smith, Norwood
 Terrence Lee Smith, St. Paul
 Winifred Margaret Sorensen, Joliet, Ill.
 Karen Louise Koepsell Splittstoesser, Elgin
 Leonard Earl Splittstoesser, Viola
 Rockwell David Stensrud, Minneapolis
 Susan Josephine Stimac, Pequot Lakes
 James Theodor Stoyhoff, Minneapolis
 Clifford George Strouff, Minneapolis
 Zaydee Sucre, Panama, Republic of Panama
 Dennis Carl Swanson, Richfield
 Erma Jean Tanner, Minneapolis
 Jean Ellen Tarziu, St. Paul
 David Herbert Thul, Shakopee
 Anthony Robert Trow, Albert Lea
 Martin Willard Van Duzee, St. Paul
 Roberta Ann Van Hercke, Ft. Lauderdale, Fla.
 Denis Lee Vilella, Minneapolis
 Ronald Joseph Wagner, Richfield
 Barbara Ann Wallis, Detroit Lakes
 Richard Eugene Weber, North St. Paul
 John Francis Weigel, A.L.A., Aberdeen, S.D.
 Judith Ann Weinstein, Minneapolis
 Ann Ruth Nordin Wick, Minneapolis
 Diane Ellen Wiese, A.A., Deerwood

John Stephen Wirth, Minneapolis,
SUMMA CUM LAUDE, PHILOSOPHY
Ronald Theodore Wisti, A.A., Minne-
apolis
Gail Jane Wittels, Minneapolis
James Phillip Wohlwend, Minne-
apolis

Rosemary Antoinette Yankers, A.A.,
West St. Paul
Richard Earl Yonda, Markham, Ill.
Harding David Zahringer, Minneapolis
Daniel Raymond Zechmeister, St. Paul

UNIVERSITY COLLEGE

Bachelor of Arts

Nancy Lea Anderson, Orono

Glen Hawley Carlson, Coon Rapids

Bachelor of Science

James Griffith McAuliffe, Minneapolis
Clinton Reed McLagan, South St.
Paul

Shane Robert Moriarity, Gilbert, CUM
LAUDE

INSTITUTE OF TECHNOLOGY

Certificate in Science

Lauren Lee Moos, Richfield

Bachelor of Aeronautical Engineering

John Okey Dye III, Minneapolis
Richard George Otis, Minneapolis
Leslie Dennis Smith, Rhineland,
Wis.

Dennis Keith Taylor, Minneapolis,
WITH DISTINCTION

Stanley Earl Tolzmann, Minnesota
Lake
Robin Leslie York II, Minnetonka

Bachelor of Agricultural Engineering

Arun Kumar Dube, New York City,
N.Y.

Thomas Charles McCammon, Canby
Gary Arden Turner, Canton

Bachelor of Architecture

Nicholas Anthony Palaia, Minneapolis

Bachelor of Chemical Engineering

James D. Brazil, Anoka
Harry Leverne Dean, Rochester
Donald Edward Hale, Stewartville

*Michael John Strand, Richfield, WITH
DISTINCTION*

Bachelor of Civil Engineering

Charles Larry Anderson, Thief River Falls
Joseph Richard Bettendorf, St. Paul
Walter Thomas Bugno, St. Paul
Thomas John Eggum, St. Paul
Robert Peter Fabry, St. Paul
Gary Michael Gits, Minneapolis
Charles E. Henningsgaard, Madison
Ralph William Jackson, Jr., Columbia Heights
Karl William Kehren, Lake City
Stuart Zangwell Kirschbaum, Columbia Heights
David John Nybakken, B.A., South St. Paul

Blutcher Milton Rhoades, Minneapolis
Douglas Kenneth Sauter, Cologne
Thomas Harold Solberg, Eau Claire, Wis.
Philip Andrew Stefaniak, West St. Paul
Merlin Barry Tostrud, Albert Lea
*Arnold John Ullevig, Jr., Zumbrota,
WITH DISTINCTION*
Michael Frank Vitek, South Milwaukee, Wis.
Robert Gillard Werness, Minneapolis

Bachelor of Electrical Engineering

David Laurence Conway, Byron
Donald Owen Ellings, Minneapolis

Shu-Fun Lee, Kwei-lin, China
Arthur Winfield Ritter, St. Paul

Bachelor of Mechanical Engineering

James Emmett Bentson, Duluth
Bruce Martin Graning, Minneapolis
Glenn Howard Heiller, Brownsville
James Andrew Jenkins, Minneapolis
Micheal David Kaasa, Fergus Falls

William M. Lake, Nashwauk
Orville Joseph Rinehart III, A.A., Rochester
Brian Theodore Van Beusekom, Loretto

Bachelor of Physics

James Francis Cripps, Minneapolis

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Technical Certificate in Agriculture

Arthur A. Korhonen, Kettle River
Russell Bruce Olson, Welch

Douglas Whitmore Reed, Anoka
Martin Paul Voth, Red Wing

Bachelor of Science

- Paul Don Arneson, Fergus Falls, Agriculture, WITH HIGH DISTINCTION*
Frank MacDonald Baucom, Bloomington, Agriculture
Jeanne Gladys Bergstrom, Robbinsdale, Home Economics
Charles Peter Bobendrier, Elk River
Dyo Robert Coles, St. Paul, Forestry
Lee Wynn Cunningham, St. Paul, Agriculture
William Henry Fossum, Beloit, Wis., Forestry, WITH DISTINCTION
Darrel Frederick Franson, Ogilvie, Agriculture
Lowell Thomas Gunderson, Twin Lakes, Agriculture
Margaret Ruth Hansen, Highland Park, Ill., Home Economics
Dave Loren Hartman, Barrett, Agriculture
Douglas Forest Henry, Dover, Agriculture
Susan Anne Hromatka, Hopkins, Home Economics, WITH DISTINCTION
Donald Wayne Maage, Le Roy, Agriculture
Thomas C Mack, Olivia, Agriculture
John Andrew Malmberg, Lafayette, Agriculture
Edward Richard Miller, Albany, N.Y., Forestry
Jan Robert Miller, St. Paul, Forestry
David Gilmore Nelson, Madison, Wis., Forestry, WITH DISTINCTION
Martin Karl Nelson, Madison, Wis., Forestry, WITH DISTINCTION
Marilyn Carlson Olsen, Stephen, Home Economics, WITH DISTINCTION
Ronald James Perisho, Bloomington, Forestry
Floran Jay Peters, Mountain Lake, Agriculture
Harlan Dennis Petersen, Luck, Wis., Forestry
Severin Herman Peterson, Eden Prairie, Agriculture
David Charles Pierson, Lake Elmo, Agriculture, WITH DISTINCTION
Gerald Orlin Rabe, Lake City, Agriculture, WITH DISTINCTION
James Stanley Reierson, Minneapolis, Agriculture
Dianne Kay Reyer, Staples, Home Economics
Dennis Merlin Roesler, New Richland, Agriculture
Barbara Ann Sandberg, Elbow Lake, Home Economics
Marvin Peter Staloch, Wells, Agriculture
Edward Francis Vlach, Minneapolis, Forestry
Jean Christianson Wigley, Golden Valley, Home Economics, WITH DISTINCTION
Robert Leslie Wilkins, A.A., Dodge Center, Agriculture, WITH DISTINCTION
Thomas Edward Williams, Bloomington, Forestry
Maurice Joseph Wolf, Sanborn, Agriculture, WITH HIGH DISTINCTION

COLLEGE OF EDUCATION

Bachelor of Science

- John Freeman Anderson, West St. Paul, WITH DISTINCTION*
Lois Jean Anderson, Frazee
Carol Ann Applen, Austin
Margaret Louise Bauer, St. Paul
Agnes Sorensen Berger, Emmons, WITH HIGH DISTINCTION
Joan Carol Blumenson, Minneapolis, WITH DISTINCTION
Donald James Borey, Excelsior

Graham Dare Broomell, Minocqua, Wis.
 Jean Marie Brueshoff, Shakopee
 Marguerite Pryde Cadwell, Minneapolis
 Burton Arthur Carlson, Marinette, Wis.
 Cathleen Joyce Carlson, Minneapolis
 Leslie Joanne Champa, St. Cloud
 Diane Doreen Davies, Minneapolis
 Patricia Jean Daugherty Davis, Minneapolis
Eileen Rita Devoy, Minneapolis, WITH DISTINCTION
 Carol Lynn Ehrlich Dobrin, St. Paul
 Harry Francis Drabik, Hoyt Lakes
Carol Kaye Dyrud, Duluth, WITH HIGH DISTINCTION
 Shirley Mae Edhlund, Minneapolis
Mark Willard Ellefson, Willmar, WITH DISTINCTION
 Robert Elroy Frank, Virginia
 Karen Chaplin Geraghty, A.A., Iowa Falls, Iowa
 James Donald Gustafson, St. Paul
 Carolyn Lee Hagberg, Duluth
 Jeanine Ann Hagen, Minneapolis
 Robert John Hagen, B.A., Minneapolis
 Ronald Lee Hamberg, B.A., Minneapolis
 Sharon B. Carsten Hames, Mound
 Dennis Clark Hayden, Crookston
 Curtis Uri Heaton, B.A., Richfield
 Barbara Sarah Hofman, Minneapolis
Jean Carol Hosfield, Owatonna, WITH DISTINCTION
 Dorothy Jean Hozempa, Minneapolis
 Carole Marie Inouye, Honolulu, Hawaii
 Helen Margaret Jech, St. Paul
 Carolyn Janet Johnson, North St. Paul
 Lauren Victoria Johnson, Edina
 Nova Joan Johnson, Kirkland, Ill.
Sandra Ruth Johnson, B.A., St. Paul, WITH DISTINCTION
 Kenneth William Kallman, Minneapolis
 Geraldine Ellen Brown Kath, Minneapolis
 Karen Sattre Kirkwood, St. Paul
 Barbara Haugen Korpi, Duluth
 Jeanne Carlotta Korsh, Minneapolis
Faye Ann Krogh, Lake City, WITH DISTINCTION
 Eila Paula Lahti, Minneapolis
 Diane Marie Lamphere, South St. Paul
 Dennis Gale Lander, Minneapolis
 Betty Bundy Langeberg, A.A., Rochester
 Janice Louise Latsha, Golden Valley
 Gary Wilfred Lawson, Minneapolis
 Lelanie Margaret Leisy, Hackensack
 Vija Daina Leleps, Minneapolis
 Mary Carolyn Lien, Minneapolis
 John Elmer Lindquist, Minneapolis
Marcia Lynn Lindseth, St. Paul, WITH HIGH DISTINCTION
 Larry John Linn, Lake Lillian
 Arlene Grace Lubben, St. Paul
 Mary Lee Martig, West Concord
Sandra Lee Thomas McKay, Minneapolis, WITH HIGH DISTINCTION
 Doris Johnson Meyerding, B.A., M.A., St. Paul
 Shirley Judith Milgrom, Minneapolis
 Kathleen Martha Miller, Aurora
KaraLee Ruth Nacin, Minneapolis, WITH HIGH DISTINCTION
 Donise Jean Nelson, Minneapolis
 Eugene William Nelson, Baudette
 Judith Angeline Nelson, B.A., Bemidji
 Janet Elaine Roorda Nordos, Hollandale
 Jon Thomas Passi, Ely
 Donald John Petros, Robbinsdale
 Tracy Anne Plum, Minneapolis
 Sarma Kaskurs Priedkalns, St. Paul
 Joseph Edward Pung, St. Martin
 Janet Elizabeth Rauen, B.A., Mound
 Mary Kathleen Roeder, Belgrade
 Thomas John Ryan, St. Paul
Forrest Herbert Sargent, Red Wing, WITH DISTINCTION
 Valorie Towne Schlichting, Bloomington
 Jerome John Schmehl, Stillwater
 G. Josephine Shipka, Richfield
 Mary Lou Felland Simonson, Roseville
 Gary Alfred Spidahl, Cannon Falls

Kaye Lorraine Stacey, Minneapolis,
WITH HIGH DISTINCTION
David Fred Stankeivicz, Forest Lake
Leonard Wayne Stream, Minneapolis
Betty Lou Forde Swanson, Bloom-
ington
Judith Dawn Taft, Minneapolis

Joyce Wickham Waibel, St. Paul
Harry Loomis Woodward, Minne-
apolis
Douglas William Woog, South St
Paul
Vicki Joan Wyard, Minneapolis
Dorothy Snyder Zimbinski, St. Paul

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Alice Virginia Jacobs Brandon, Way-
zata, Home Economics Education
Mary Lenore Cartwright, St. Paul,
Home Economics Education
Arthur Ray Frame, Northfield, Agri-
cultural Education
Dennis Henry Franz, Mountain Lake,
Agricultural Education
Jean Louise Grundy, A.A., Austin,
Home Economics Education
Linda Severin Hansen, Foreston,
Home Economics Education, WITH
DISTINCTION
Susan Marie Hanson, Heron Lake,
Home Economics Education
Arnold Arlee Harder, Mountain Lake,
Agricultural Education

Sharon Lynn Johnson, Minneapolis,
Home Economics Education
Bruce Kent Milbrandt, Elmore, Agri-
cultural Education
James Arthur Nelson, Mora, Agri-
cultural Education
Carl Lennis Pherson, Kasota, Agri-
cultural Education, WITH HIGH DIS-
TINCTION
Jerome Dutton Schwarzbauer, Mc-
Grath, Agricultural Education
Ronald Allan Sikkila, Angora, Agri-
cultural Education
Shirley Ann Struck, Bellingham,
Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

David Lloyd Antonson, St. Paul
Michael Russell Arlett, Minneapolis
DuWayne Allan Bakke, New Brighton,
WITH DISTINCTION
Charles Richard Bastien, St. Paul
Darrel Thomas Brueschoff, Minne-
apolis
Donald Eugene Butzin, Albert Lea
Richard Donald Carlson, Minneapolis
Jeno Fenczik, St. Paul

Carl Andrew Fligge, Minneapolis
William Wong Goon, St. Paul
James William Gregor, Minneapolis
Robert Webb Hale, B.M.E., Edina
Bruce Norman Hanson, A.A., Rich-
field
Thomas Barr Hardin, Minnetonka
Roy Stephen Haugen, Minneapolis
Roger Allen Heimke, Hopkins
John Vern Howieson, Claremont

Thomas Woodbury Jacobson,
Richfield
Richard Peter Jensen, A.A., Minne-
apolis
Bruce William Knudson, Minneapolis
Adrienne Judith Locker Koritz,
A.L.A., Minneapolis
Stephen Douglas Laing, Minneapolis
David Richard Larson, Minneapolis
Donald Allen Larson, Minneapolis
John Henry LeFevre, Minneapolis,
WITH HIGH DISTINCTION
Gary Bernard Lewis, St. Paul
Harold Irving Lorentz, Minneapolis
Gary Robert Lundquist, Minneapolis
Benjamin Charles Marshall,
Alexandria
Wallace Ernest Mattson, Duluth
David Rinchart Michael, Edina
Donald V. Neisen, A.A., Mahanomen
Donald Martin Nelson, A.M.S.,
Minneapolis
Jerry Victor Noyce, Evanston, Ill.
John William O'Reilly, Minneapolis

Douglas Richard Pautz, Minneapolis
Richard Peter Payne, Minneapolis
David Joel Peterson, Minneapolis
Thomas McManus Quayle, St. Paul
Thomas Leo Regnier, Virginia
Russell Frederick Roller, White Bear
Lake
James Stephen Salzer, St. Cloud
Robert Lawrence Serier, Bayport
John Robert Setterholm, St. Paul
Laurel Arthur Smith, Minneapolis
Richard Eugene Sorensen, Albert Lea,
WITH DISTINCTION
Jerry John Svien, Fosston
Mehmet Noyan Tanberk, Minneapolis
Rian James Tellor, Coleraine
Robert Jewell Thompson, Minneapolis
James Walter Torseth, North St. Paul
Maurice Eugene Vockrodt, Minne-
apolis
Robert Alan Walleen, Deer Lodge
Dennis Bailey Wolkoff, Mahtomedi,
WITH DISTINCTION

Bachelor of Science in Economics

Larry Michael Dickerson, Rapid City,
S.D.
Harley De Wayne Froslic, Webster,
S.D.
Richard George Hirsch, Minneapolis
Donald Edwin Johansson, Minne-
apolis
Thomas Barrett Kelley, Minneapolis
Terry Lee Myhre, Mahtomedi

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Agricultural Business Administration

William Ward Bartlett, St. Paul
Loren Dean Luschen, Benson
Jerome Bernard Moening, Sauk
Centre

LAW SCHOOL

Bachelor of Laws

Thomas Farrell Casey, B.A., Jordan

Arlene M. Vickers, B.A., St. Paul

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing

Sandra Mae Proehl, Stewart, WITH DISTINCTION

Bachelor of Science

Norynne Marie Mihalchick, Minneapolis, Medical Technology*

Master of Public Health

Gary Powell Combs, B.S., D.V.M.,
New Brighton

Charles Sylvester Gue, Jr., B.S.,
D.V.M., St. Paul

James Irwin Moulthrop, D.V.M., St.
Paul

GRADUATE SCHOOL

Master of Arts

Marcellino Alfarano, New York, N.Y.
Licenza *cum laude* '28, '32, '36, Pontificium
Seminarium (Italy). Field of Concentration:
Spanish. Major Adviser: Prof. R. O. Floripe.

Clyde Bailey Anderson, Minneapolis
B.S. '57, University of Minnesota. Field of
Concentration: Music. Major Adviser: Prof.
P. M. Oberg.

Kent Leroy Archerd, Minneapolis
B.S. '56, University of Minnesota. Field of
Concentration: American Studies. Major Ad-
viser: Prof. M. C. Turpie.

Ruth Theresa Austin, Duluth
B.S. with distinction '65, University of Min-
nesota. Field of Concentration: Library Sci-
ence. Major Adviser: Prof. N. J. Freeman.

Robert Lee Barnette, Fridley
B.A. '58, Hamline University. Field of Con-
centration: Educational Psychology. Major Ad-
viser: Prof. W. W. Tennyson.

Marie Burns Bohmbach, Minneapolis
B.A. *magna cum laude* '39, University of Min-
nesota. Field of Concentration: Education.
Major Adviser: Prof. S. B. Kegler.

* These degrees are conferred subject to the completion of practical work prior to June 10, 1967.

Harold Harvey Boyum, Anoka

B.S. with honors '61, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Karen Ruth Briesemeister,
Minneapolis

B.S. with high distinction '62, University of Minnesota. Major: Speech Pathology. Minor: Child Psychology. Thesis: The Sociometric Status of a Group of Children with Minimal Articulation Deviations. Major Adviser: Prof. C. D. Starr.

Gary Alvin Byce, Duluth

B.A. '64, University of Minnesota. Field of Concentration: Industrial Relations. Major Adviser: Prof. T. G. Mahoney.

Bruce Anthony Campbell,
Bloomington

B.A. *magna cum laude* '62, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. H. P. Longstaff.

Clement Chu-chun Chang, Taipei,
Taiwan, China

Bachelor of Law '59, National Chengchi University (Taiwan). Field of Concentration: Journalism. Major Adviser: Prof. R. E. Carter.

Don Arlo Chillstrom, Minnetonka

B.S. '60, Wisconsin State College (Eau Claire). Field of Concentration: Educational Psychology. Major Adviser: Prof. R. L. Lathrop.

Olivia Carlena Cole, New York, N.Y.

Honor Certificate '64, Royal Academy of Dramatic Arts (London). Major: Theatre Arts. Minor: Scandinavian. Thesis: A Study of the Portrayal of Cleopatra. Major Adviser: Prof. A. H. Ballet.

Gwendolyn Fillman Dahlquist, Minneapolis

B.A. '47, George Washington University; M.A. '53, Columbia University. Field of Concentration: Sociology. Major Adviser: Prof. A. M. Rose.

Jo Ann Dobecki, South Bend, Indiana

B.S. '63, Indiana University. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Carole Yvonne Dodds, Robbinsdale

B.S. with distinction '64, University of Minnesota. Field of Concentration: French. Major Adviser: Prof. J. L. Waldauer.

Ella Maegaard Dokken, Minneapolis

B.S. '51, Mayville State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. J. R. Curtin.

Ronald Erling Eikaas, Minneapolis

B.S. with distinction '61, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Roger Nels Eklund, Cambridge

B.S. '58, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. R. P. Marvin.

John Estok, Kerrobert, Saskatchewan,
Canada

B.A. '44, B.Ed. '47, University of Saskatchewan. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Malcolm McCollum Feeley, Weslaco,
Tex.

B.A. '64, Austin College. Major: Political Science. Minor: Sociology. Thesis: An Examination of the Personal Characteristics and Decision-Making of Judges: The New York Court of Appeals (1960-1965). Major Adviser: Prof. Samuel Krislov.

Millicent Mosher Ferris, Williams
Bay, Wis.

B.A. '61, University of Miami. Major: Speech and Theatre Arts. Minor: Scandinavian. Thesis: The Pillsbury Oratorical Contest: A Study of Seventy-five Years of College Oratory. Major Adviser: Prof. K. L. Graham.

David Nils Flaten, Northfield

B.A. '64, St. Olaf College. Field of Concentration: Speech and Theatre Arts. Major Adviser: Prof. A. H. Ballet.

Eugenia Flea Foster, Athens, Greece

B.A. '53, University of North Dakota. Field of Concentration: Library Science. Major Adviser: Prof. W. C. Simonton.

Peter Luther Freeman, Cloquet

B.A. '63, Carleton College. Field of Concentration: History. Major Adviser: Prof. O. P. Pflanze.

Viktoras Gecas, Chicago, Ill.

B.A. '64, Beloit College. Major: Sociology. Minor: Anthropology. Thesis: Sources and Expressions of Aggression in American Society: A Content Analysis of Popular Fiction Magazines. Major Adviser: Prof. M. A. Straus.

John Vincent Gillespie, Birmingham, Mich.

B.A. with honors '64, Oakland University. Major: Political Science. Minor: Sociology. Thesis: The Application of Causal Models to Comparative Political Analysis. Major Adviser: Prof. Edwin Fogelman.

Robert Victor Gliner, Altadena, Calif.

B.A. '64, University of Minnesota. Major: Sociology. Minor: Journalism. Thesis: Marginality: The Jewish Fraternity. Major Adviser: Prof. G. P. Stone.

Ronald Lawrence Handley, Minneapolis

B.A. '58, B.S. '59, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Rolland Elbert Hanks, Elk River

B.S. '60, Gustavus Adolphus College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Joleen Mary Hartung, Hector

B.S. '63, Mankato State College. Field of Concentration: Education. Major Adviser: Prof. R. R. Ford.

Phillip Lessard Haubner, Fridley

B.S. '57, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Kaare Hauge, Bergen, Norway

B.A. '64, University of Oslo. Field of Concentration: History. Major Adviser: Prof. O. P. Pflanze.

Carl A. Holmgren, Minneapolis

B.S. '55, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. A. Parker.

Virginia Holden Hummel, Blacksburg, Va.

B.S. '36, M.S. '38, Virginia Polytechnic Institute. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Ann Louise Hyde, Lawrence, Kan.

B.A. '60, University of Kansas. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

In Jae Im, Seoul, Korea

B.A. '62, M.A. '64, Seoul National University. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. A. Parker

Loren Frank Kamish, St. Croix Falls, Wis.

B.S. '54, M.A. '60, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. C. P. Hooker.

Tamas Matyas Kando, Amsterdam, Netherlands

Kandidaat '65, University of Amsterdam. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

Benjamin Lifson Kaufman, Minneapolis

B.A. '59, University of Minnesota. Major: Journalism. Minor: Public Administration. Thesis: Editors of Prestige Newspapers: A Profile. Major Adviser: Prof. G. S. Hage.

Richard Hugh Kelner, Chicago, Ill.

B.A. '59, College of St. Thomas. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Grace Eileen Kemmer, Williston, N.D.

B.A. *cum laude* '58, Augsburg College. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Muriel Kaye Stephenson Kerr, Youngstown, N.Y.

B.A. '63, University of Minnesota. Major: Child Psychology. Minor: Educational Psychology. Thesis: The Relative Effectiveness of Two Incentive Levels on Children's Learning of a Simultaneous and Successive Discrimination Problem. Major Adviser: Prof. B. K. Ruebush.

Marilyn Gottschalk Klawiter, Sioux Falls, S.D.

B.A. *magna cum laude* '60, Augustana College. Major: English. Minor: German. Thesis: *Religio Medici* and "Religio Laici": A Comparative Study. Major Adviser: Prof. S. H. Monk.

Edward Tobias Patrick Kosberg,
Minneapolis

B.A. '63, Columbia University. Field of Concentration: History. Major Adviser: Prof. J. L. Altholz.

Dennis Arnold Krieg, Wausau, Wis.

B.S. with distinction '64, University of Minnesota. Field of Concentration: Art Education. Major Adviser: Prof. W. R. Hastie.

Patrick Anthony Kroll, Minneapolis

B.S. '62, Ellendale State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Gertrude Ann Kuchl, Minneapolis

B.A. '58, University of Minnesota. Field of Concentration: Political Science. Major Adviser: Prof. C. H. McLaughlin.

Adele Gluek Lack, Minneapolis

B.A. '36, Vassar College; B.S. '62, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. N. Odland.

Karen Marjory Larson, Cass Lake

B.A. *cum laude* '58, Bemidji State College. Field of Concentration: English. Major Adviser: Prof. J. C. Levensen.

Sharlene Helga Loughton,
Minneapolis

B.A. *magna cum laude* '64, University of Minnesota. Major: Anthropology. Minor: Genetics. Thesis: Weight and Fatness of the Newborn With Consideration of Gestation Age, Placental Weight and Parental Factors. Major Adviser: Prof. L. P. Novak.

Lewis Charles Lawton, Phoenix, Ariz.

B.A. '52, Houghton College. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Hugh Myles Leard, Saskatoon,
Saskatchewan, Canada

B.A. '61, B.Ed. '63, University of Saskatchewan. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Barbara Gay Lecker, Winnipeg,
Manitoba, Canada

B.A. with honors '65, University of Manitoba. Field of Concentration: English. Major Adviser: Prof. J. C. Levensen.

Joan Harman Leigh, York, England

B.A. '46, University of London. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Jakob Letkemann, Gretna, Manitoba,
Canada

B.A. '57, University of Manitoba. Field of Concentration: English. Major Adviser: Prof. J. W. Clark.

Doris Darlene Miller Liakos, Milford,
Neb.

B.S. '55, University of Nebraska. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olsen.

Arlene Marie Lundeen, Minneapolis

B.A. '63, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. J. D. Duker.

Rosalie Arlene Lustig, Owatonna

B.A. '65, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Burnae Mitchell Marrinan, St. Paul

B.S. '51, College of St. Catherine. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. C. Reynolds.

Ronald Garfield McKechney, Bienfait,
Saskatchewan, Canada

B.S. '61, Bemidji State College. Field of Concentration: Physical Education. Major Adviser: Prof. R. E. McAdam.

Judith Hildur Mona, Minneapolis

B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. B. Wilderson.

Donna Sue Moore, Glidden, Iowa

B.A. '66, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

Patricia Louise Patterson Morgan,
Minneapolis

B.A. *cum laude* '64, University of Minnesota. Field of Concentration: Art History. Major Adviser: Prof. C. D. Sheppard.

Nicholas Anthony Muley, Tampa,
Fla.

B.S. '64, Florida State University. Major: Physical Education. Minor: Educational Psychology. Thesis: The Commuting Student and his Participation in the College Union Program at the University of Minnesota, Saint Paul Campus. Major Adviser: Prof. F. M. Chapman.

Patricia Durey Murphy, Minneapolis

B.S. '52, Iowa State University. Field of Concentration: Home Economics Education. Major Adviser: Prof. R. R. Ford.

Gertrude Arlene Nellis, Minneapolis

B.A. '57, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Robert Sigurd Nelson, Green Bay,
Wis.

B.A. '56, Luther College (Iowa). Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D.A. Johnson.

Jorge Nunez-Semprun, Maracaibo,
Venezuela, S.A.

B.S. '60, Universidad Central de Venezuela. Field of Concentration: International Relations. Major Adviser: Prof. C. H. McLaughlin.

George William Orning, St. Paul

B.A. '64, University of Minnesota. Major: Geography. Minor: Political Science. Thesis: The Process of Lakeshore Development in Crow Wing County. Major Adviser: Prof. J. R. Borchert.

Christos Neocleous Pantelides,
Nicosia, Cyprus

B.A. '60, University of Leicester (Cyprus). Field of Concentration: Economics. Major Adviser: Prof. Edward Coen.

Vijay Parkash, New Delhi, India

B.A. '58, Delhi College; Diploma in Lib. Sci. '59, M.A. '63, Delhi University (Delhi). Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Stephen William Plumb, Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

David Marvin Quick, Duluth

B.A. '64, University of Minnesota. Field of Concentration: Art History. Major Adviser: Prof. D. T. Tselos.

Frank Samuel Reynolds, Milltown,
Wis.

B.S. '43, River Falls State. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Michael Jerome Rockler, Minneapolis

B.A. '61, B.S. '62, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. Edith West.

Sharon J. Rogers, Pullman, Wash.

B.A. with highest honors '63, Bethel College. Field of Concentration: Library Science. Major Adviser: Prof. E. W. McDiarmid.

Frank Manning Rosekrans III,
Wayzata

B.A. '59, M.A. '64, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. E. C. Walster.

Nancy Arko Russell, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Zoology. Major Adviser: Prof. N. T. Spratt, Jr.

Thomas Robert Rykken, Roseville

B.A. '63, St. Olaf College. Major: Mathematics. Minor: Philosophy. Thesis: Recurrence of Sums of Random Variables. Major Adviser: Prof. Steven Orey.

Gutti Sathyavathi, Madras, India

B.A. '53, Madras University (India). Field of Concentration: History. Major Adviser: Prof. O. P. Pflanze.

Johann Seitz, Schwandorf, Germany

B.A. '62, Hamline University. Field of Concentration: German. Major Adviser: Prof. W. F. Taraba.

Anne Eleanor Seltz, Ichang, China

B.S. '55, University of Minnesota. Field of Concentration: Speech Pathology and Audiology. Major Adviser: Prof. F. M. Lassman.

Lawrence Gale Shelton, Minneapolis

B.A. cum laude '64, Harvard College. Major: Child Psychology. Minor: Educational Psychology. Thesis: The Effects on Cheating of Knowledge of Peer Success and Publicizing Performance Outcome to Peers. Major Adviser: Prof. J. P. Hill.

Suman Anantha Sheno, Mombasa,
Kenya, East Africa

B.A. '61, University of Mysore (India). Major: Home Economics. Minor: Art. Thesis: Women's Costume in Minnesota During the Nineteenth Century. Major Adviser: Prof. Gertrude Esteros.

Myrna Gay Smith, Tekamah, Neb.

B.Mus. with honors '58, Wayne State College. Field of Concentration: Spanish. Major Adviser: Prof. R. O. Floripe.

Joseph Leo Spaeth, Springfield

B.S. '50, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. T. W. Clymer.

John Frank Stevens, Minneapolis

B.A. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Stuart Harold Stockhaus, Minneapolis

B.S. *cum laude* '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Edith West.

Chung Woo Suh, Seoul, Korea

B.A. '62, Yonsei University. Field of Concentration: Journalism. Major Adviser: Prof. R. B. Nixon.

Larry Earle Teien, Bloomington

B.A. '58, Macalester College. Field of Concentration: Journalism. Major Adviser: Prof. Edwin Emery.

Melitta Martha Tonn, Minneapolis

B.A. '33, Gustavus Adolphus College. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Helen Marie Ulvestad, Minneapolis

B.A. '32, St. Olaf College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Sushil Kumar Usman, Agra, India

B.A. '59, Lucknow Christian College (India); M.A. '61, Lucknow University (India); L. T. '62, Christian Training College (India). Field of Concentration: Sociology. Major Adviser: Prof. C. E. Ramsey.

Anne Smillie Webb, Minneapolis

B.A. *cum laude* '53, St. Lawrence University. Major: History. Minor: English. Thesis: Some Historical Interpretations of British Academic Historians Writing on American History Since World War I. Major Adviser: Prof. D. W. Noble.

David Patrick Werlich, Minneapolis

B.A. '63, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. W. D. Beatty.

Lou Esther Wheeler, Marion, Kan.

B.S. '64, Oklahoma State University. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Dale Ralph Wicklander, St. Paul

B.S. '63, University of Minnesota. Major: Speech. Minor: English. Thesis: Rhetorical Analysis of the Evangelistic Crusade Speaking of Oral Roberts. Major Adviser: Prof. W. S. Howell.

Gretchen L. Wunderlich, Wayzata

B.A. '56, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Master of Arts in Public Administration

Forrest Kermit Geerken, Jr., Mexico
City, Mexico

B.A. '64, University of Minnesota. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Larry Roland Granger, St. Paul

B.A. '60, University of Minnesota. Major: Public Administration. Thesis: The Suburban Reaction to the Proposed 1961 Minneapolis Income Tax. Major Adviser: Prof. G. A. Warp.

Ampan Kittisakdi, Bangkok, Thailand

B.Com. '54, Chulalongkorn University (Thailand). Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

John A. Mogen, Dodge Center

B.A. '64, University of Minnesota. Major: Public Administration. Thesis: A Study of Administration and Planning in Four Housing Developments in Bogota, Colombia. Major Adviser: Prof. G. A. Warp.

Chanya Srisa-an, Bangkok, Thailand

B.A. '61, Chulalongkorn University. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Master of Business Administration

Alvin Armond Arens, Minneapolis

B.B.A. '60, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. G. Berryman.

Gerald Charles Doran, Madison, Wis.

B.B.A. '62, University of Wisconsin. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Wendell Michael Dwyer, Minneapolis

B.A. '59, Princeton University. Field of Concentration: Business Administration. Major Adviser: Prof. Nicholas Glaskowsky.

Yong Tau Kee, Penang, Malaysia

B.A. with honors '61, University of Malaya (Singapore). Field of Concentration: Business Administration. Major Adviser: Prof. C. A. Williams, Jr.

Herbert W. Lundberg, Jr., St. Paul

B.S. Ch.E. '56, University of Colorado. Field of Concentration: Business Administration. Major Adviser: Prof. R. E. Willis.

Albert Lenard Pooler, St. Louis Park

B.Ch.E. '53, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Charles Walter Thelen, La Salle, Ill.

B.S. '55, Bradley University. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Master of Fine Arts

Raye John Birk, Flint, Mich.

B.S. '65, Northwestern University. Field of Concentration: Theatre Arts. Major Adviser: Prof. F. M. Whiting.

Jon Russell Cranney, Preston, Idaho

B.F.A. '64, Utah State University. Field of Concentration: Theatre Arts. Major Adviser: Prof. M. M. Klein.

Warren John Kliever, Wichita, Kan.

B.A. '53, University of Minnesota; M.A. '57, University of Kansas. Field of Concentration: Theatre Arts. Major Adviser: Prof. A. H. Ballet.

Richard Russell Ramos, San Francisco, Calif.

B.A. '63, San Francisco State College. Field of Concentration: Theatre Arts. Major Adviser: Prof. R. D. Moulton.

Master of Science

Richard Hilmer Anderson, Grand Rapids

B.S. '50, University of Minnesota. Major: Agronomy. Minor: Soil Science. Thesis: An Evaluation of Several Herbicides for the Selective Control of White Cockle in Alfalfa. Major Adviser: Prof. H. L. Thomas.

Richard Ernest Beedle, Jr., Cottage Grove

B.Physics '64, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Balloon Measurement of the Intensity of Low Energy Electrons as a Function of Altitude at Fort Churchill, Canada. Major Adviser: Prof. W. R. Webber.

Richard Jules Bertin, Pittsburgh, Pa.
B.S. *summa cum laude* '65, University of Pittsburgh. Field of Concentration: Hospital Pharmacy. Major Adviser: Prof. H. F. Kabat.

Roberta Jane Bessette, Cranston, R.I.

B.S. '60, Columbia University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Nurali Valli Bhaloo, Nairobi, Kenya

A.C.A. '64, Institute of Chartered Accountants in England and Wales. Field of Concentration: Business Administration. Major Adviser: Prof. T. R. Hoffman.

Dennis Patrick Bradley, Grand Rapids

B.S. with high distinction '64, University of Minnesota. Field of Concentration: Forestry. Major Adviser: Prof. R. A. Skok.

James Garrison Bradley, Duluth

B.A. *cum laude* '64, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Plasma Ion Source for a Mass Spectrometer. Major Adviser: Prof. W. H. Johnson.

Stuart Lee Braun, Baltimore, Md.

B.E.S. '57, Johns Hopkins University. Field of Concentration: Biostatistics. Major Adviser: Prof. J. R. Boen.

Elizabeth Ann Brewer, St. Paul

B.S. '65, College of St. Catherine. Field of Concentration: Public Health. Major Adviser: Prof. R. A. Kroska.

Harold Henry Burrows, Minneapolis

B.S. '64, Iowa State University. Major: Physics. Minor: Mathematics. Thesis: Low-Energy Electron Diffraction and Work Function Studies on Cesium-Covered Silver. Major Adviser: Prof. W. V. Weyhmann.

Alice Buelane Daugherty, Adel, Iowa

B.S. '62, University of Iowa. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Carl Fay Engelhardt, Sharon, Wis.

B.A. '65, Carthage College. Field of Concentration: Business Administration. Major Adviser: Prof. H. W. Stevenson.

Ronald Bertrand Faanes, Minneapolis

B.A. '63, University of Minnesota. Major: Microbiology. Minor: Biochemistry. Thesis: Derepression of the Ornithine Transcarbamylase Synthesizing System During Arginine Deprivation in *Escherichia Coli*. Major Adviser: Prof. Palmer Rogers.

Michael Paul Felix, Little Falls

B.S. with high distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Richard Bruce Fine, Forest Hills, N.Y.

B.A. '62, Gettysburg College. Field of Concentration: Mathematics. Major Adviser: Prof. N. G. Meyers.

Ona Wyman Gebhard, Winnipeg, Manitoba, Canada

B.N. '63, University of Manitoba. Field of Concentration: Psychiatric Nursing. Major Adviser: Prof. G. K. Lewis.

Frederick John Gunther, Van Nuys, Calif.

B.S. '64, San Diego State College. Major: Geology. Minor: Zoology. Thesis: Ostracoda of the Gulf of Panama and Bahia San Miguel. Major Adviser: Prof. F. M. Swain.

Nina Catherine Haliburton, Midwest City, Okla.

B.S. '59, Baylor University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Harland B. Hasslen, Crookston

B.S. with distinction '41, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Kathleen Merle Horswill, Black River Falls, Wis.

B.S. '61, Marquette University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Rodney Jacob Ikola, Minneapolis

B.A. '61, University of Minnesota. Major: Geophysics. Minor: Geology. Thesis: A Geophysical Investigation of the Geologic Structure of Carlton County, Minnesota. Major Adviser: Prof. H. M. Mooney.

Kenneth Eugene James, Salem, Ore.

B.S. '65, Walla Walla College. Field of Concentration: Biostatistics. Major Adviser: Prof. B. W. Brown.

Richard Stanley Johnson, St. Louis Park

B.S. '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. Peter Rosko.

Kathleen Nelson Juneau, Minneapolis

B.A. *magna cum laude* '63, University of Minnesota. Major: Organic Chemistry. Minor: Biochemistry. Thesis: Biosynthesis of Pinidine. Major Adviser: Prof. Edward Lecte.

Arthur Martin Jungreis, Minneapolis

B.S. '63, University of Michigan. Major: Zoology. Minor: Biochemistry. Thesis: Metabolic Temperature Adaptation in the Crayfish *Orconectes virilis*, Hagen. Major Adviser: Prof. A. B. Hooper.

Muhammad Abdul Qadeer Khan, Lahore, Pakistan

B.Sc. '56, Punjab University; B.Sc. '58, University of Peshawar. Field of Concentration: Forestry. Major Adviser: Prof. M. P. Meyer.

Lynda Summers Kimball, Fall River Mills, Calif.

B.S. '65, Chico State College. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Wendell Blaine Kringen, Portland, N.D.

B.A. '62, Bemidji State College. Major: Entomology. Minor: Biochemistry. Thesis: A Study of the Free Amino Acids in the Hemolymph of Aposymbiotic Cockroaches (*Periplaneta Americana* Linnaeus). Major Adviser: Prof. M. A. Brooks.

Tien Tao Kuo, Singapore

B.Sc. '46, National Ho-nan University. Major: Mathematics. Minor: Physics. Thesis: The Non-Zero Integer Solutions of the Diophantine Equation $a^2 + a^2 + a^2 + \dots + a^2 = c^2$. Major Adviser: Prof. S. A. Gaal.

Robert Orvel Linde, Minneapolis

B.S. '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. H. W. Stevenson.

Constance Ann Long, New York, N.Y.

B.S. '63, Cornell University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Leah Maria Maki, Buhl

B.S. in Nursing '58, College of St. Scholastica. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Maureen Anne McGrath, St. Paul

B.S. '65, College of Saint Catherine. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

John Clemons Moulton, Hiram, Me.

B.S. '63, University of Maine. Major: Fisheries and Wildlife. Minor: Botany. Thesis: Movement and Activity of Three White-Tailed Deer During the Winter of 1964-1965 in East-Central Minnesota Determined by Telemetry. Major Adviser: Prof. J. R. Tester.

Adnan Hasan Nayfeh, Tulkarn, Jordan

B.A. *cum laude* '65, San Francisco State College. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. J. Warner.

John Matthew Norman, Virginia

B.S. in Physics with distinction '64, University of Minnesota. Major: Soil Science. Minor: Physics. Thesis: An Application of Harmonic Analysis to an *In Situ* Determination of Soil Thermal Diffusivity. Major Adviser: Prof. D. G. Baker.

Alan E. Olness, Kenyon

B.S. with distinction '63, University of Minnesota. Major: Soil Science. Minor: Biochemistry. Thesis: Preparation and Characterization of a Montmorillonite-Polysaccharide Complex. Major Adviser: Prof. C. E. Clapp.

Harbhajan Singh Paul, Ganganagar, India

B.V.Sc. and A.H. '59, University of Gauhati. Major: Poultry Science. Minor: Biochemistry. Thesis: The Effect of Age, Diet and Inter-relationship of Selected Physical Characteristics on Breaking Strength of Eggs. Major Adviser: Prof. D. C. Snetsinger.

Donald Thomas Popielarz, Amsterdam, N.Y.

B.S.B. '63, University of Minnesota. Major: Business Administration. Minor: Psychology. Thesis: Category Width as a Dimension of Consumer Risk Taking. Major Adviser: Prof. R. J. Holloway.

Cynthia Ofstad Prestholdt,
Minneapolis

B.S.N. with high distinction '63, University of Minnesota. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Emalene Louise Rodeffer, Hershey,
Pa.

B.S. '63, Cornell University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Hamdy Ebrahim Hassan Sayed, Cairo,
UAR

B.V.Sc. '62, University of Cairo. Field of Concentration: Veterinary Bacteriology. Major Adviser: Prof. B. S. Pomeroy.

Terry Toshio Sekioka, Ewa, Hawaii

B.S. '63, University of Hawaii. Major: Horticulture. Minor: Agronomy. Thesis: A Quantitative Study on Genotype-Environment Interaction of *Solanum tuberosum* L. clones. Major Adviser: Prof. F. I. Lauer.

Kerwin Larry Siewert, Zumbro Falls

B.S. '65, University of Minnesota. Field of Concentration: Dairy Husbandry. Major Adviser: Prof. C. L. Cole.

Michael Myron Skow, Mound

B.Math with distinction '64, University of Minnesota. Major: Mathematics. Minor: Industrial Engineering. Thesis: A Problem in Ordinary Differential Equations. Major Adviser: Prof. W. O. Munro.

Clyde Geoffrey Swenson, Scandia

B.A.B.A. '64, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: Seasonal Variation in the Demand for Turkeys. Major Adviser: Prof. S. A. Engene.

Francis Man Kei Tam, Macao, Asia

B.A. '63, University of California. Field of Concentration: Physics. Major Adviser: Prof. G. D. Freier.

Richard Eugene Thill, St. Paul

B.A. '58, University of Minnesota. Major: Geology. Minor: Petroleum Engineering. Thesis: Petrofabric Correlations with Compressional Wave Velocity Variation. Major Adviser: Prof. Tibor Zoltai.

Mohammed Younis Yamoor, Mosul,
Iraq

B.S. '62, University of Baghdad (Iraq). Field of Concentration: Animal Husbandry. Major Adviser: Prof. L. E. Hanson.

Houng-Yi Yang, Hsinch, Taiwan,
China

B.S. '61, National Taiwan University. Field of Concentration: Geology. Major Adviser: Prof. W. C. Phinney.

Master of Science in Aeronautical Engineering

Kao-Hong Lin, Taichung, Taiwan,
China

B.S. '64, National Taiwan University. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. A. Wilson.

Master of Science in Agricultural Engineering

Pinhas Golany, Tel-Aviv, Israel

B.S. '55, Technion Israel Institute of Technology. Field of Concentration: Agricultural Engineering. Major Adviser: Prof. C. L. Larson.

Duane Donald Tiede, Alden

B.S. '66, University of Minnesota. Major: Agricultural Engineering. Minor: Mechanics and Materials. Thesis: The Influence Of An Applied Torque On The Operating Characteristics Of The Rotary Hoe. Major Adviser: Prof. John Strait.

Master of Science in Chemical Engineering

Bruce M. Herzog, Scarsdale, N.Y.

B.Ch.E. '65, University of Delaware. Major: Chemical Engineering. Minor: Mathematics. Thesis: The Reactivity of Methylene. Major Adviser: Prof. Rutherford Aris.

William Howard Seward, Arlington, Tex.

B.S.Ch.E. '65, Rice University. Major: Chemical Engineering. Minor: Mathematics. Thesis: On the Statics and Dynamics of Solid/Liquid/Fluid Contact Lines. Major Adviser: Prof. L. E. Scriven.

Su Il Yum, Seoul, Korea

B.S. '62, Yonsei University. Major: Chemical Engineering. Minor: Mathematics. Thesis: The Measurement of Diffusion Coefficient of Human Methemoglobin. Major Adviser: Prof. K. H. Keller.

Master of Science in Civil Engineering

Allan Merle Gebhard, St. Paul

B.S. '65, University of Minnesota. Field of Concentration: Civil Engineering. Major Adviser: Prof. C. E. Bowers.

Girish Govind Joshi, Poona, India

B.E. '62, University of Poona. Field of Concentration: Civil Engineering. Major Adviser: Prof. W. T. Graves.

Robert Oscar Straughn III, Minneapolis

B.S. '65, University of Minnesota. Field of Concentration: Civil Engineering. Major Adviser: Prof. G. J. Schroepfer.

Hsi-Yen Yu, I-Chow, China

B.S. '63, Taiwan Provincial Cheng Kung University. Field of Concentration: Civil Engineering. Major Adviser: Prof. J. F. Ripken.

Master of Science in Dentistry

Bruce A. Lund, Rochester

B.S. '57, Montana State College; D.D.S. '60, Washington University. Major: Dentistry. Minor: Pathology. Thesis: The Use of Processed Heterologous Bone (Boplant) in Apicoectomies. Major Adviser: Prof. R. J. Gores.

Master of Science in Electrical Engineering

Edwin Kent Evenson, Morristown, N.J.

B.S. '64, Colorado State University. Major: Electrical Engineering. Minor: Mathematics. Major Adviser: Prof. E. B. Lee.

Louis Joseph Lass, Beresford, S.D.

B.S. '56, Oklahoma University. Field of Concentration: Electrical Engineering. Major Adviser: Prof. L. T. Anderson.

Gerald Allen Pattison, Staples

B.Phys. '59, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. L. T. Anderson.

Gary Allen Peterson, Minneapolis

B.S. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Time-Dependent Secondary Emission Studies on MgO Thin Films at Low Current Densities. Major Adviser: Prof. A. B. Laponsky.

Rangarajan Srinivasagopalan, Madras,
India

B.S. '57, Diploma '61, Madras University. Major: Electrical Engineering. Minor: Mathematics. Thesis: Theory and Design of a Practical Negative Resistance Amplifier. Major Adviser: Prof. B. A. Shenoi.

Aristides Antony Yiannoulos, Athens,
Greece

B.S. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in the Light Output of a Scanned Cathode-Ray tube Screen. Major Adviser: Prof. Aldert van der Ziel.

Master of Science in Industrial Engineering

Babu Narasimha Aharam, Hyderabad,
India

B.E. '65, Osmania University. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Dinesh Kumar, Kanpur, India

B. Tech. '63, Indian Institute of Technology. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Krishan Chander Grover, Ludhiana,
Panjab, India

B.S. '63, Panjab Engineering College. Field of Concentration: Industrial Engineering. Major Adviser: Prof. G. W. McElrath.

Satish Chandra D. Nayak, Indore,
India

B.S. '63, Government Engineering College; M.S. '65, Indian Institute of Technology. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Master of Science in Mechanical Engineering

Edgar Robin Arrieta, Maracaibo,
Venezuela

B.M.E. '63, Universidad Central de Venezuela. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Study of a Thermocouple Psychrometer. Major Adviser: Prof. J. L. Threlkeld.

Krishan Chander Sharma, New Delhi,
India

B.E. '61, Delhi Polytechnic. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. T. E. Murphy.

Richard Eugene Kirts, Duluth

B.Aero.E. '65, University of Minnesota. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. T. E. Murphy.

Edmund William Simon, Williams-
post, Md.

B.S. '65, Penn State University. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. B. Y. H. Liu.

William Howard Kuretsky, Edina

B.S. with distinction '61, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: On the Use of an Aspirating Hot-film Anemometer for the Instantaneous Measurement of Temperature. Major Adviser: Prof. P. L. Blackshear.

Peter Francis Staats, Hopkins

B.S. '64, University of Wisconsin. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. Katsuhiko Ogata.

Master of Science in Medicine

Juergen Werner Hellmut Wollen-
weber, Krefeld, Germany

M.D. '60, University of Freiburg. Major: Medicine. Minor: Physiology. Thesis: Pool Size and Turnover of Bile Acids in Hypercholesteremic Dogs and Man With and Without the Administration of Nicotinic Acid. Major Adviser: Dr. J. J. Juergens.

Master of Science in Metallurgical Engineering

James Leonard Eriksson, Minneapolis
B.S. with distinction '60, Institute of Technology. Major: Metallurgical Engineering. Minor: Physical Chemistry. Thesis: Investigation of the Deformation Texture of Cold Rolled Low Carbon Steel. Major Adviser: Prof. M. E. Nicholson.

Master of Science in Mineral Engineering

Shri Bhagwan Mathur, Delhi, India
B.Sc. with honors '65, Indian School of Mines. Field of Concentration: Mineral Engineering. Major Adviser: Prof. W. D. Lacabanne.

Jeffrey Michael White, St. Paul
B.Sc. '63, University of Washington. Field of Concentration: Mineral Engineering. Major Adviser: Prof. E. P. Pfeider.

Master of Science in Obstetrics and Gynecology

John Milton Brown, St. Paul
M.D. '56, University of Minnesota. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: Vaginal Recurrence of Endometrial Carcinoma. Major Adviser: Dr. R. E. Symmonds.

Edward Olaf Jorgensen, Chicago, Ill.
M.D. '54, University of Minnesota. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: "Brenner Tumor of the Ovary." Major Adviser: Drs. J. S. Welch and R. B. Wilson.

Master of Science in Ophthalmology

Murray Wilson Lufkin, Rochester
M.D. '60, University of Minnesota. Major: Ophthalmology. Minor: Biophysics. Thesis: The Distribution of Digoxin-³H in the Ocular Tissues of the Cat. Major Adviser: Dr. J. W. Henderson.

John Anton Nilsen, Minneapolis
B.A. '53, St. Olaf College; B.S., M.D. '57, University of Minnesota. Major: Ophthalmology. Minor: Biophysics. Thesis: Experimental Ophthalmic Laser Coagulation. Major Adviser: Dr. T. G. Martens.

Master of Science in Orthopedic Surgery

Frank Emerson Jones III, Nashville, Tenn.
M.D. '58, University of Tennessee. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Fibrous Xanthoma of Synovium (Pigmented Nodular Synovitis) A Clinical and Pathologic Study. Major Adviser: Dr. M. B. Coventry.

Master of Science in Radiology

Roger Ellis Cupps, Rochester

B.A. *cum laude* '53, Harvard University; M.D. '57, University of Pennsylvania. Major: Radiology. Minor: Pathology. Thesis: The Roentgenologic Diagnosis of Lymphoma Primary in the Small Intestine. Major Adviser: Dr. J. H. Hodgson.

Master of Science in Surgery

Donald Jack Brown, Atlantic City,
N.J.

B.S. '57, Franklin and Marshall; M.D. '60, Hahnemann Medical College. Major: Surgery. Minor: Pathology. Thesis: Localized Mesotheliomas of the Pleura in Adults: A Clinicopathological Study. Major Adviser: Dr. O. T. Clagett.

John Lord Butsch, Buffalo, N.Y.

B.A. '56, Princeton University; M.D. '60, McGill University. Major: Surgery. Minor: Pathology. Thesis: Non-specific Ulcers of the Colon. Major Adviser: Dr. E. S. Judd.

Thomas Patrick Comer, New Brunswick, N.J.

M.D. '59, New York Medical College. Major: Surgery. Minor: Pathology. Thesis: Squamous Cell Carcinoma of the Colon. Major Adviser: Dr. O. H. Beahrs.

Nelson Moffett Fox Jr., Martinsville,
Va.

B.S. '51, Hampdon-Sydney College; M.D. '55, Medical College of Virginia. Major: Surgery. Minor: Pathology. Thesis: Acinic Cell Carcinoma of the Major Salivary Glands. Major Adviser: Dr. L. B. Woolner.

Master of Social Work

Elizabeth Goldenberg Haimson,
Minneapolis

B.A. '64, Northwestern University. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Jane Elizabeth Sanders, Ferring,
England

B.S. '64, London School of Economics. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Specialist in Education

Marlys Louise Blomquist, Minneapolis

B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. Bruce Balow.

Donald Philip Gauvin, North St. Paul

B.S. '50, Hamline University; M.Ed. '54, Macalester College. Field of Concentration: Educational Administration. Major Adviser: Prof. C. P. Hooker.

Rhoda Elaine MacKenzie, Blue
Island, Ill.

B.A. *magna cum laude* '62, Concordia College (Moorhead); M.A. '65, University of Minnesota. Field of Concentration: School Psychological Services. Major Adviser: Prof. W. W. Hartup.

Meta Maneks, Minneapolis

B.A. '59, M.A. '62, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. E. Dugan.

Doctor of Philosophy

Sister Ingrid Anderson, St. Joseph

B.S. '53, College of St. Benedict; M.S. '55, University of Minnesota. Major: Nutrition. Minor: Biochemistry. Thesis: The Effect of a 2,4-Diamino Pyrimidine Antagonist of Folic Acid on Fetal Development in the Rat. Major Adviser: Prof. L. M. Morse.

Carlos Preston Avery, Glenwood

B.Phys. with distinction '60, M.S. '65, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Mass Spectrometric Method for the Determination of Atom Reflection at Surfaces. Major Adviser: Prof. A. O. C. Nier.

Roger Lewis Barrett, Minneapolis

B.S. with distinction '57, M.A. '60, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: A Study of the Influence of Self-regard on Changes in Accuracy of Self-estimates Following the Reporting of Test Results. Major Adviser: Prof. W. H. Edson.

Jacob Beutel, Rumania

B.A. '55, University of Minnesota. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: The Rotational-Vibrational Spectrum of Asymmetric Top Molecules. Major Adviser: Prof. John Overend.

Edward Bonnie-Baffoe, Kumasi,
Ghana, West Africa

B.S. '60, Cornell University; M.S. '63, University of Minnesota. Major: Soil Science. Minor: Plant Physiology. Thesis: The Effects of Pressure and Oxygen Differentials Applied to Roots on Some Growth Characteristics of Corn Seedlings. Major Adviser: Prof. G. R. Blake.

Jayaram Damodar Borwanker,
Lucknow, India

B.S. '59, Meerut College. Major: Statistics. Minor: Mathematics. Thesis: Some Asymptotic Results for Stationary Processes. Major Adviser: Prof. G. B. Kallianpur.

John Hayden Boyd, Columbus, Ohio

B.A. '62, University of Chicago. Major: Economics. Minor: Supporting Program. Thesis: The Problem of External Diseconomies, with Special Emphasis on River Water Pollution. Major Adviser: Prof. Herbert Mohring.

Christopher William Brown, Maysville, Ky.

B.S. '60, M.S. '62, Xavier University. Major: Physical Chemistry. Minor: Inorganic Chemistry. Thesis: The Vibrational-Rotational Bands of Boron Trifluoride. Major Adviser: Prof. John Overend.

William Averill Brueske, Wayzata

B.A. '57, University of Minnesota. Major: Zoology. Minor: Microbiology. Thesis: The Diplosome of *Blastocrithidia culicis* (Novy, MacNeal, and Torrey, 1907) (Mastigophora: Trypanosomatidae). Major Adviser: Prof. F. G. Wallace.

Eleanor Grace Carlson, Austin

B.E. '36, St. Cloud State Teachers College; M.A. '49, Northwestern University. Major: Educational Psychology. Minor: Curriculum and Instruction. Thesis: An Investigation of the Effects of Developmental Reading Instruction in the Seventh and Eighth Grades. Major Adviser: Prof. G. L. Bond.

Ju Chun Chai, Taegu, Korea

B.S. '56, Kyong Puk University. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of the Demand and Price Structure of Wheat for Food by Classes in the United States. Major Adviser: Prof. R. P. Dahl.

Brian Holt Chollar, Kettering, Ohio

B.S. '61, Purdue University. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: The Synthesis and Optical Rotatory Dispersion of the 3-Thia-1,8,8-Trimethylbicyclo [3.2.1] Octane Oxides. Major Adviser: Prof. R. M. Dodson.

Hoo Sup Chung, Suwon, Korea

B.S. '54, Seoul National University; M.S. '57, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: Germination of Conidia and Reproduction in *Phoma herbarum* var. *medicaginis*. Major Adviser: Prof. R. D. Wilcoxson.

John Wyllie Coburn, Vancouver,
British Columbia, Canada

B.A. '56, M.A. '58, University of British Columbia. Major: Electrical Engineering. Minor: Mathematics. Thesis: Desorption of Adsorbed Gas from Surfaces by Low Energy Electron Impact. Major Adviser: Prof. W. T. Peria.

Sister Jeremy Coughlan, St. Paul

B.A. '46, College of St. Catherine; M.A. '59, University of Notre Dame. Major: English. Minor: Linguistics. Thesis: The Pre-Raphaelite Aesthetic and the Poetry of Christina Rossetti, William Morris, and William Butler Yeats. Major Adviser: Prof. C. H. Foster.

Charles Howard Cuykendall, Auburn, N.Y.

B.S. '62, Cornell University. Major: Agronomy. Minor: Supporting Program. Thesis: Response of Perennial Forages to Machine Defoliation vs. Sheep Grazing. Major Adviser: Prof. A. R. Schmid.

Caroline Mary Anne Czarnecki, Minneapolis

B.S. '50, Bemidji State College; M.A. '60, State College of Iowa. Major: Anatomy. Minor: Zoology. Thesis: A Multidisciplinary Study of the Chick Heart. Major Adviser: Prof. A. M. Carpenter.

Richard Sanford Elster, Lead, S.D.

B.A. '63, M.A. '65, University of Minnesota. Major: Psychology. Minor: Supporting Program. Thesis: An Investigation of the Assumptions Underlying Tilton's Overlap Statistic. Major Adviser: Prof. M. D. Dunnette.

David Edgar Fulkerson, Mora

B.S. with high distinction '63, M.S. '65, University of Minnesota. Major: Electrical Engineering. Minor: Supporting Program. Thesis: The Characterization of the Static Behavior of PN Junction Devices. Major Adviser: Prof. Allen Nussbaum.

David Morgan Gardner, Minneapolis

B.S.C. '58, University of Iowa; M.S. '64, University of Minnesota. Major: Business Administration. Minor: Psychology. Thesis: The Effect of Divided Attention on Responses to a Persuasive Marketing Communication. Major Adviser: Prof. R. J. Holloway.

Earl Carnley Gilmore, Jr., Bryan, Tex.

B.S. '52, M.S. '57, Texas A. & M. University. Major: Genetics. Minor: Agricultural Plant Physiology. Thesis: Composition of the Phenotypic Variance of Percent Protein in Hard Red Spring Wheat. Major Adviser: Prof. L. A. Snyder.

Bobby Blackburn Gowlland, La Crosse, Wis.

B.S. '51, Winona State College; M.A. '55, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: Changes in Student Teachers' Judgments of Teacher Behavior. Major Adviser: Prof. G. M. A. Mork.

Eva Horovitz Guggenheimer, Minneapolis

B.A. *magna cum laude* '62, M.A. '64, University of Minnesota. Major: Latin. Minor: Greek. Thesis: Patterns of Sound Repetition in Classical Latin Poetry. Major Adviser: Prof. R. P. Sonkowsky.

Jerry Dale Hinderman, Minneapolis

B.S. with distinction '62, M.S. in M.E. '64, University of Minnesota. Major: Mechanical Engineering. Minor: Hydrodynamics and Physics. Thesis: Competitive Combustion Reactions between Various Fluorocarbons Burning with Fluorine. Major Adviser: Prof. E. A. Fletcher.

Kathryn Louise Holm, Minneapolis

B.B.A. '41, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Descriptive Adjectives Associated with Measured Personality Characteristics of Liberal Arts College Freshmen. Major Adviser: Prof. R. F. Berdie.

Almon Gilmore Hoye, Jr., Minneapolis

B.S. '49, M.A. '59, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Effects of the Ramsey Multiple Schedule Program. Major Adviser: Prof. E. M. Birkmaier.

Iraj C. Jahanbagloo, Tehran, Iran

B.S. '56, University of Tehran; M.S. '60, University of Minnesota. Major: Geology. Minor: Geophysics and Civil Engineering. Thesis: Part I: The Crystal Structure of a Hexagonal Al-Serpentine. Part II: Calculated X-Ray Powder Patterns of Minerals. Major Adviser: Prof. Tibor Zoltai.

Ramanathan Jambunathan, Trichinopoly, India

M.A. '58, University of Madras, India; M.S. '64, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Study of Some of the Three Final Particle Reactions Induced by Li^0 on Be^0 . Major Adviser: Prof. R. K. Hobbie.

Alan Potter Johnson, Galesburg, Ill.

B.A. *cum laude* '53, Amherst College; M.A. '54, University of Michigan. Major: English Literature. Minor: Art History. Thesis: The Concept of the Italian Renaissance in Early Victorian Literature (1836-60). Major Adviser: Prof. G. R. Stange.

Charles Bruce Johnson, Sioux City, Iowa

B.S. '57, Iowa State University; M.S. '63, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Space Charge Limited Current in Gas Diodes. Major Adviser: Prof. H. J. Oskam.

Duane Eldon Johnson, Lake Norden, S.D.

B.A. '54, Huron College; B.A. '57, University of Minnesota; M.E. '60, South Dakota State University. Major: Psychology. Minor: Educational Psychology. Thesis: Characteristics of Entering Students as Measured by the Minnesota Counseling Inventory in Relation to Persistence in a Liberal Arts College. Major Adviser: Prof. R. F. Berdie.

James Clayton Kincannon, Bethesda, Md.

B.S. '55, Washington & Lee University. Major: Psychology. Minor: Neuropsychiatry. Thesis: Feasibility of Adopting a Personality Inventory for Use in the Mental Status Exam. Major Adviser: Prof. R. D. Wirt.

Stanley Shih-Tung King, Taipei, China

B.S. '57, Taiwan Normal University; M.S. '62, Drexel Institute. Major: Physical Chemistry. Minor: Mathematics. Thesis: Vibrational Spectra of the Difluorodiazines and Some Related Compounds. Major Adviser: Prof. John Overend.

Leedice McAnelly Kissane, Pocatello, Idaho

B.A. '26, Cornell College; M.A. '37, University of Idaho. Major: American Studies. Thesis: Ruth Suckow: Interpreter of the Mind of Mid-America (1900-1933). Major Adviser: Prof. M. C. Turpie.

Jerome Klein, New York, N.Y.

B.S. '57, M.S. '60, Syracuse University. Major: Genetics. Minor: Forestry. Thesis: Genetic Variance Estimation with Seedlings of Paper Birch (*Betula papyrifera* Marsh.). Major Adviser: Prof. S. S. Pauley.

Warren Willard Krech, South St. Paul, Minn.

B.S. '59, M.S.C.E. '61, University of Minnesota. Major: Civil Engineering. Minor: Geology and Rock Mechanics. Thesis: The Determination of the Mechanical Properties of Rock and Soil by Means of a Hollow Cylinder Loaded with External Pressure. Major Adviser: Prof. M. S. Kersten.

David Martin Kvernes, Howard, S.D.

B.A. '53, Augustana College; M.A. '60, University of Minnesota. Major: English. Minor: History. Thesis: A Critical Study of Fanny Burney. Major Adviser: Prof. S. H. Monk.

Marie Amelia Johnson Linder, Durham, N.C.

B.S. '60, University of Oregon; M.A. '63, University of Minnesota. Major: Psychology. Minor: Child Psychology. Thesis: Verbal Conditioning of Aggression in Doll Play: Comparison of the Effect of Two Therapeutic Tools on Aggression of Nursery School Boys in a Therapy-Like Situation. Major Adviser: Prof. R. D. Wirt.

Vincent Leo Lombardi, West Warwick, R.I.

B.S. '54, M.S. '61, University of Rhode Island. Major: Business Administration. Minor: Psychology. Thesis: Engineer Attitudes Toward Employment, Professionalism and Unionism. Major Adviser: Prof. George Seltzer.

Dahlard Lawrence Lukes, Glenville

B. of Appl. Math. '56, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Optimal Closed-Loop Control of Non-linear Dynamical Systems. Major Adviser: Prof. Lawrence Markus.

Michael John Maley, Jr., Minneapolis

B.S. '61, Massachusetts Institute of Technology. Major: Psychology. Minor: Research Design and Analysis. Thesis: A Study of the Relationship Between Three Indicators of Arousal: Skin Potential, Skin Conductance, and the Two-Flash Threshold. Major Adviser: Prof. D. T. Lykken.

Warren Leonard Mason, Keewatin

B.A. *cum laude* '59, M.A. '61, University of Minnesota. Major: Political Science. Minor: Sociology. Thesis: Cognitive Foundations of Stability in the Electoral Support of the British Labour Party. Major Adviser: Prof. J. E. Turner.

Patrick Gary McCormick, Milwaukee, Wis.

B.S. '62, Massachusetts Institute of Technology. Major: Analytical Chemistry. Minor: Organic Chemistry. Thesis: An Electrochemical Study of Nitrite and Oxide in Sodium Nitrate-Potassium Nitrate Eutectic Melts. Major Adviser: Prof. H. S. Swofford, Jr.

Andrew Russell McFarland, Carlton

B.S. with distinction '57, M.S. '60, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Comminution of Particulates by the Mechanism of Impaction. Major Adviser: Prof. K. T. Whitby.

Richard Robert Meierotto, Bayfield, Wis.

B.S. '58, College of St. Thomas; M.S. '60, Marquette University. Major: Fisheries and Wildlife. Minor: Botany. Thesis: The Distribution of Small Mammals Across a Prairie-Forest Ecotone. Major Adviser: Prof. J. R. Tester.

Thomas Edward Miller, Minneapolis

B.A. '62, M.S. '64, University of Minnesota. Major: Microbiology. Minor: Medical Biochemistry. Thesis: Immunological and Biochemical Characterization of Innate Bactericidal Substances. Major Adviser: Prof. D. W. Watson.

Ronald Warren Mitchell, St. Paul

B.S. '61, M.A. '65, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: A Comparison of Children's Responses to an Original and Experimental Form of Subtests GS and ND of the Gates Basic Reading Tests. Major Adviser: Prof. Theodore Clymer.

Beatrice Tolppi Moosally, Sebeka

B.S. '58, M.A. '61, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: The Effects of Delayed Reinforcement in Programmed Instruction with Kindergarten Children. Major Adviser: Prof. Maynard Reynolds.

Kshounish Chandra Nag, Calcutta, India

B.S. '53, Calcutta University; B.S. '56, M.S. '58, Banaras Hindu University. Major: Agronomy. Minor: Agricultural Plant Physiology. Thesis: Effect of Various Cropping Systems in a Crop Rotation Study on Crop Performance and Weed Content. Major Adviser: Prof. A. R. Schmid.

Lois Majorie Neukirch, New York, N.Y.

B.A. '53, Hunter College; M.Ed. '56, Kent State University. Major: Anatomy. Minor: Pathology. Thesis: Foa-Kurloff Cells Cultured with Selected Radioactive Compounds. Major Adviser: Prof. R. D. Sundberg.

Charles Miller Nolte, Wayzata

B.A. '46, Yale University; M.A. '63, University of Minnesota. Major: Theatre Arts. Minor: Scandinavian. Thesis: The Role of Masochism in German Drama, 1900-1925. Major Adviser: Prof. F. M. Whiting.

Robert Lee Norgren, Cloquet

B.S. '59, M.S. '63, University of Minnesota. Major: Plant Pathology. Minor: Supporting Program. Thesis: Investigations on the Biology of the Soil Inhabiting Nematode *Tetylenchus joctus* Thorne. Major Adviser: Prof. M. F. Kernkamp.

Peter Cecil Owzarski, Rothschild, Wis.

B.S. with honors '62, University of Wisconsin. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Structured Liquids Near Solid Interfaces. Major Adviser: Prof. W. E. Ranz.

David Dean Ramsey, Brookfield, Ohio

B.B.A. '61, M.B.A. '62, University of Cincinnati. Major: Economics. Minor: Business Administration. Thesis: Optimal Financing of Local Government Capital Projects. Major Adviser: Prof. O. H. Brownlee.

Joseph Leo Rigatuso, Omaha, Neb.

B.A. '59, University of Omaha. Major: Anatomy. Minor: Zoology. Thesis: A Biochemical and Histochemical Study of Normal Rat Liver Glucose-6-Phosphatase. Major Adviser: Prof. Arnold Lazarow.

Jay Kent Rinehart, Xenia, Ohio

B.S. '62, University of Cincinnati. Major: Organic Chemistry. Minors: Inorganic and Physical Chemistry. Thesis: Substituted Indenes as Precursors to Metacyclophanes. Major Adviser: Prof. W. E. Parham.

Mary Anna Rosekrans, Minneapolis

B.A. '62, M.A. '63, University of Minnesota. Major: Child Psychology. Minor: Educational Psychology. Thesis: Vicarious Reinforcement and the Acquisition and Performance of Imitative Responses as a Function of Perceived Similarity to a Social Model. Major Adviser: Prof. Willard Hartup.

Hertha Joan Schulze, Minneapolis

B.A. '56, University of Minnesota; M.A. '59, Radcliffe College. Major: Speech and Theatre Arts. Minor: Art. Thesis: The Influence of Medieval Scholasticism on Four Fifteenth Century French Dramas. Major Adviser: Prof. K. L. Graham.

Abdalla Mahmoud Soliman, Edfou, Egypt, UAR

B.A. '55, Cairo University; M.A. '64, University of Minnesota. Major: Educational Psychology. Minor: Sociology. Thesis: A Study of the Relationships Between Creativity, Social Class, Social Mobility, and Vocational Goals of High School Seniors. Major Adviser: Prof. E. P. Torrance.

Jerome Skye Stromberg, St. Louis, Mo.

B.A. '58, Wheaton College; M.A. '62, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: The Family and Its Kinship, Quasi Kinship, and Friendship Network: An Exploratory Study of Middle and Working Class Families. Major Adviser: Prof. R. L. Hill.

Theodore Joseph Szczech, Minneapolis

B.S. '61, M.S. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The BaO-Ni Matrix Cathode Formed by the Nicklate Technique. Major Adviser: Prof. D. E. Anderson.

George P. Taylor, Jr., Sidney, Neb.

B.A. '58, Midland College; M.A. '59, University of Chicago. Major: Psychology. Minor: Neuropsychiatry. Thesis: Predicted versus Actual Responses to Spinal Cord Injury: A Psychological Study. Major Adviser: Prof. P. F. Briggs.

Irving Holt Wallace, Oshkosh, Wis.

B.B.A. with distinction '39, M.A. '48, University of Minnesota. Major: Business Administration. Minor: Psychology. Thesis: New-Product Planning Procedure. Major Adviser: Prof. E. H. Lewis.

Marshall Ben Wallach, Buffalo, N.Y.

B.S. '62, Columbia University. Major: Pharmacology. Minor: Biochemistry. Thesis: A Study of the Negative Inotropic Actions of Several Indirectly Acting Sympathomimetic Amines. Major Adviser: Prof. F. E. Shideman.

Charles Sidney Weaver, University City, Mo.

B.A. '62, Harvard University. Major: Mathematics. Minor: Economics. Thesis: On the Isometric Deformation of Riemannian Manifolds in Euclidean Space. Major Adviser: Prof. Alfred Aepli.

Merle Wesley Wing, Ithaca, N.Y.

B.S. with distinction '39, University of Maine. Major: Entomology. Minor: Zoology. Thesis: A Taxonomic Revision of the Nearctic Genus *Acanthomyops* Mayr (Hymenoptera: Formicidae). Major Adviser: Prof. E. F. Cook.

Carolyn Jean Zahn, Sturgeon Bay, Wis.

B.A. '62, University of Wisconsin. Major: Child Psychology. Minor: Psychology. Thesis: The Effects of Manipulation of Cues on Discrimination Learning Under Delayed Reinforcement. Major Adviser: Prof. J. C. Wright.

Doctor of Philosophy in Surgery

John Otis Simenstad, Osceola, Wis.

B.A. '50, Carleton College; M.D. '54, Johns Hopkins University. Major: Surgery. Minor: Pathology. Thesis: An Experimental Study of Surgical Respiratory Complications Treated with Tracheobronchial Lavage. Major Adviser: Dr. J. F. Perry.

Academic Costume

On appropriate occasions, anyone with a college or university degree may wear academic costume consisting of a gown, a hood, and a cap. By observing the kind of academic costume a person wears, it is possible to know the name of the University from which he graduated, as well as the degree which he holds, and, in some cases, the field of his major interest as well.

The long pointed sleeve of the gown indicates a Bachelor's degree, the long closed sleeve with a slit for the arm indicates a Master's degree, and the open sleeve marks a Doctor's degree. Bachelors' and Masters' gowns are black in color and are without any trimming. Generally, the Doctor's gown is black also, but some universities, particularly those abroad, prescribe such festive colors as red, crimson, or green. All Doctors' gowns have velvet trimming on the front facings and crossbars on the sleeves. This trimming may be black, or it may match the color of the edging of the hood and thus identify the profession or field of major interest of the wearer.

At a commencement it is quite proper to wear the gown—but not the hood—appropriate for the degree which is to be received. The only hoods worn at commencements are for degrees which have already been received. Thus only those students and faculty members who have already received college or university degrees wear hoods. Anyone who has a degree from the University of Minnesota may wear a hood decorated with a maroon chevron on gold background. The length and shape of the hood indicates whether the wearer has earned a Bachelor's, a Master's, or a Doctor's degree. The velvet edging on the hood indicates the field in which the degree was granted. For example, dark blue signifies Philosophy; light blue, Education; green, Medicine; lilac, Dentistry; orange, Engineering; russet, Forestry; drab, Business; olive green, Pharmacy; purple, Law; gray, Veterinary Medicine; golden yellow, Science; and white, Arts and Letters.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidates are honors students.

Caps, generally mortarboards with tassels, have significance, too. The Doctor's tassel may be black or gold. Masters' and Bachelors' tassels are black; but at University of Minnesota commencements—upon the authority of the University Senate Committee on Functions—candidates for the Bachelors' and Associates' degrees wear tassels which indicate their schools or colleges by color as follows:

(In the order of march)

General College	crimson and white
College of Liberal Arts	white
University College	old gold and white
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize

College of Education	light blue
School of Business Administration	drab
Law School	purple
College of Medical Sciences	green
Graduate School	black

But once the Bachelor's degree has been received and the commencement is over, the graduate, should he wear academic costume again, will wear only the black tassel as does the holder of the Master's degree. Similarly, he will not in the future wear the shoulder insignia as a part of his academic dress even if he is an honor graduate. All graduates of the University should remember that the academic dress at this University conforms to the rules of the Intercollegiate Bureau of Academic Costume. This means that Minnesota academic costume may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.

President's Reception

MARCH 1967

- The members of the graduating class, their families and friends, are invited to attend the President's Reception immediately after the commencement exercises. The Reception will be held in the main ballroom of the Coffman Memorial Union. Refreshments will be served.
- Those in the receiving line will be President and Mrs. Wilson, Minnesota Student Association President and Mrs. Howard Kaibel, Alumni Association President and Mrs. Hardell, Regents' Professor and Mrs. Tate, and Mr. Justin H. McCarthy, Secretary-Treasurer, Coffman Union Board of Governors.
- Assisting in the Reception are students and staff members, including those from the Senate Committee on University Functions, Mortar Board—Honorary Leadership Society, the Air Force ROTC, and the Department of University Relations.



UNIVERSITY OF MINNESOTA

June Commencement, 1967

SATURDAY EVENING, JUNE 10, 7:30 P.M.

MEMORIAL STADIUM

The Board of Regents

The Honorable Lester A. Malkerson, Minneapolis
First Vice President and Chairman

The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior
Second Vice President

The Honorable Elmer L. Andersen, St. Paul

The Honorable Daniel C. Gainey, Owatonna

The Honorable Albert V. Hartl, Fergus Falls

The Honorable Herb L. Huffington, M.D., Waterville

The Honorable Fred J. Hughes, St. Cloud

The Honorable Charles W. Mayo, M.D., Rochester

The Honorable William K. Montague, Duluth

The Honorable George W. Rauenhorst, Olivia

The Honorable Otto A. Silha, Edina

The Honorable Herman F. Skyberg, Fisher

Dr. O. Meredith Wilson, President

Dr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and sixteenth birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the young people of today to become the leaders of tomorrow. Each year our graduates leave our campuses to add new skills and knowledge to the existing resources of our state. They have been trained here as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, farmers, businessmen—to name only some of the careers for which preparation is offered. Since its founding, the University has awarded more than 194,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to nearly 44,000 students annually on its Minneapolis–St. Paul, Duluth, Morris, Crookston, and Rochester campuses, the University offers, through its Schools of Agriculture and its General Extension Division, specialized training designed to assist those who wish to study on a part-time basis. It offers further educational opportunity throughout the state by providing county agents, home agents, 4-H club agents, and recreation and health consultants who give effective instruction to residents of the state in their own homes.

In the diversified research laboratories on the University's six campuses, at the several agricultural experiment stations scattered throughout the state, at the Rosemount Research Center, the Cloquet Forest Research Center, the Cedar Creek Natural History Area near Bethel, the Fruit Breeding Farm and the Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, the Hormel Institute at Austin, and at University Hospitals, University scientists are working on countless research experiments of vital importance to the future health and welfare of us all. These projects, of which only a few are mentioned here, are concerned with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and development of new varieties of grains, fruits, and flowers.

THE UNIVERSITY is acknowledged to be the cultural hub of the Northwest. It is the home of the University Artists Course, Radio Station KUOM, the University of Minnesota Television Hour, the University Theatre, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings renowned artists and lecturers to more than a million and a half persons living in the area it serves.

The people of Minnesota are proud of their University, not only because it is one of the leading state universities in the nation, but also because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in the University is a dynamic thing and expresses itself in many ways. Contributions from them have made it possible for the Variety Club Heart Hospital and the great Mayo Memorial Build-

ing to be constructed. Through the American Legion and its auxiliary posts all over the state, thousands of friends have made generous donations to provide an endowed research professorship in heart disease. Generous contributions have built the Masonic Memorial Hospital, the Veterans of Foreign Wars Cancer Research Center, and Diehl Hall (which houses the biological-medical library and additional medical research facilities).

Equally generous have been the contributions made by corporations, associations, foundations, trade unions, clubs, and individuals, whose tireless efforts have made hundreds of scholarships and fellowships available to promising students each year. Chiefly because of financial difficulties, only one-half of the state's high school graduates of marked ability enter any college or university. Friends and supporters of the University, recognizing the need to alleviate this situation, continuously try to increase the number of scholarships and the amount of money available for scholarship assistance.

As it meets the needs of present students, the University must also make plans for those of the future. The 43,997 students who enrolled at the University at the beginning of the 1966-1967 academic year represented nearly one-half of Minnesota's college-level enrollments. They underline the fact that there are limits to the University's physical capacity. Future enrollments must be adjusted to those limits. In the fall of 1965, for the first time in its history, the University instituted an admissions policy based on controlled growth of total enrollment. This change in admissions requirements held the 1966-1967 enrollment to about 44,000 students. It reflects the University's need for more teachers, more land, and more buildings. And it makes plain the University's determination to maintain the educational quality that has made it one of America's leading educational institutions.

THE 1965 LEGISLATURE granted the University \$81,300,000 for general operations and maintenance during the 1965-1967 biennium. In addition, the University received \$9,083,223 for University Hospitals; \$6,833,887 for special appropriations, including special extension and research activities; \$15,820,656 for new buildings, land, and the rehabilitation of existing buildings; and \$1,240,000 for the University of Minnesota, Morris.

Each year the University publishes and widely circulates a summary financial statement, which is available to anyone upon request, as is a much more comprehensive and complete statement for those who wish to make a special study of the University's income and expenditures.

The summary financial statement of 1965-1966 showed that the University's current income and expenditures amounted to \$150,738,945.58. Of the total received, \$15,647,291.27 came from student tuition and fees; \$20,023,300.63 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theatre receipts and the sale of bulletins and agricultural products; \$1,673,200.41 from intercollegiate athletics; \$21,659,432.05 from such services as the dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, and the Health Service; and \$7,937,650.10 from corporations, foundations, individuals, and endowment income for instruction, research, prizes, scholarships, and the care of the sick. Also \$34,462,190.42 came from the federal government for instruction, research, and agricultural extension. The state provided \$49,335,880.70 or 32.7 per cent for the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$13,814,966.

Commencement marks only the conclusion of the individual's academic life at the University. As a graduate, he contributes to its history and participates in its aspirations. Alumni are urged to continue their affiliation with the University through the Minnesota Alumni Association and its college groups. Also, support is urged for the University of Minnesota Alumni Fund, administered in the Alumni Office in Coffman Memorial Union, and the various Special Project Programs, including scholarships, medical and technological research, and college service funds, which are administered by the Department of University Relations, Morrill Hall.

Alumni, their families, and their friends are always welcome here. The University hopes they will return frequently to visit the campus and to renew cherished ties.

Order of Events*

ASSEMBLING OF THE AUDIENCE: As degree candidates and their families and friends reach the Minneapolis Campus of the University this evening from 6:30 to 7:00 p.m., they will hear the Frances Miller Brown Memorial Bells played from Northrop Memorial Auditorium by Mrs. James Whipkey, Graduate Student, University Carillonneur. The Commencement Exercises in Memorial Stadium are open to all; guest cards are not necessary. All open entrances on the east and south sides of the Stadium may be used.

PRELUDE CONCERT: From 7:00 to 7:30 p.m., the University Concert and Symphony Bands, conducted by Associate Professor of Music and Bandmaster Frank P. A. Bencriscutto, A.Mus.D., will play:

<i>Beguine for Band</i>	- - - - -	Glenn Osser
<i>Jubilation Overture</i>	- - - - -	Robert Ward
<i>Mary Poppins Selections</i>	- - - - -	Richard Sherman

PLACEMENT OF FLAGS: During the Prelude Concert, students carrying the flags of seventy-four countries will enter the Stadium through the processional entrance. The International Student Council has arranged for foreign students to carry the flags of their respective nations. These flags, which will be placed on either side of the platform, represent the countries of some 1,300 foreign students who are at the University. The United States flag and the flag of the State of Minnesota, as is customary, will be presented as a part of the Commencement ceremony itself. The number of students from foreign lands who are taking courses at the University, and their presence on the campus today, illustrate the extent to which our nation and our major universities are involved in international relationships. The flags which will be placed this evening represent the following countries:

Afghanistan	Brazil	Chile
Argentina	Burma	Colombia
Australia	Cameroon	Costa Rica
Austria	Canada	Cyprus
Belgium	Central African Republic	Denmark
Bolivia	Ceylon	Dominican Republic

* In the event of heavy rain, Commencement Exercises will be held in Northrop Memorial Auditorium. However, only the members of the graduating class will be in the Auditorium. Each graduate has been issued two rain guest cards. Guests holding these cards may go to the location designated on their cards where they can listen to the Exercises. All our guests should know that the Commencement Exercises will be carried live on KUOM, beginning at 7:30 p.m., and may be listened to from any radio that is available.

Ecuador	Korea	Saudi Arabia
Ethiopia	Kuwait	Singapore
Finland	Lebanon	South Africa
France	Libya	Spain
Germany	Malaysia	Sudan
Ghana	Mexico	Sweden
Greece	Morocco	Syria
Haiti	Netherlands	Tanzania
Iceland	New Zealand	Thailand
India	Nicaragua	Turkey
Indonesia	Nigeria	Uganda
Iran	Norway	United Arab Republic
Iraq	Pakistan	United Kingdom
Israel	Panama	Upper Volta
Italy	Peru	Venezuela
Jamaica	Philippines	Viet-Nam
Japan	Poland	Yugoslavia
Jordan	Republic of China	Zambia
Kenya	Republic of the Congo	

PROCESSION: At 7:30 p.m. the Mace Bearer, Professor David K. Berninghausen, M.A., College of Liberal Arts, will climb the stairs to the platform, thus heralding the beginning of the academic procession. The procession includes candidates for degrees, marching by colleges, the faculty, distinguished guests, and the Regents. The line of march for degree candidates is as follows: Department of Military Science; Department of Naval Science; Department of Aerospace Studies; General Extension Division; General College; College of Liberal Arts; University College; College of Biological Sciences; Institute of Technology; College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; College of Education; School of Business Administration; College of Pharmacy; Law School; College of Veterinary Medicine; School of Dentistry; College of Medical Sciences; and the Graduate School. Faculty Marshals are Professor Berninghausen; Professor Samuel T. Coulter, Ph.D., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Professor Frank E. DiGangi, Ph.D., College of Pharmacy; and Associate Professor Forrest J. Harris, M.A., General College. During the procession the Bands will play:

Festival Prelude - - - - - Alfred Reed

PRESENTATION OF COLORS: Following the procession, the Color Guard, made up of University Army, Navy, and Air Force ROTC Cadets and Midshipmen, will present Colors. The audience will rise for the Colors, and will remain standing for the National Anthem and the Invocation.

THE NATIONAL ANTHEM: The entire audience, standing, and Professor Roy A. Schuessler, M.M., Department of Music, soloist:

O, say! can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
O, say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

INVOCATION (the audience still standing): The Reverend Clyde Steckel, Ph.D., Campus Ministry Staff, United Campus Christian Fellowship.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA: President O. Meredith Wilson, Ph.D.

CONFERRING OF ROTC CERTIFICATES: Vice President William G. Shepherd, Ph.D., Academic Administration, will introduce Colonel William D. Beard, USA, Professor of Military Science; Captain James M. Marshall, USN, Professor of Naval Science; Lt. Colonel James Suttie, USAF, Professor of Aerospace Studies, who will present the candidates for commissions in their respective services. The certificates of ROTC completion will be presented by President Wilson.

PRESENTATION OF CANDIDATES: Vice President Shepherd will introduce the deans of the several colleges or their representatives who will present to President Wilson the candidates for certificates and degrees. They are, in order of their introduction, Dean Willard L. Thompson, Ph.D., General Extension Division; Acting Dean Alfred L. Vaughan, Ph.D., General College; Dean E. W. Ziebarth, Ph.D., College of Liberal Arts; Associate Professor Frank T. Benson, Jr., Ph.D., University College; Dean Richard S. Caldecott, Ph.D., College of Biological Sciences; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Dean Sherwood O. Berg, Ph.D., Institute of Agriculture; Associate Dean Stanley B. Kegler, Ph.D., College of Education; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Dean Lawrence C. Weaver, Ph.D., College of Pharmacy; Dean William B. Lockhart, S.J.D., Law School; Dean William T. S. Thorp, D.V.M., College of Veterinary Medicine; Assistant Dean Mellor R. Holland, M.S.D., School of Dentistry; Dean Robert B. Howard, M.D., College of Medical Sciences; Dean Bryce Crawford, Jr., Ph.D., Graduate School.

CONFERRING OF DEGREES: President Wilson will confer certificates and degrees upon the members of this graduating class.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Mr. Waldo E. Hardell, B.S., President of the Minnesota Alumni Association.

PRESENTATION OF DIPLOMAS: With Vice President Stanley J. Wenberg, M.A., Educational Relationships and Development, presiding, all members of the June graduating class will move to the stage to receive their diplomas. Assisting the deans of the several colleges in the presentation of diplomas are Professor Robert C. Slater, B.S., General Extension Division; Assistant Dean Norman W. Moen, Ph.D., General College; Associate Dean John D. Hurrell, Ph.D., College of Liberal Arts; Professor Morris E. Nicholson, Jr., Sc.D., University College; Professor Max O. Schultze, Ph.D., College of Biological Sciences; Professor Clifford N. Wall, Ph.D., Institute of Technology; Assistant Dean Keith N. McFarland, Ph.D., Institute of Agriculture; Associate Dean Marcia Edwards, Ph.D., College of Education; Associate Dean Nicholas A. Glaskowsky, Ph.D., School of Business Administration; Professor Ole Gisvold, Ph.D., College of Pharmacy; Professor Bruno H. Greene, LL.B., Law School; Associate Dean Robert K. Anderson, D.V.M., College of Veterinary Medicine; Professor James R. Jensen, D.D.S., School of Dentistry; Associate Dean H. Mead Cavert, M.D., College of Medical Sciences; Associate Dean Francis M. Boddy, Ph.D., Graduate School.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: President Wilson will confer the degrees upon the candidates. As each new Doctor of Philosophy is invested with his academic hood, he will be presented individually by Dean Crawford.

HAIL! MINNESOTA: The University's Alma Mater song, sung by the audience and Professor Schuessler, soloist:

Minnesota, hail to thee!	Like the stream that bends to sea,
Hail to thee, our college dear!	Like the pine that seeks the blue,
Thy light shall ever be	Minnesota, still for thee
A beacon bright and clear;	Thy sons are strong and true;
Thy sons and daughters true	From thy woods and waters fair,
Will proclaim thee near and far;	From thy prairies waving far,
They will guard thy fame	At thy call they throng
And adore thy name;	With their shout and song,
Thou shalt be their Northern Star.	Hailing thee their Northern Star.

AULD LANG SYNE: The Frances Miller Brown Memorial Bells.

(There will be no Recessional)

Candidates for Commission

Subject to the completion of all curriculum requirements at the close of the spring quarter, commissions will be presented to those listed below and to such others as may meet the requirements for the Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Adjutant General Corps

Russell L. Hollingsworth, Minneapolis Louis F. Poirier III, White Bear Lake

Second Lieutenant, Armor

Tibor M. Gallo, Ironwood, Mich.

Second Lieutenant, Medical Service Corps

Thomas G. Armstrong, St. Paul

Second Lieutenant, Ordnance Corps

Paul D. Finsness, Minnetonka Edwin K. Okamoto, Wailuku, Hawaii

Second Lieutenant, Quartermaster Corps

Frederick J. Cluskey, Brimfield, Ill. Lyle C. Laturno, St. Paul
Warren W. Hinze, St. Paul

Second Lieutenant, Transportation Corps

Dale P. Gustafson, Hopkins James F. Malloy, North St. Paul
John R. Haas, Edina

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Edward H. Ayd, St. Paul
James R. Dybdal, St. Paul
Curtis W. Frandsen, St. Paul
Michael M. Heffernan, Milbank, S.D.
Glenn D. Hemme, Hardwick
William J. Hoban, Arlington Heights,
Ill.
Charles E. Knigge, Burnsville

Glenn E. Nordling, Hallock
Richard G. Pearson, McKeesport, Pa.
James M. Skelly, Bayport, N.Y.
Wickham G. Smith, Whittier, Calif.
Edward C. Stelberg, St. Paul
Laramie M. Winczewski, Dickinson,
N.D.

Ensign, USNR

Gary A. Farness, Bloomington

Ensign, SC, USNR

David A. Wlaschin, Stillwater

Second Lieutenant, USMC

Grant P. Gustafson, Excelsior

Second Lieutenant, USMCR

Terrence M. Keegan, Bloomington

DEPARTMENT OF AEROSPACE STUDIES

Second Lieutenant, USAF Reserve

Roger H. Asp, Robbinsdale
James H. Bryant, Zimmerman
Roy T. Carlson, Jr., Minneapolis
James R. Crassweller, Duluth
James C. Dimond, St. Paul
Robert D. Donaldson, Anoka
Richard J. Hampton, Hastings

Richard L. Kugler, Minneapolis
Michael J. Lamb, Minneapolis
Robert C. Mack, Pulaski, Va.
John B. Stranberg, Minneapolis
James V. Tennessen, Lismore
Herman W. Vogt, Jr., Owosso, Mich.

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of the spring quarter, degrees will be conferred as indicated on those listed below and upon such others as may meet the graduation requirements.

GENERAL EXTENSION DIVISION

Accounting Certificate

Ronald Francis Brandon, Minneapolis

Business Administration Certificate

Daniel George Liemandt, Jr., Minneapolis
Peter Josann Masica, Minneapolis

Electrical Engineering Aide Certificate

Glenn Douglas Erickson, Minneapolis

Engineering Science Certificate

J. Merle Gray, Coon Rapids
Bruce Eugene Greene, New Brighton

Delbert James Klatt, Minneapolis
Alexander Polec, Minneapolis

Industrial Engineering Certificate

Arnold Philip Haglund, Minneapolis

Associate in Mortuary Science

Steven John Baker, Mayville, N.D.
Richard Paul Beil, Marion, Wis.
Robert James Benson, Worthington
Jon Thomas Bertas, Minneapolis
Albert Wallace Bies, St. Paul
James W. Bond, Fort Dodge, Iowa
Gary Raymond Carlson, Milnor, N.D.
John David Chambley, Tifton, Ga.

Wallace Gene Christ, Lakota, Iowa
Richard Charles Collins, Middle River
Robert Michael Dahl, A.A., Minneapolis
Steve Edward Demarais, B.S., Red Lake Falls
Ward Earle Dunn, B.A., St. Ansgar, Iowa

Ross Tenney Eeg, Greenbush
 Henry Epstein, Sioux Falls, S.D.
 James Robert Ewald, Minneapolis
 Daniel Joseph Fortin, Brunswick,
 Maine
 Dennis Richard Fulton, A.A., Whit-
 ten, Iowa
 Daniel Brian Garrity, Prairie du Chien,
 Wis.
 Ralph Frederick Hamblett, Newport,
 Vt.
 Mark Arley Helgeson, Roseau
 Steven Iver Howie, A.A., St. Paul
 James Clayton Johnson, Litchfield
 Richard Henry Jungas, Mountain Lake
 Daniel Peter Knaeble, Minneapolis
 Gene David Larson, Brainerd
 James Arneson Lee, Bricelyn
 Keith Maynard Leiseth, B.A., Buffalo
 Vane Lamar Lindsay, B.S., Bernie,
 Mo.
 Bruce George Lines, Sandpoint, Idaho
 Daniel Clay Maneval, Williamsport,
 Pa.
 Michael Clark Mathews, Columbus,
 Neb.
 Patrick Michael McLaughlin, Minne-
 apolis
 Claude A. Miller III, B.S., Wichita,
 Kan.
 Robert Eugene Morris, Minneapolis
 John Joseph Morrisette, North St.
 Paul
 Arthur William Parent, Petaluma,
 Calif.
 Evelyn Lucille Randall, Pelican Rapids
 William O. Rathert, B.S., Wolf Point,
 Mont.
 John C. Rehkamp, Marshall
 Fred Thomas Rowley, Jr., Lebo, Kan.
 James Anthony Schaefer, Smithfield,
 Neb.
 Dwight Arthur Simonson, B.S., New-
 man Grove, Neb.
 James Vilo Sinkbeil, Parkston, S.D.
 Michael George Skorich, B.S., Marble
 Emery Thomas Lowell Smith, Gowrie,
 Iowa
 Frederick Charles Soman, B.S., Mont-
 fort, Wis.
 Frederick John Tessmer, Fredericks-
 burg, Iowa
 Gerald David Thill, Minneapolis
 Warren James Tollefson, Moorhead
 Thomas McIntyre Vertin, Brecken-
 ridge
 William Jerome Weigel, B.S. Pharm.,
 Napoleon, N.D.
 Carter Orin Wiese, Minneapolis
 Thomas Joseph Williams, St. Cloud
 Daniel Wisnieski, Schuyler, Neb.
 Dexter Frank Yates, Coeur d'Alene,
 Idaho

GENERAL COLLEGE

Associate in Arts

Gary Carl Abelson, St. Paul
 Thomas Dale Abrahamson,
 Minneapolis
 Janis Akmentins, Minneapolis
 Alan Lee Anderson, Golden Valley
 Diane June Anderson, Minneapolis
 Jon Brian Anderson, Robbinsdale
 Kristine Lee Anderson, Minneapolis
 George Richard Ballenger, Minne-
 apolis
 Totiana Alana Benham,
 Minneapolis
 James William Bennek, Minneapolis
 Bruce Eugene Berggren, St. Paul
 Betty Joan Bloomquist,
 Minneapolis
 Donald Curtis Bohn, St. Paul
 Elizabeth Jean Bonney, Columbia
 Heights
 Kathryn Marie Brink, St. Paul
 Judith Sondra Bush, Minneapolis
 Ronald Jay Butwin, St. Paul
 John Robert Calhoun, Minneapolis
 Kevin Anthony Campbell, St. Paul

Cynthia Ann Carr, Robbinsdale
 Mary Ann Edworthy Carver, St. Paul
 David Eugene Clark, Minneapolis
 Lee Marcellus Clemons, St. Paul
 Donald Horace Clifford, Anoka
 Antoinette Sherily Coccharella, St. Paul
 Thomas Wayne Coles, Minneapolis
 Ralph Richard Curtis, Minneapolis
 Carolyn Mae Dahl, Richfield
 Clifford John Dalbec, Wayzata
 Phillip Thomas De Stasio, St. Paul
 Steven Charles Dressel, Minneapolis
 Harold Keith Dudley, Excelsior
 Richard R. Erie, Minneapolis
 Richard Edward Evans, Minneapolis
 John Edmond Falk, Minneapolis
 Sandra Kay Ford, Savage
 David Sheldon Fox, Hastings
 Glenn Willard Franke, West St. Paul
 Margo Miller Friedman, St. Paul
 Judith Jean Galvin, St. Paul
 Carol Jean Garnett, St. Paul
 Gregory William Giesen, St. Paul
 James Richard Gillis, Coon Rapids
 Cynthia Sue Glidden, Hallock
 Galen Wiley Graham, Minneapolis
 Rita Pearl Gurewitz, Minneapolis
 Guy Milton Gustafson, Mound
 Nancy Lee Gustafson, Minneapolis
 Dennis William Hagen, St. Paul
 James Donald Hanson, Minneapolis
 Gary Bruce Hargreaves, Minneapolis
 Donald Owen Harris, Hastings
 Robert William Harris, North St. Paul
 Ronald Earl Hart, Bloomington
 Patti Mae Hedin, Hopkins
 Susan Elizabeth Heimbach, St. Paul
 Cynthia Jean Hemmingsen, Minneapolis
 Richard George Hilgert, St. Paul
 Carolyn Ruth Hoffman, Danube
 David Edward Holmgren, St. Paul
 Joan Mary Howat, North St. Paul
 Barbara Mary Howe, Minneapolis
 Danny Craig Iverson, Toledo, Ohio
 Thomas Edward Jadwin, Minneapolis
 John Jantschik, Minneapolis
 Judith Ann Jarosak, Minneapolis
 Thomas Michael Jenkins, St. Paul
 Kenneth Allen Jensen, Minneapolis
 Barbara Ann Johnson, Edina
 Earl LeRoy Johnson, Minneapolis
 Jeffrey Allen Johnson, West St. Paul
 John Albert Johnson, St. Paul
 Rory Kathleen Jones, Minneapolis
 James Spencer Jorgensen, Minneapolis
 Ronald Bernard Kane, St. Paul
 Clayton Walter Kemp, St. Paul
 Frederick Malmrose King, St. Louis Park
 Glenice Elenora Kleven, Minneapolis
 Theodore William Klohs, Jr., Minneapolis
 Gregg Charles Kosanke, South St. Paul
 Gerald Melvin Krebs, Minneapolis
 Gary Arthur La Palme, Minneapolis
 Patrice B. LaTourelle, Minneapolis
 Kathleen Ann LaVelle, Hopkins
 David Michael Lee, Minneapolis
 Michael John Leigh, St. Paul
 Ernest James Lepore, Minneapolis
 Richard Peter Lindberg, Crystal
 Mary Kathryn Maas, Minneapolis
 James Michael Majewski, Robbinsdale
 John Andrew Malinsky, Richfield
 James Joseph Marinar, Jr., St. Paul
 Donald Ivan Martinson, Minneapolis
 Gary Allen McConnell, Minneapolis
 Gary Evan McGaughey, Minneapolis
 Catherine Ann McGraw, Minneapolis
 Kris Ann McNamara, Minneapolis
 Mary Ann Mellen, Minneapolis
 Janice Elaine Merkel, Robbinsdale
 Kenneth Walter Meyer, St. Paul
 Jerrilynn E. Minter, Minneapolis
 Dennis Allen Moeller, Hopkins
 Donald Allen Moffat, Superior, Wis.
 Darrell Bruce Montbriand, St. Paul
 Terry Albert Moreno, South St. Paul
 Joseph James Mueller, St. Paul
 John Robert Murray, Wadena
 David John Myren, Minneapolis
 Paul Michael Naumann, St. Paul
 Mary Jolene Nelson, Minneapolis
 Stephen Jerome Nelson, Minneapolis
 John Britton Newell, Minneapolis
 John Joseph Nicosia, Jr., St. Paul
 Curtis Allen Nix, South St. Paul

Lawrence Edward Okeson, Minneapolis
 Ronald Orville Olson, Alexandria
 Marilou Frances O'Reilly, Richfield
 Michael Bruce Ostrow, St. Louis Park
 Rita Miller Parvey, Minneapolis
 Annette Marie Patenaude, Lakeville
 Craig Joseph Pauling, St. Paul
 Ronald Dean Payne, New Brighton
 Charles Edward Peck, New Brighton
 Bertwood Norman Pendleton, Redwood Falls
 Thomas Allen Perschmann, Minneapolis
 Sandra Lynn Peters, Minneapolis
 Bruce Charles Peterson, Stillwater
 James Edward Phillips, Minneapolis
 John Louis Polasik, New Brighton
 Larry Harvey Ptaszek, Minneapolis
 Gale Lyal Putnam, Minneapolis
 Susan Ann Rebholz, Minneapolis
 Loren Bennet Rochford, Minneapolis
 Harvey Arthur Rockwood, St. Paul
 Bruce Elliott Rozman, Minneapolis
 Roger David Rubinger, Minneapolis
 Paul Edwin Rudberg, Robbinsdale
 Jeanne Marie Rusnacko, Minneapolis
 Richard Allyn Rydell, Minneapolis
 John Ryden, Osseo
 Joseph Louis San Roman, Minneapolis
 George Harrison Sayner, Jr., Minneapolis
 Vicki Rachel Schrabner, Duluth
 Theodore Wilhelm Schwab, Minneapolis
 Jerrold Cornelius Seaver, Minneapolis
 Dennis Wayne Severson, Thief River Falls
 Donald Russell Shaw, Minneapolis
 John Michael Shields, Richfield
 Clifford Ross Siegel, St. Louis Park
 Robert Howard Silloway, Minnetonka
 Geoffrey Stuart Silver, Minneapolis
 Gary Leonard Simonson, Brooklyn Center
 Douglas Charles Smith, Richfield
 William Dennis Smoka, Minneapolis
 Joyce Anne Stephens, Uniontown, Pa.
 James David Stowe, Minneapolis
 Janice Jean Strom, Minneapolis
 Charles John Studiner III, St. Paul
 Kathleen Ann Svendsen, St. Paul
 Alan James Tennesen, Bloomington
 Roberta Adair Theel, Rochester
 Andrea Kay Thiem, Edina
 Linda Jane Thimsen, Minnetonka
 Jeffrey Rudolph Thompson, Minneapolis
 Jerome Nory Thorson, Minneapolis
 Larry John Tiziani, Ironwood, Mich.
 Kathleen Mary Trow, Hopkins
 Nicholas Charles Turk, Minneapolis
 Robert Charles Ulrich, Rochester
 Catherine Frances Van Camp, Indianapolis, Ind.
 Bruce Wayne Victor, Minneapolis
 James D. vonLintel, Watkins
 Sandra Lee Waibel, South St. Paul
 Carol Jean Walden, St. Paul
 Jack King Waller, White Bear Lake
 Russell William Warnberg, Minneapolis
 Stephen Jeffery Wasgatt, Wayzata
 Gary Neil Weinberg, Minneapolis
 David Michael Wentzell, Hopkins
 Leslie Howard Westerberg, Bloomington
 Linda Lou Westergard, Richfield
 Lee Edward Whitcraft, Minneapolis
 Robert T. White, South St. Paul
 Thomas Joseph Williams, Minneapolis
 James A. Winkels, Minneapolis
 Richard Scott Winston, St. Paul
 John Stephen Wold, Stillwater
 Charles Paul Wolfe, Minneapolis
 Fern Linda Yellen, Minneapolis
 Marlene Frances Ziemski, St. Paul

COLLEGE OF LIBERAL ARTS

Associate in Liberal Arts

Hillary Joy Backman, Minneapolis	Joan Valerie Meyers, St. Paul
Judith Bark, Minneapolis	Katherine Esther Mura Neher, St. Paul
Jean Louise Bandow, Richfield	Katherine Ann Norby, Leawood, Kan.
Margaret Ann Boudreau, Burnsville	Joyce Blanche Nye, Owatonna
Clara M. Robertsen Brisson, St. Paul	Jeanne Elizabeth Olson, Minneapolis
Frank David Damon, Minneapolis	John Jeffery Padden, Crookston
David John Dannewitz, Waconia	Perry Wallace Petersen, Minneapolis
Shirley Jo Diamond, St. Paul	Mary Victoria Peterson, Stillwater
Thomas Allen Ekblad, Cannon Falls	Signe Lynette Piekarski, Minneapolis
James Ronald Engeldinger, White Bear Lake	Richard Lee Reutiman, Excelsior
Mary Margaret Fish, Farmington	Erasmus Bernard Sabwe, Kampala, Uganda
Linda Louise Freeman, St. Cloud	Carl Michael Schneider, Bayport
Verna Rae Goltz, Squaw Lake	Susan Marie Scully, St. Paul
Jane Ann Goodwin, Cannon Falls	Martha Lynne Shelley, Minneapolis
Candra Louise Green, St. Paul	Joyce Marie Strait, St. Louis Park
Barbara Jean Gustafson, Minneapolis	Cecilia Sutin, St. Louis Park
Kenneth J. Haselberger, Jr., Maplewood	Gloria McAuliffe Varner, Bloomington
Carol Ann Johnsen, Edina	Phyllis Nan Wartnick, St. Louis Park
Mary Ann Keturakat, St. Paul	Kenneth William Wilson, Winnipeg, Manitoba, Canada
James William Koran, St. Paul	
Robert Charles Lindberg, Minneapolis	
Dawn Jane Lovell, St. Paul	
Margaret Elizabeth MacMillan, St. Louis Park	

Bachelor of Arts

Honors citations are provisional and will not become final until all requirements are met for the level indicated

Julia Linn Thompson Aakhus, St. Paul	Gary Jon Alfson, Minneapolis
Barbara Ann Adams, West St. Paul, MAGNA CUM LAUDE, Psychology	David Jay Alleman, Minneapolis
Claudie Mortet Adams, St. Paul	Pamela Louise Allison, Aurora
Robert Paul Abdo, Minneapolis	Sharon Rae Just Ally, Rochester
Ronald Gifford Achterkirch, Minneapolis	Robert Theodore Almquist, Minneapolis
Michael John Adams, Edina	Wayne Carrol Amendola, Duluth
Robert Lawrence Adler, Rochester	Alan Wayne Anderson, St. Louis Park
Daniel Berton Ahlberg, West St. Paul, CUM LAUDE, without departmental designation	Beverly Ann Anderson, Rochester
Henry Peter Albrecht, Minneapolis	Clarence Alexander Anderson, Jr., St. Paul
	David Alan Anderson, Granite Falls
	Dennis Paul Anderson, Minneapolis

Gail Eleanor Anderson, Minneapolis
Janet Dawn Anderson, Minneapolis,
 MAGNA CUM LAUDE, *Microbiology*
 John Theodore Anderson, Minne-
 apolis
 Judith Marie Anderson, Minneapolis
Karin Dorathe Anderson, Edina,
 CUM LAUDE, *Mathematics*
 Richard Vincent Anderson, Minne-
 apolis
 Robert James Anderson, Port Arthur,
 Ontario, Canada
 Roger Clifton Anderson, Minneapolis
 Eugene Robert Andreotti, St. Paul
 Rosalind Mary Annen, St. Paul
 Douglas Dean Armstrong, Minne-
 apolis
 Thomas George Armstrong, St. Paul
 Sandra Ethelyne Aronson, Little
 Falls
 Gerald Eugene Asheim, Rapid City,
 S.D., MAGNA CUM LAUDE, *Music*
 Ronald David Aucutt, Bloomington,
 SUMMA CUM LAUDE, *Economics*
 Evangeline Marie Aus, St. Paul
 Nina Awsienko, Minneapolis, MAGNA
 CUM LAUDE, *Russian*
 Edward Harold Ayd, St. Paul
 Margaret Eleanor Bakke, Minneapolis
 Roberta Nicole Baldwin, Chisholm
 Mary Catherine Banister, St. Paul
 Mary Elin Barstad, Robbinsdale
 Carole Lynn Bartholomew, Rochester,
 CUM LAUDE, *Sociology*
 Noel Robert Bartsch, Owatonna,
 MAGNA CUM LAUDE, *Economics*
 Edward Marvin Bauer, Garvin
 John Robert Beale, Rochester
 Barry David Beardslee, Minneapolis
 Joseph Gordon Beaton, Jr., North-
 field
 Jane Elizabeth Beaudry, Duluth
 Janet Irene Christianson Beavers,
 Austin
 Charles Lynn Beck, Fergus Falls
 Lois Jones Beck, St. Paul, SUMMA
 CUM LAUDE, *English*
 Richard Lee Beck, Fergus Falls
 Lowell Lester Becker, Jr., Buffalo
 Lake, CUM LAUDE, *without*
departmental designation

Thomas Myron Beckman, Minne-
 apolis
 Daniel Philip Belfiori, Kinney
 Gary David Belisle, Minneapolis
 Jeannine Adele Gilbertson Bell,
 Minneapolis
 Patricia Lynnette Belois, Minneapolis
 Carl Martin Beltt, Cloquet
 Lauren Kaye Benke, Thief River
 Falls
 Owen Andrew Bensen, St. Paul
 Danny Bob Berenberg, St. Louis Park
 Robert Charles Berens, St. Paul
 Bruce Howard Berezovsky, Minne-
 apolis, SUMMA CUM LAUDE,
Political Science
 Ruth Ann Bergene, Minneapolis
 Roger Carl Bergerson, South St. Paul
 Roland Wallace Bergman, Milaca,
 MAGNA CUM LAUDE, *Geography*
 Gary Allan Bergren, Hopkins, MAGNA
 CUM LAUDE, *Economics*
 Diane Ruth Bergstrom, Cloquet
 Thomas Lee Bergstrom, St. Paul
 Alice Joyce Radov Berman, Glencoe,
 Ill., CUM LAUDE, *Humanities*
 Thomas Leonard Bertini, A.A.,
 St. Paul
 Richard Peter Berven, Minneapolis
 Suzanne Jean Beske, Stillwater
 Daniel John Bibelheimer, Minne-
 apolis
 Dorothy Liz Biermann, North St.
 Paul
 Virginia Mary Biermeier, St. Paul
 Mary Ellen Biorn, A.A., St. Paul
 Linda Jane Blake, Rochester
 Katherine Elizabeth Neumann
 Blenkush, Redwood Falls
 Carlyn Druy Blum, St. Louis Park
 Eugene Allen Bogdon, St. Louis Park
 Betty Jeanne Bonniwell, Hutchinson,
 MAGNA CUM LAUDE, *Speech*
 Bernard Edward Borene, Montevideo
 Louise Caroline Borgman, St. Louis
 Park
 Robert Owen Boss, St. Paul
 William Paul Boudreau, Burnsville
 William Edward Bowen, Jr., South
 St. Paul, CUM LAUDE, *History*
 Alfred Thomas Bowers, Minneapolis

Daniel Clifford Bowman, Bloomington
 Nancy Jean Schlafge Brasket, Minneapolis
 Dallas Edward Breamer, Albert Lea
 James Robert Breitenbucher, Minneapolis, MAGNA CUM LAUDE, Psychology
 Gordon Darwin Bremer, Columbia Heights
 Michael Dean Bremseth, Racine
 Diane Lee Brinkhaus, St. Paul
 Joseph Herschel Brochin, Minneapolis
 Howard Sanford Brodsky, St. Paul
 John Wright Brooks, Minneapolis
 Peter Kendall Brooks, White Bear Lake
 Rochelle Annette Brooten, St. Paul
 Thomas Franklin Brothen, Minneapolis
 David Cameron Bruce, White Bear Lake
 John Micheal Bruchert, Minneapolis
 Donald Jay Brundage, Minneapolis
 Thomas Joseph Brundidge, Minneapolis
 John Charles Brunkow, Minneapolis
 Miriam Shane Bruzonsky, Duluth
 Maria Ann Bucka, Minneapolis
 Ellen Ann Buckley, St. Paul, MAGNA CUM LAUDE, French
 Bruce Burden Bundgaard, Minneapolis
 Robert Leslie Bunker, Richfield, SUMMA CUM LAUDE, History
 Gretchen Mary Buran, Roseau, SUMMA CUM LAUDE, Sociology
 Kenneth Wayne Burgener, Minneapolis
 Mary Jane Burgoyne, Elk River
 William Edward Burnmeister, Minneapolis
 Jane Ann Burton, South St. Paul, CUM LAUDE, Humanities
 Patricia Boe Butorac, Austin
 Lloyd Ray Canaday, Holland
 Byron Alan Cansler, Mankato
 Betty Marie Carlson, Edina
 Roy Theodore Carlson, Jr., Edina
 Sally Jean Carlson, Minneapolis, MAGNA CUM LAUDE, Sociology
 Timothy Ellis Carlson, Minneapolis
 Catherine Calta Carman, Staten Island, N.Y.
 Sharon Lou Carpenter, A.A., Minneapolis
 Judith Nelcine Carr, Wonewoc, Wis.
 Jeffrey Bryne Carruthers, Minneapolis
 Joanne Frances Casey, Minneapolis
 Thomas John Cecka, Minneapolis
 Richard Wade Chamberlin, A.A., Minneapolis
 Dale Alan Chapman, Richfield
 Marlene Louise Chaput, Marshall
 Devron Henry Char, St. Paul, SUMMA CUM LAUDE, without departmental designation
 Elizabeth JoAnn Chisholm, Sauk Centre, MAGNA CUM LAUDE, French
 Annemarie Chlebeck, St. Paul
 Marilyn Avis Christianson, Austin
 Janet Rose Cimbura, St. Paul
 Susan Ann Clarey, Minneapolis
 Harmony Hammond Clover, Minneapolis
 George Lane Cobb, Jr., Minneapolis
 Deanna Gayle Cohen, A.A., St. Paul
 Uta Christine Cole, Mora, CUM LAUDE, German
 Margaret Mary Comer, Hutchinson SUMMA CUM LAUDE, English
 William Egloff Cone, St. Paul
 Linda Miron Connors, Minneapolis, CUM LAUDE, German
 Richard Carl Cooter, St. Paul
 Anne Louise Corson, St. Paul
 Norman Orlando Corson, Rochester
 Thomas Michael Cosgriff, Moorhead
 Julie Ann Coughlin, St. Paul
 Jean Adele Cowdery, Minneapolis
 John Henry Cowley, Jr., West St. Paul
 James Richard Crassweller, Duluth
 Diane May Crawford, Minneapolis, SUMMA CUM LAUDE, Psychology
 Terence Steven Crawford-Browne, Minneapolis
 Cathy Marlys Crepeau, Excelsior
 Kathleen Mary Cullen, St. Paul
 John Allen Curtiss, Cambridge
 Gary Alan Dachis, Minneapolis
 Thomas Allen Danculovich, Hibbing

Mahryam Daniels, Minneapolis,
 CUM LAUDE, Spanish
 Suzanne Louise Danielson, Atwater
 Lawrence Elliot Dansinger, Duluth
 Richard Nelson Davies, Albert Lea,
 SUMMA CUM LAUDE, History
 Michael Vernon Davison, Edina
 Carol Susan Deal, St. Paul
 Craig Randall Dean, Edina
 Gary Charles Deibler, St. Paul
 James David DeMuth, South St.
 Paul, CUM LAUDE, Humanities
 Theodore Joseph Dengler, Jr.,
 Hibbing
 Leslie Myron Desnick, Minneapolis
 Diane Sheryl DeVries, Willmar
 John Timothy Diegel, Minneapolis
 Charles E. Dillerud, Fergus Falls
 Norman Merrill Distad, Minneapolis,
 SUMMA CUM LAUDE, History
 Karen Louise Dodson, Fridley,
 SUMMA CUM LAUDE, Psychology
 Robert Duncan Donaldson, Anoka
 Kathleen Donnelly, Wheaton
 Denise Marie Dorgan, St. Paul
 Michael Leo Doyle, Minneapolis
 Scarlett Susan Ewy Doyle, St. Paul
 Thomas Francis Drake, St. Paul
 Richard John Dryg, Richfield
 Gayle Elizabeth Duncan, Mahtomedi
 Kathryn Dawn Duncan, Omaha, Neb.
 Jack Martin Dunn, Excelsior
 Richard James Dunn, Winona,
 CUM LAUDE, Economics
 Thomas Hector Dupont, Minneapolis
 James Richard Dybdal, Alexandria,
 Va.
 Velma Hildegard Dyck, Minneapolis,
 SUMMA CUM LAUDE, without
 departmental designation
 William Erwin Dyck, Minneapolis.
 SUMMA CUM LAUDE, German
 Noel Kennedy Dysart, Springfield,
 MAGNA CUM LAUDE, without
 departmental designation
 Donald Thomas Eberlein, A.A.,
 Willmar
 Steven Loy Edgell, Minneapolis
 Barbara Colleen Edwards, Bemidji
 Penny Ann Eide, Golden Valley
 Phillip James Eide, Minneapolis
 Paul Anthony Ekhaml, St. Paul
 Douglas Malcom Elfstrum, Minne-
 apolis
 Thomas Harold Elmquist, Big Lake,
 SUMMA CUM LAUDE, Psychology
 Gary Philip Elo, Minneapolis
 Joan Anitra Enerson, St. Paul,
 SUMMA CUM LAUDE, Geography
 Michael John Engelbert, Jr., St.
 Louis Park
 Roberta Ann Engelmann, Bertha
 David Edward Engen, Minneapolis
 Kae Ann Erickson, Hastings
 Robert Orlando Erickson, Slayton
 Sharon Kay Erickson, Richfield
 Stephen Wayman Erickson,
 Minneapolis
 James Leroy Esser, St. Paul
 James Allen Estes, San Diego, Calif.
 Barry Hugh Evans, St. Paul
 Richard Emanuel Faflak, Mahanomen
 Marilyn LaVonne Kreutzfeldt
 Fauchald, Minneapolis
 Gary Allen Farness, Bloomington
 Ralph Eldon Fedor, Lakefield
 Michael Alan Feiler, Minneapolis
 Jeffrey Clarence Felt, Minneapolis
 Kathleen Marie Fey, St. Cloud
 Katherine Filipovich, Minneapolis,
 CUM LAUDE, Russian
 Dennis Harold Finden, South St.
 Paul
 Judith Ellen Fine, St. Paul
 Paul David Finsness, Minnetonka
 Thomas John Fischer, St. Paul
 Michael Bruce Fisher, St. Louis Park
 Kenneth Eugene Flies, Kellogg
 Gisela F. Fohlmeister, St. Paul,
 MAGNA CUM LAUDE, Zoology
 Elaine Lucille Foreman, Hopkins
 Gertrude Evelyn Foreman, York,
 Neb.
 David Lang Forney, Edina
 Margaret LeeAnne Forsman,
 Minneapolis
 Ivan De Ray Frantz III, St. Paul
 Arnold Ira Freedland, St. Louis Park
 James Arthur Frotheim, Bloomington
 Kathryn Jean Friedman, Minneapolis
 Michael John Friedrich, Brainerd
 George Herman Frisch, St. Paul

Sara Rachel Frisch, Minneapolis,
 SUMMA CUM LAUDE, Psychology
 Jon DeLore Gabiou, St. Paul
 William Joseph Gabler, St. Paul
 William Charles Gaddis, Jr.,
 Minneapolis
 Stanley Lysle Gaffin, Milwaukee, Wis.
 Tibor Matthew Gallo, Ironwood,
 Mich., CUM LAUDE, Economics
 Judith Ann Ney Galt, Minneapolis,
 MAGNA CUM LAUDE, English;
 MAGNA CUM LAUDE, Theatre Arts
 Thomas Randolph Galt, St. Paul,
 SUMMA CUM LAUDE, Economics
 James Gregory Galvin, St. Paul
 CUM LAUDE, Sociology
 Leslie Drisko Gardner, St. Paul
 Sheldon Stanley Gary, Minneapolis
 Jan Pieter Gasterland, Richfield
 Patricia Ann Gates, Minneapolis
 David Charles Gauvin, A.L.A.,
 North St. Paul, MAGNA CUM
 LAUDE, without departmental
 designation
 Allan David Gavere, Albert Lea
 Robert Douglas Gehrz, St. Paul,
 CUM LAUDE, Physics
 Catherine Regina Geise, Clark, S.D.,
 CUM LAUDE, Humanities
 Barbara Jean Carlson Gellatly,
 Duluth
 Bruce Keith Gendein, Minneapolis
 Mark Henry Genich, Minneapolis
 Bruce James Gensmer, Bloomington
 Paul Carleton George, Minneapolis
 Alice Kathleen Gibson, A.L.A.,
 Minneapolis
 David James Giles, Holland
 Michael James Gillis, Atlanta, Ga.
 Suzanne Marie Loftness Gilman,
 Hopkins
 Robert Fraser Goblirsch, Faribault
 Joel C. Golden, Minneapolis
 Neil Erwin Goldman, Minneapolis
 Howard Floyd Goltz, North Mankato,
 CUM LAUDE, Architecture
 Michael Anthony Gomez, Minne-
 apolis
 Timothy Harman Gooden, Minne-
 apolis
 Howard Bruce Goodman, Milwaukee,
 Wis.
 William John Gordon, Minneapolis
 John Lambe Gorman, Minneapolis
 Albert Clark Goss, Minneapolis
 Alexandra Nicholas Goursky, St.
 Peter
 Mark Frederick Grabow, Minne-
 apolis
 Barbara Graham, St. Paul
 Susan Lee Grande, Minneapolis
 Carole Louise Granger, Minneapolis
 David Wayne Grant, A.A., Jeffers
 Linda Jo Grant, Winnebago
 Peter Grant, Chicago, Ill.
 Roger Harold Gray, St. Paul
 Patricia Ann Greuel, Jordan
 Sherrill Arline Grierson, Minne-
 apolis
 Lyndon Marshall Griffin, Robbinsdale
 Curtis Alan Grindahl, Richfield
 Warren Keith Grodin, St. Paul
 Ferne Elizabeth Zurovsky Grossmann,
 Minneapolis
 David Lawrence Grossman,
 Minneapolis
 Curtis Joseph Groth, Robbinsdale
 Zigfrid Joseph Gudrais, A.A.,
 Rochester
 Patricia Ann Guilfoile, Delano
 Sheldon Keith Gulinson, Hopkins,
 CUM LAUDE, Psychology
 Sharon Ann Ciskovsky Gully,
 Maple Plain
 Gary Edward Gumingo, Minneapolis
 Grant Paul Gustafson, Excelsior
 Gregory Dean Gustafson, Edina
 Daniel Herman Haak, North Branch
 John Robert Haas, Edina
 David Arnold Haberman, St. Paul,
 CUM LAUDE, Chemistry
 Richard Lee Hable, St. Paul
 Larry G. Hagar, Eyota
 James Roberts Haggart, Fargo, N.D.
 John Joseph Haggerty, Jr.,
 Minneapolis
 Myron Philip Hahn, Arlington
 Camilla Christine Hall, Minneapolis
 Nicholas David Halpern, Minneapolis
 Vance Earl Halvorson, Edina
 Barbara Jean Hannay, Minneapolis

Ronald Keith Hannula, Litchfield
 Daryl Erling Hansen, Minneapolis
 Erik Sandahl Hansen, Tyler
 Jessica Mary Hansen, Minneapolis
 Joseph Bernard Hanson, Minneapolis
 Peggy Lee Hanson, Minneapolis
 Robert Andrew Hanson, St. Paul
 Suzanne Carol Stitils Hardy,
 St. Paul
 William Beddall Harley, St. Paul
 Walter David Harms, Hollandale
 Keith Edward Harris, St. Paul
 Josephine Spencer Hart, Edina
 Richard Stephen Hartig, Minneapolis
 Kathleen Louise Hartje, *Thief River
 Falls, CUM LAUDE, Child
 Psychology*
 Mary Margaret Hartmann, Waconia
 Frederick Merton Hass, Jr., Golden
 Valley
 James Moran Hasselman, St. Paul
 Myron Dean Hasselquist, North
 Branch
 James Wright Haskell, Mendota
 Heights
 Nancy Jo Haugen, St. Paul
 John Wayland Hawley, Minneapolis
 Michael Joseph Hay, Minneapolis
 Kent Howard Hazen, St. Paul, CUM
 LAUDE, *German*
 Robert Dustin Heacock, Jr., Edina,
 MAGNA CUM LAUDE, *History*
 Mary Scott Headington, Excelsior
 Patricia Marie Heath, Minneapolis
 Steven Reed Hedges, Minneapolis,
 SUMMA CUM LAUDE, *Political
 Science*
 Jay Michael Heffern, Minneapolis
 Michael Morley Heffernan,
 Milbank, S.D.
 John Robert Hefty, South
 Portland, Maine
 Judith Ann Heimbach, Minneapolis
 Jan Robert Heining, Minneapolis
 Klaus Karl Heinrich, Minneapolis
 Marlin Charles Helget, Sleepy Eye
 John Clark Hemer, Richfield
 Roy Henderson, Waynesburg, Ohio
 Carol Marjorie Valerius Hesch,
 Minneapolis
 Dean Clifford Hess, Edina
 Grace Mable Hess, Minneapolis
 David Drake Himlie, Richfield
 Mary Louise Hinkle, Minneapolis
 Warren William Hinze, St. Paul
 Lenore Margaret Hirsh, Minneapolis
 William James Hoban, Arlington
 Heights, Ill.
 Collin Bruce Hobert, Blue Earth
 Barbara Jean Hoelscher, Minnetonka
 David Bradley Hoffman, Minneapolis
 Joan Marie Pederson Hokanson,
 Alexandria
 Robert Stanford Holman, Minneapolis
 Joseph Leighton Holmberg,
 Minneapolis
 Nancy Louise Smith Holmberg,
 Shreveport, La.
 Sandra Claire Holmer, New
 Brighton
 John Michael Holmes, Austin
 Mary Eleanor Holmquist, Grove City
 Sandra Lee Holmquist, Baltimore,
 Md.
 Cheryl Mae Holycross, St. Cloud
 Carlyn Louise Holzinger, G.D.H.,
 St. Louis Park
 Susan Mildred Holzknacht, New
 Brighton
 JoAnn Kristine Anderson Honaas,
 New Brighton
 Natalie Joyce Anderson Hope,
 Mounds View
 Alan Craig Hoppes, Park Rapids
 Glenn William Hove, Dilworth,
 CUM LAUDE, *Sociology*
 Eric Martin Hucke, Canby
 Dianne Marie Huettl, St. Paul
 Ronald Lee Huff, Minneapolis
 Leona Lenore Thompson Humphrey,
 McIntosh
 George Frederick Humphrey, Jr.,
 Minneapolis
 Harland Corwin Hurd, Minneapolis
 Wanda Ruth Thayer Huttner,
 Maple Plain
 Daniel Hydeuke, Chisholm
 Elizabeth Anne Ihrig, Minneapolis
 Delight Michelle Irwin, St. Croix
 Falls, Wis., SUMMA CUM LAUDE,
 Child Psychology

Christine Elizabeth Isenman, South St. Paul
 Gregg Arnold Iverson, Minneapolis
 Joanne Jackson, St. Louis Park, CUM LAUDE, *International Relations*
 Lee Alan Jackson, Minneapolis
 Dale Everette Jacobson, Zumbrota
 Meredith Anne Jaglo, Minneapolis
 Kristin Marie Maxfield James, Mound
 Bradley Alan Jarvey, Minneapolis
 Thomas John Jarvis, Faribault
 Melvin David Jass, St. Paul
 Timothy Charles Jeffery, St. Paul
 Patricia Gayle Stahler Jenkins, Morris
 Darrell Alf Jensen, Richfield
 Eugene Clifford Jensen, St. Paul
 Mark Peter Jensen, Minneapolis
 Jon David Jensvold, Minneapolis
 Beverly Dawn Jewett, Robbinsdale
 Richard James Johansen, Minneapolis
 Barbara Marie Johnson, Minneapolis
 Bruce Leon Johnson, Minnetonka
 Carolyn Ruth Johnson, Golden Valley
 Debra Louise Johnson, St. Paul
 Donald Edward Johnson, Golden Valley
 Jane Amanda Johnson, Minneapolis
 Keith Gordon Johnson, Duluth
 Lynn Elizabeth Johnson, A.A., Rochester
 Margaret Ruth Johnson, Atlanta, Ga.
 Mark Evan Johnson, St. Paul
 Patricia Lynn Johnson, St. Paul
 Richard Alan Johnson, Minneapolis
 Richard Gary Johnson, Chisholm
 Rodney John Johnson, St. Paul Park
 Susan Kay Drake Johnson, Minneapolis
 William Frank Johnson, Minneapolis
 Alan Lyle Johnston, Minneapolis
 Cynthia Mary Jones, Minneapolis
 Terry Tock Jones, Rochester
 Marion Isabelle Joos, St. Paul
 Barbara Dee Jordan, St. Paul
 Naomi Ellen Joshua, Minneapolis
 Robert Henry Juers, Lake City
 Vernon Herman Kading, Vergas
 Harry Stanford Kaess, St. Louis Park
 Judith Hilda Kahle, Minneapolis
 Peter T. Kahn, Minneapolis, CUM LAUDE, *History*
 Kathryn Agnes Kamb, South St. Paul
 Michael Harlan Kaplan, Minneapolis
 Ronald Lawrence Kaplan, Minneapolis
 Kathleen Terese Karn, Ortonville
 John Alan Karow, Lake City
 Grace Ann Kasper, St. Paul
 Joseph Paul Kasper, Excelsior
 Paul Michael Katzovitz, St. Louis Park
 David Leo Katzung, Conger
 Terrence Michael Keegan, Bloomington
 Mary Josephine Kelly, Glencoe
 Penelope Lee Kelly, St. Paul
 Sylvia Joy Kennedy, A.A., Worthington
 Cheryl Ann Kern, Stanley, Wis., MAGNA CUM LAUDE, *Russian*
 Lois Elaine Kietzmann, Milaca
 David James Kimball, Excelsior, SUMMA CUM LAUDE, *English*
 Richard George Kirchdoerfer, Austin
 Gale Robert Kleist, A.A., St. Paul
 Robert Ervin Klicker, Lengby
 Joyce Helen Kliever, Alexandria
 Judith Ann Kline, St. Paul
 Thomas Clifford Kline, Plymouth
 John Oliver Kling, Richfield
 James Donald Kloss, Minneapolis
 Thomas Tynan Knippenberg, St. Paul
 Terrill Dale Knudsen, St. Louis Park
 Richard Lee Knutson, Minneapolis, SUMMA CUM LAUDE, *Psychology*
 James William Kofski, Minneapolis
 Henry Mathew Korent, A.A., Ely
 Ronald Jere Korsh, Minneapolis
 Kathleen Ann Korsmo, Minneapolis
 Celeste Kathryn Koski, A.A., Chisholm
 Nathel Kowalenko, Maple Plain
 Cheryl Elaine Kranz, A.A., Rochester
 Mark Ainslee Kravik, White Bear Lake
 Richard Joseph Krentz, Minneapolis
 Terry Lee Krick, Avoca
 Carolyn Frances Krinkie, St. Paul
 Richard Henry Kronstedt, Minneapolis
 Ann Carol Kruzich, St. Cloud

Richard Lawrence Kugler,
Minneapolis

Penelope Diane Kuhn, Edina

David Lawrence Kurud, Morris

David Chaim Kushner, St. Louis
Park, MAGNA CUM LAUDE, *Child
Psychology*

Julian Joseph Laliberte, Jr.,
Minneapolis

Gary Frederick Lance, St. Paul

Lawrence Joseph Landherr, A.A.,
Rose Creek

Karen Marie Seiffert Lanc,
Minneapolis

Barry Curtis Langton, A.A.,
Rochester

David Michael Lanser, Prior Lake

Robert Steven Larsen, Minneapolis

Duayne Allan Larson, Hopkins

Gary Lee Larson, St. Paul

Gerald Manfred Larson, Milaca,
CUM LAUDE, *Chemistry*

Lawrence Harvey Latterell, Duluth

Glenn Michael Lawler, A.A.,
Rochester

Mary Susan Lazarus, Minneapolis,
CUM LAUDE, *German*

Neil Gershon Lazerine, St. Louis Park

Nancy Jane Leavitt, St. Paul

Edward James Lechner, St. Paul,
CUM LAUDE, *International
Relations*

William Oakley Leck, Hopkins

Thomas Charles LeDuc, St. Paul

Clarence Leslie Lehman, Braham,
MAGNA CUM LAUDE,
Interdepartmental

Richard Laurin Leino, Ely

Gregory David Lerman, St. Paul

Russell Gerald Letson, South St. Paul

Patricia Jo Leuck, Minneapolis

Craig Christian Leverenz, St. Paul

Dennis Robert Le Vesque,
Minneapolis

Joyce Ann Levine, Hopkins

Lowell Stanley Levine, Minneapolis

Nancy Sue Levine, Minneapolis

Gary Howard Levinson, Minneapolis

James Harvey Leviton, St. Paul

Betsy Ann Lightbourn, Hastings

Julien Lee Lind, Minneapolis.
MAGNA CUM LAUDE, *Theatre Arts*

Nicholas Craig Lindahl, Red Wing

Elizabeth Sharon Lindgren, A.A.,
Virginia

Dale Candace Lindquist, St. Paul

Stephen Alan Lipton, Dayton, Ohio

Daniel Richard Lisko, A.M.S.,
Oakes, N.D.

John Paul Litchy, Minneapolis

Gary William Litman, Duluth

Joan Catherine Littfin, St. Paul,
MAGNA CUM LAUDE, *French*

Edward Antony Litwinczak,
Minneapolis

Dinah Livingston, Minneapolis,
MAGNA CUM LAUDE, *French*

Judy Margaret Lockwood,
Minneapolis

James Martyn Long, Minneapolis

James William Long, Eau Claire,
Wis.

Eugene Ralph Lorenz, Fairmont,
MAGNA CUM LAUDE, *Economics*

Roland Clare Lovstad, Esko

David Allen Lucas, Minneapolis

David Elvin Luke, Minneapolis

Andrea Josephine Lund, Minneapolis

Diane Renee Siegel Lund,
Minneapolis

Garrett John Lund, A.A.,
Minneapolis

Alan Lester Lunemann, Rochester

Jeanne Sylvia Luoma, Virginia.
MAGNA CUM LAUDE,
Anthropology

Leah Anita Lybyer, Minneapolis

Joyce Ann MacConnachie, Cloquet

Judith Yvonne Mack, Palo Alto,
Calif., CUM LAUDE, *Psychology*

Robert Callan Mack, Webster
Groves, Mo.

Karen Ann Madsen, Mound

Vikrom Patrick Mahataphongse,
Bangkok, Thailand

Elias Samuel Mahigel, Bridgeport,
Conn.

Erny Glenn Malakoff, St. Paul

Howard Bruce Malinsky,
Minneapolis

James Francis Malloy, North St.
 Paul
 Leslie Ann Mandel, Minneapolis
 James Thomas Mansfield,
 Bloomington
 Michael Bernard Manthei, Mora
 Olga S. Marinou, Athens, Greece
 Michael Richard Mark, Minneapolis
 Lawrence Paul Marofsky, St. Paul
 James Thomas Martin, Minneapolis
 Vickey Sue Noser Martins,
 Rochester
 Judith Ann Martz, Forest Lake
 Wallace Allen Marx, Robbinsdale
 Albert David *Matthew*, Hopkins,
 CUM LAUDE, Zoology
 Donn Stephen Mattsson,
 Minneapolis
 Jerome Peter May, Glencoe
 David Jack Mayer, St. Paul
 Jewell Ricaud Mayes, St. Louis Park
 Gerald John Mazzara, South St. Paul
 Steven Thomas McCabe,
 Minneapolis
 John Andrew McClurg, St. Paul
 Muriel Wiest McConnell,
 Minneapolis
 Jeanette Emilie McCoy, Minneapolis
 Sheryl Ann McCready, A.A., Fridley
 Karen Ann Lessard McDermott,
 Duluth
 James Neil McDevitt, Phoenix, Ariz.
 Karen Ann McDonald, Minneapolis
 Susan Jane McDonald, St. Paul,
 CUM LAUDE, Sociology
 Maureen Georgia McFadden,
 Stillwater
 Alice Mae Fischer McGinn, St. Paul
 Janet Marie McGinn, South St. Paul
 Dianne Lee McInnis, Richfield
 Gerald Robert McKay, St. Paul
 Barry William McKee, New
 Brighton
 Patricia Kay McLane, Minneapolis
 Patricia Ann Dutcher McMurray,
 Lake Elmo
 Lynne Christine McNeal,
 Minneapolis, MAGNA CUM LAUDE,
 Mathematics
 Brian Hollister McNee, Edina
 Michael James McNulty, St. Paul
 Mary Susan McShane, Duluth
 Michael Bernard McShane, Waseca
 Paula Mary McSweeney,
 Minneapolis
 Richard Craig Melton, Sioux Falls,
 S.D.
 Julie Ann Memmer, St. Paul
 Roland Carl Menge, Little Canada
 Charles Henry Menzel, Arlington
 Harriet Curtis Metcalfe, St. Paul
 Peter Michael Meyer, Mason City,
 Iowa
 Richard Otto Meyer, New Prague
 Roger William Meyer, St. Paul
 Susan Barbara Meyer, Hopkins
 Joseph Robert Meyers, Milwaukee,
 Wis.
 John James Michalik, Minneapolis
 Michael Jon Miles, Hopkins
 Alex Nicholas Miller, Minneapolis
 Barbara Lynn Miller, Eau Claire, Wis.
 Daniel Joseph Miller, St. Paul
 George Ernest Miller, Minneapolis,
 SUMMA CUM LAUDE,
 Interdepartmental
 Kay Frances Miller, St. Paul
 William Jerome Miller, Minneapolis
 John Patrick Mitchell, Mankato
 Ronald Roger Moe, Owatonna
 Kenneth Raymond Moen, Jr.,
 Norristown, Pa.
 Mary Martha Mohr, Minneapolis
 James Arthur Mohs, West St. Paul
 Michael Wallace Monahan, Edina
 Carolyn Jean Monsour, St. Paul
 Marjorie Ann Moravec, Excelsior
 Robert Brice More, Jr., Willmar
 Anabella Moreno, San Jose, Costa
 Rica
 James Frederick Mossler,
 Minneapolis
 Faith Marie Moulin, St. Paul
 Edith Elizabeth Johnson Mucke,
 Minneapolis, CUM LAUDE,
 Humanities
 Ann Lorraine Mueller, Golden Valley
 Joseph John Mullery, Minneapolis
 Dennis Michael Murray, Minneapolis
 Robert Thompson Murray, Allendale,
 N.J.
 Richard Eugene Musil, Minneapolis

Richard Paul Myklebust, Richfield
David Michael Naftalin, Minneapolis,
 SUMMA CUM LAUDE,
Interdepartmental

Leon Orlan Narvaez, St. Paul
James Stephen Nathanson, Minne-
apolis, CUM LAUDE, Political
Science

Roger Donald Neils, St. Paul, CUM
 LAUDE, *Economics*

Dale L. Nelson, Minneapolis
 Dennis Leigh Nelson, Minneapolis
Douglas James Nelson, Minneapolis,
 MAGNA CUM LAUDE, *Mathematics*

James Walter Nelson, Minneapolis
 Johnel Elizabeth Nelson, St. Paul
 Laurel Margaret Nelson, Minneapolis
 Stephen John Nelson, Minneapolis
 Thomas David Nelson, Minneapolis
 Vernon Arthur Nelson, Faribault
 Frederic David Nemer, Minneapolis
 Chris Westin Neu, Circle Pines
 Thomas David Neveaux, St. Paul
 Raymond Alan Newmaster, West St.
 Paul

Gerald Carl Nichols, A.A., Oronoco
 Diane Louise Nichol森, Minneapolis
 Sandra Kay Niemi, Staples
 William Ellis Niman, Minneapolis
 Lana Emily Nimmo, Cheyenne, Wyo.
 Robert Glendon Nord, Bloomington
Marian Ruth Nordin, Excelsior,
 MAGNA CUM LAUDE, *Mathematics*

Jerry Jay Noren, Moose Lake
 Beverly Ann Norheim, Willmar
 Gerald Arne Norlander, Minneapolis
 Wallace William Norlander, Isanti
 Daniel Andrew Norstedt, St. Paul
 Barbara Carole Nowak, Minneapolis
 Rosalie Page Nunn, Champlin
 Judith Ann Oberaigner, South St.
 Paul

Thomas Turner Odell, Edina
 William Charles Oden, Minneapolis
 David Allen O'Denius, Minneapolis
 Carol Clementine Bauman Oeljen,
 Waseca

Lilla Ruth O'Grady, Minneapolis
Karen Ruth Ohnstad, Winona,
 CUM LAUDE, *English*

Linda Sheryl Ohnstad, Redwood
 Falls
 June-Carol Elizabeth Oilund,
 Minot, N.D.

Cheryl Lee Oliver, Chisago City
 Eugene Willard Ollila, Zim
Donald Duane Olmsted, Lakeville,
 MAGNA CUM LAUDE, *Economics*

Allan Dudley Olson, Minneapolis
 Bruce Eric Olson, Minneapolis
David Grant Olson, West Concord,
 MAGNA CUM LAUDE, *Psychology*

David Lawrence Olson, Windom
 Gary Allen Olson, Sunburg
Gary Monroe Olson, Crystal, SUMMA
 CUM LAUDE, *Psychology*

Harvey Charles Olson, Faribault
 Judith I. Olson, Cosmos
Linda Darnell Olson, Baudette,
 MAGNA CUM LAUDE, *Spanish*

Nancy Ann Olson, Milan
Paul Allen Olson, Becker, CUM
 LAUDE, *Psychology*

Sharon JoAnne Omlie, St. Paul
Alfred Kazuo Ono, St. Louis Park,
 CUM LAUDE, *Psychology*

Thomas Alphonse Ophoven, Hopkins
 Ronald Nils Orfield, A.A.,
 Minneapolis
Norman Jay Ornstein, Minneapolis,
 MAGNA CUM LAUDE,
Interdepartmental

Michael James O'Rourke,
 Minneapolis
 Ronald Henry Ortlip, Waconia
 Carole Beverly Osberg, Minneapolis
 Joan Elizabeth Ostrin, Minneapolis
 Judith Jeanne Overbach, St. Louis
 Park

Barbara Jean Overby, Minneapolis
Sandra Faye Pace, Owatonna,
 SUMMA CUM LAUDE, *English*

James Michael Padden, Waverly
 Glenn Alvin Paehlke, Brownston
Mary Catherine Paidosh, Minne-
apolis, MAGNA CUM LAUDE, German

Barbara Lee Parker, Robbinsdale
Joan Ruth Paskewitz, St. Paul, SUMMA
 CUM LAUDE, *Psychology*

Thomas Joseph Patka, Virginia

Phyllis Elaine Mattsson Paul,
Minneapolis

Marcia Sharon Paulsen, Round Lake

Marlys Ann Paulsen, Worthington

Bruce Alan Paulson, St. Paul

Rachel Adele Paulson, Duluth

Rosemary Judy Paulson, Duluth

Gail Harriet Pearlman, White Bear
Lake

Jeffrey Thomas Pearson, Robbinsdale

Jo Ann Peeples, Fairmont

Bruce Attree Peterson, Warren

Cheryl Ann Peterson, Detroit Lakes

Harry Stephen Peterson, B.E.E.,
Brooklyn, N.Y.

Jay Keith Peterson, Edina

Lawrence Peter Peterson,
Minneapolis

Robert Henry Peterson, Richfield

Thomas Lloyd Peterson,
Minneapolis

David Allen Petrie, St. Paul, MAGNA
CUM LAUDE, *Psychology*

Robert Richard Petschl, St. Paul

John Whitney Peyton, Minneapolis

Laurel M. Hersey Pfeifer, Hopkins,
SUMMA CUM LAUDE, *Sociology*

Louise Nessa Pinsky, St. Louis Park

Laura Dean Platt, St. Paul, SUMMA
CUM LAUDE, *History*

Ethel Merrily Plitman, Minneapolis

Victor Podolsky, A.A., Minneapolis

Louis Francis Poirier III, White
Bear Lake

Stuart James Poljack, Winona

Richard Allen Ponto, St. Paul

Joseph William Poole II, Hopkins

Joan Adair Quam, Minneapolis

Jean Marie Brekke Queneau,
Minneapolis

William Arthur Radatz, St. Paul

Carole Ann Radke, St. Paul

Wolf-Dieter Peter Rainer, Rochester,
MAGNA CUM LAUDE, *German*

Douglas James Ralston, Minnetonka,
MAGNA CUM LAUDE, *Economics*

Sara-Jane Helen Ramras, St. Paul,
CUM LAUDE, *Anthropology*

Douglas Ray Ramseth, St. Paul

Robert Melvin Ramstad, Minnetonka

Bruce Robert Ransom, Osseo

James Herbert Raschick, St. Paul

Richard William Rasmussen, Minne-
apolis, MAGNA CUM LAUDE,
Economics

Robert Carl Rasmussen, Minneapolis

Russell Hubert Ratsch, Minneapolis

Maryellen Riley Read, West
Orange, N.J.

Dennis Michael Ready, Minneapolis

Richard William Reding, St. Paul

Patricia Jane Redmond, St. Louis
Park

Margaret Stephanie Reopelle, Thief
River Falls

Phillip Stanley Resnick, Minneapolis

Walter Lawrence Reutiman,
Minneapolis

Judith Martha Richardson, Bemidji

Beverly Marcia Richman, Minneapolis

Paul Victor Rieke, Minneapolis

John Richard Riis, St. Paul

Leonard Brown Ring, Jr., Edina

Michael Joseph Ritzen, Minneapolis,
SUMMA CUM LAUDE, *English*

James George Roban, A.L.A., Min-
neapolis

Gay Estill Robb, New York,
N.Y., CUM LAUDE, without
departmental designation

Susan Kay Roberts, St. Paul

Jon David Robertus, Mounds View

Elizabeth Ann Robinson, A.L.A.,
Minneapolis

Julie Marie Roehkes, Minneapolis

Barbara Kay Roe, Eden Prairie

Dorothy Jane Roff, Minneapolis

Barbro Kristina Ericksson Roehrdanz,
Minneapolis

Judith Carole Romer, Albert Lea

John Martin Romstad, Bloomington

Phillip Lester Rood, Minneapolis

Stuart David Rosen, St. Paul

David Saul Rosenberg, St. Paul,
SUMMA CUM LAUDE, *Philosophy*

Carol Molly Fink Rosenblatt, Min-
neapolis

Richard Wesley Ross, Jr., New
Canaan, Conn.

Steven Thomas Rosso, St. Louis Park

Richard Thomas Roufs, Winsted

- Timothy Earl Rowley, Owatonna,
 CUM LAUDE, *Mathematics*
 Janet Hope Runke, Hutchinson
 Henry Jacob Rupp, Caledonia
 Sandra Kaye Chase Rupp, Minne-
 apolis, CUM LAUDE, *Music*
 Kathleen Joanne Russeth, Robbins-
 dale
 Irene Enid Rutchick, St. Paul,
 SUMMA CUM LAUDE, *Sociology*
 Kenneth Vincent Ruzek, Jr., Austin
 Carole Jean Ryan, Robbinsdale
 Jocelyne Ryan, Willmar
 Michael Joseph Ryan, Minneapolis,
 MAGNA CUM LAUDE, *English*
 Sharon Rae Sager, Lincolnwood, Ill.
 Warren Richard Sagstuen, Newfolden
 Steven Ray Salmela, Brooklyn Center
 Jean Elizabeth Salsbury, Minneapolis
 Ronald Paul Salzberger, Minneapolis,
 MAGNA CUM LAUDE, *Philosophy*
 Jerome Carlton Samuelson, Minne-
 apolis
 James Ervin Sandstrom, Minneapolis
 David Thomas Sarych, Minneapolis
 Franz Leigh Sattler, Rochester
 Howard Michael Savitt, Golden
 Valley
 Sergej Schachowskoj, Minneapolis,
 MAGNA CUM LAUDE, *History*
 Michael Joseph Schaefer, Austin
 Stephen Harold Schaitberger, Eden
 Prairie
 Stephen Louis Schardin, Richfield
 David Theodore Scheffman, Minne-
 apolis, MAGNA CUM LAUDE, *Mathe-
 matics*
 Valentin V. Scheglowksi, Minne-
 apolis, CUM LAUDE, *Russian*
 Stephen Bryan Schempff, Elk River,
 CUM LAUDE, *Zoology*
 Elizabeth Louise Schick, Mahanomen
 JoAnn Mary Schifsky, Mahtomedi
 Judith Pearl Schiminsky, Minneapolis
 Kathleen Louise Schiminsky, Min-
 neapolis
 James Duard Schmelke, Minneapolis
 Charles William Schmidt, Rochester,
 MAGNA CUM LAUDE, *Psychology*
 Jean Marie Schmidt, Minneapolis,
 SUMMA CUM LAUDE, *French*
- Michael Bolton Schmitz, Piedmont,
 Calif.
 Alan Robert Schmucker, New Ulm
 Kathleen Ann Schneider, West St.
 Paul, MAGNA CUM LAUDE, *French*
 Walter John Schoener, Jr., Minne-
 apolis
 Glenn Henry Schoonover, West St.
 Paul
 Linda Louise Schulte, South St. Paul
 Brenda Jo Mayberg Schwartz, Minne-
 apolis
 Peggy Rae Schwartz, Virginia
 John Cyril Schwebach, Minneapolis
 Sandra Joleen Scobie, A.A., Rochester,
 CUM LAUDE, *Chemistry*
 Norman Wright Scott II, Minneapolis
 Robert Harrington Scott, St. Anthony
 Village
 John Allen Scully, Crookston, CUM
 LAUDE, *Mathematics*
 Donald Gene Seal, Richfield
 Mary Elizabeth Sellner, Hopkins
 Joan Rochelle Senum, Minneapolis
 Alan Dennis Serposs, Rochester
 George Bennet Serrill, Jr., Minne-
 apolis, CUM LAUDE, *Economics*
 Gwendolyn Ann Settergren, Hayfield
 Allison James Seymour, Jr., St. Paul
 John Burk Sharpless II, A.L.A.,
 Wayzata
 Michael James Shea, Minneapolis,
 SUMMA CUM LAUDE, *Psychology*
 Kathleen Margaret Sheehan, Minne-
 apolis
 Mary Susan Shelgren, Freeborn
 Robert Stephen Shiff, Minneapolis
 Betty Jean Shigaki, A.A., St. Paul
 Suzanne Kay Shol, St. Louis Park
 Laurel Owen Sillerud, Rothsay
 Faye Gloria Silver, Minneapolis, CUM
 LAUDE, *Journalism*
 Laura Jo Singher, St. Paul
 Sandra Ethel Sjobeck, Anoka
 William Frederick Skewes, Luverne,
 CUM LAUDE, *History*
 Wesley John Skoglund, Minneapolis
 Alan Wayne Slacter, Minneapolis
 Harold Irvin Slinden, Atwater
 Genora Mary Small, Port Washing-
 ton, N.Y.

Edward James Smith, Minneapolis
James Courtland Smith, St. Paul,
 SUMMA CUM LAUDE, *Child Psychology*

James Robert Smith, Mankato
 Lanny Ray Smith, Minneapolis
 Linda Lou Smith, Minneapolis
 Richard Vadheim Smith, Willmar
 Sandra Lynn Smith, Richfield
 Susan Alice Smith, Minneapolis
Victoria Marie Smith, Minneapolis,
 CUM LAUDE, *English*

Janet Carolyn Dahl Snider, North Branch
 David Arthur Sorensen, Glenville
Lynne Owens Sparks, Excelsior,
 MAGNA CUM LAUDE, *Spanish*

Jeffrey Robert Spartz, Minneapolis
 Richard Harold Speeter, Hopkins
 Judith Ann Carlson Spence, Robbinsdale
 John Edward Sperry, Austin
Janice Maria Stadther, Olivia, CUM LAUDE, German

Kathryn Ricki Steidl, Hopkins
 Kenneth Lee Stein, St. Paul
 Paul Milton Steldt, St. Paul
 Carol Ann Stepan, White Bear Lake
 John Allen Stephen, Mountainside, N.J.

Richard Scott Stephenson, Austin
 Paul Julius Stier, Belle Plaine
 Muriel Lois Stoep, Minnetonka
 Gary Richard Stone, St. Paul
 Larry Lewis Stout, Battle Ground, Wash.

Raymond Stricklen, Minnetonka
 Joan Elizabeth Strommer, St. Paul
 Vera Stumbris, St. Paul
 Ronald Raymond Sturm, Minneapolis
 John Vernon Styve, Minneapolis
 Richard Joel Sukov, Minneapolis
 Kathleen Sulentich, Gilbert
John Lawrence Sullivan, Albert Lea,
 SUMMA CUM LAUDE, *Political Science*

Joseph Lance Sullivan, Edina
 Louise Ann Sundin, Minneapolis
 Mark Lee Sundquist, St. Paul
 Thomas Milton Swadburg, St. Paul
 Sybil Rochelle Swaiman, Minneapolis

Jeanne Lucille Hance Swanson, Minneapolis
 William Ferdinand Swanson, Minneapolis
 Curtis James Sward, A.A., Red Wing
 Arnold Louis Swartz, Minneapolis
 Richard Mark Sweet, St. Louis Park
 Paul Thomas Swenson, Glenwood
 Jay Bennett Syverson, Minneapolis
 William Richard Tahnk, St. Paul
 Bruce Arnold Tamte, Superior, Wis.
 Noyan Mehmet Tanberk, Istanbul, Turkey

David Carroll Tatge, Benson
 David Vassar Taylor, St. Paul
 Grace Eileen Templin, Gibbon
Bruce Lee Temte, Minneapolis,
 MAGNA CUM LAUDE, *Mathematics*

Jo Ann Tenner, Minneapolis
 James Vernon Tennesen, A.A., Lismore
 David Mark Thompson, Minneapolis
 Edward Tobin Thompson, Minneapolis

Anita Kay Thorp, New Brighton
 Perry James Thorvig, Minneapolis
 Harvey Tillipman, Minneapolis
Richard Carl Timming, Crystal, CUM LAUDE, Psychology

Myrna Louise Jenkins Germaine Toivanen, Dexter
 Ronald Joseph Tomsich, Ely
Joan Carol Tonn, Morris, SUMMA CUM LAUDE, Psychology

Constance Jean Bergquist Toth, Minneapolis
 Duane Russell Tow, Jackson
 Carole Suzanne Towne, Worthington
 Craig Wesley Traviss, Minneapolis
 Robert Thomas Trenary, Jr., Anoka
 John William Trolander, Minneapolis
 Mary Lou Troxel, Robbinsdale
 Anne Marie Rimdal Turner, Minneapolis

David Loren Turner, Minneapolis
 George Alan Turner, Minneapolis
 Richard Carl Twite, Stewart
 Mary Michelle Uggan, St. Cloud
 Robert John Ulrich, St. Paul
Darrel Frank Untereker, Minneapolis,
 SUMMA CUM LAUDE, *Chemistry*

Rochelle Marie Urness, Alexandria
 Albert Urspringer, Columbia Heights
 Dennis Dall Vadies, Minneapolis
 John Rue Van Arsdale, A.A., Hopkins
 Charles Wendell Vandersluis, Bemidji
 Lamont K. Van Dover, St. Paul
 Diedra Kay Van Duzee, Riviera
 Beach, Fla.
 Gretchen Marie Van Lith, Rochester
 Dennis Earl Van Norman, St. Paul
 Marguerita Vatter, Ithaca, N.Y.
 Harold Russell Veits, Minneapolis,
 CUM LAUDE, without departmental
 designation
 Janice Heather Verran, Minneapolis
 Marcia Jane Vesely, Hopkins
 Wayne Richard Veum, St. Paul
 Wendell Sidney Vigness, Annboy
 Robert Edward Viking, Annandale,
 MAGNA CUM LAUDE, Speech
 Dale Herman Vollmers, Dumont
 Thomas Eugene Vorpahl, St. Paul,
 MAGNA CUM LAUDE, without de-
 partmental designation
 John Kelly Vucinovich, Duluth
 David Philip Walker, A.A., Tyler,
 SUMMA CUM LAUDE, American Stud-
 ies
 James Robert Walker, Lakefield
 William Martin Wallin, Minneapolis,
 CUM LAUDE, Philosophy
 Virginia Mary Walls, St. Paul, SUMMA
 CUM LAUDE, Psychology
 Jon Lyman Walstrom, Lake City
 Bonnie Kathleen Wapola, New York
 Mills
 Janet Rosalie Warburton, Janesville,
 MAGNA CUM LAUDE, Political Sci-
 ence
 Louis Emmerson Ward, Jr., Rochester
 Diane Mary Warner, Minneapolis
 Dwain Willard Warner, Jr., Minne-
 apolis
 Allan James Wash III, Edina
 Betty Joe Webb, Plain Dealing, La.
 Caroline Lee Webber, Excelsior
 Charlotte Marguerite Weber, St.
 Paul, SUMMA CUM LAUDE, Political
 Science
 Glenn Allan Weber, Minneapolis
 Norman Irwin Weil, Minneapolis
 Robert Frederick Weinhagen, Jr.,
 St. Paul, SUMMA CUM LAUDE,
 History
 Stephen Anthony Weller, Minne-
 apolis
 Susan Jean West, A.L.A., Red Wing
 Kathleen Mary Westerman, Minne-
 apolis
 Joseph Andrew Wheeler, Jr., Mendota
 Heights
 Edith Jean White, Excelsior
 George Byron White, St. Paul
 Mary Ruth White, St. Paul
 David Harry Wick, Minneapolis, CUM
 LAUDE, English
 Iris Carol Wickstrom, North St.
 Paul
 Michael James Wiggins, White Bear
 Lake
 Darwin John Wilde, Lewisville,
 MAGNA CUM LAUDE, Psychology
 Judith Elizabeth Williams, St. Paul
 Bruce Michael Wilson, Minneapolis
 Douglas Scott Wilson, St. Paul
 Judith Ann Wilson, Willmar
 Lawrence Michael Wilson, Atlanta,
 Ga.
 Terry Lee Winters, A.A., Rochester
 Florence MacDonald Wise, Minne-
 apolis
 Carol Jean Kathleen Wolf, Austin,
 SUMMA CUM LAUDE, English
 Joan Marie Mahoney Wolf, St. Louis
 Park
 Richard Thomas Woulfe, Mahto-
 medi, CUM LAUDE, History
 Judy Carol Wray, Minneapolis
 John Henry Wright, Jr., Edina
 Katherine Emi Yanari, St. Louis Park
 Gene Sheldon Yeager, Hopkins
 Dante Kwong-Yau Yip, Hong Kong,
 China
 Brian Lloyd Young, Minneapolis
 Judith Ellen Young, Edina
 Gary Edward Zachman, Minneapolis
 Leonard Joel Zeff, St. Paul
 Roberta Zietlow, Mahtomedi
 William Charles Zucco, St. Paul

UNIVERSITY COLLEGE

Bachelor of Arts

Louis Johnston DeWitt, St. Paul,
CUM LAUDE

Marvin Leslie Gurewitz, Minneapolis
Martha Louise Laird, Minneapolis
Joan Sibyl MacDonald, Wayzata

Mary Beth Peterson, Warren
Susan Rae Reardon, Minneapolis,
CUM LAUDE
Susan Scott Sponsel, Edina

Bachelor of Science

William Flynn Donnelly, New Ulm
David Michael Mordorski, St. Paul,
CUM LAUDE

Thomas Orin Palmby, Arlington, Va.

COLLEGE OF BIOLOGICAL SCIENCES

Bachelor of Science

Beverly Ann Landwehr, Sedan

Herman William Vogt, Jr., Owosso,
Mich.

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Alan Michael Benson, Minneapolis
Richard Newman Berglund, Minne-
apolis, WITH DISTINCTION
Jeffrey Arthur Bohn, St. Paul
Bruce Alton Brock, Richfield
James Henry Bryant, Zimmerman
William Perry Cairns, B.S., Trimont
James Walter Hakanson, Minneapolis
John Louis Holmberg, St. Paul, WITH
DISTINCTION
Duane Thomas Hove, Bricelyn, WITH
HIGH DISTINCTION
Freddie Wayne Lewis, South St. Paul
Richard Byron Lindbergh, Edina,
WITH DISTINCTION
Larry Scott Mueller, Bensenville, Ill.
Michael Joseph Paleen, Minneapolis
Robert Mark Pearson, St. Paul
David Erwin Reynolds, Princeton

Stephen Mark Robbs, Minneapolis
Lawrence Frederick Schumann, Lake
City, WITH DISTINCTION
Elmer Werner Schweitzer, Adrian
James Dow Smith, Elkhorn, Wis.,
WITH HIGH DISTINCTION
Eric Gregory Soderstrom, St. Paul
Gunars Spons, Northfield
William Frank Stubbs, Monticello
Leroy Donald Sturges, Currie, WITH
HIGH DISTINCTION
John Andrew Thompson, Edina, WITH
HIGH DISTINCTION
Ronald Edward Thompson, Owa-
tonna
Joseph Dean Vreeman, Preston
Robert Homer Ward, Crystal
John Bruce Warren, Richfield, WITH
HIGH DISTINCTION

Bachelor of Agricultural Engineering

Kenneth Wayne Arends, A.A., Will-
mar, WITH DISTINCTION
Robert Michael Butler, Bloom-
Prairie
Larry Eugene Christenson, Glenwood

James Joseph Rother, Hampton, WITH
HIGH DISTINCTION
Francis Joseph Wilgen, Sauk Centre,
WITH HIGH DISTINCTION

Bachelor of Architecture

Colebert LeRoy Andrus, Jr., B.A.,
Minneapolis, WITH DISTINCTION
Linda Pahr Bergerson, B.A., Minne-
apolis
Robert Francis Bezek, Hopkins
James Donald Block, Elbow Lake
Francis Aris Bulbulian, A.A., Tehran,
Iran
William Mathew Carlstrom, B.A.,
Minneapolis
Brooks Cavin III, B.A. cum laude,
Minneapolis
Chung Fai Chung, B.A., Hong Kong,
China
Kris Oscar Eggen, Kelliher
Yousif Abdullah Farjo, Iraq
Donald Eugene Flynn, B.S., La
Crosse, Wis.
Daniel Jay Gill, St. Louis Park
Kenneth Sidney Halpern, Chicago,
Ill., WITH DISTINCTION

Dennis Wade La France, Minneapolis
Keun Sup Lee, Seoul, Korea
Ronald Michael Margolis, B.A.,
Minneapolis
William Thomas Meyer, West Salem,
Wis.
Dale Merlin Mulfinger, Stillwater
Carl Ronald Ostberg, Minneapolis
Gerald Lee Peterson, Winthrop
Kurt Eldon Rogness, Hopkins
James Mason Sandell, Minneapolis
Murray Buck Schomburg, A.A.,
Rochester
John Emerson Spalding, Mahtomedi
Donald William Sylvester, St. Paul
John Logan Waugh, B.A., Rochester
Michael Barry Winer, Minneapolis
Richard Peterson Youel, Kewancee, Ill.
WITH DISTINCTION

Bachelor of Chemical Engineering

Roger Russell Alm, Edina, WITH
DISTINCTION
Dixon Edward Brandt, St. Paul, WITH
DISTINCTION
David Lyle Cole, Bloomington Prairie
William Bernard Crouch, St. Paul
Rodney Hugh Doft, Pine City
Curtis Woodrow Frank, St. Louis
Park, WITH HIGH DISTINCTION
Dean LeRoy Guttormson, Windom,
WITH HIGH DISTINCTION
Gilbert Steven Haselberger, St. Paul,
WITH DISTINCTION
Alexander Hnojewy, Minneapolis
Leroy Jarvis Howard, Jr., Hibbing

Douglas Richard Jaquette, Lewiston,
N.Y.
Conrad Frank Kirby, Eveleth
Joseph Bernard Klemp, Jr., St. Paul,
WITH HIGH DISTINCTION
Thomas Allyn Kotnour, Faribault
Joseph Paul Matula, Columbia
Heights, WITH HIGH DISTINCTION
Lawrence Joseph Nowak, Minneapolis,
WITH DISTINCTION
Thomas Roy Pearson, Duluth, WITH
DISTINCTION
Larry Edmund Plowman,
Minneapolis
Ugis Pukite, Champlin

Jerald Albert Scherger, Dodge Center
 Charles Andrew Schultz, Wells
 Maynard Wayne Schultz, Hoyt Lakes,
 WITH DISTINCTION
 Richard Carl Schlin, Minneapolis,
 WITH DISTINCTION
 Anderson Smith, Jr., Mobile, Ala.
 Wickham Gregory Smith, Whittier,
 Calif.
 Joseph John Smrekar, Ely, WITH DIS-
 TINATION

John Bayer Strandberg, Richfield
 Lawrence Edward Strom, Wayzata
 Scott Paul Trushenski, Alexandria,
 WITH HIGH DISTINCTION
 Anthony Clement Tuk, St. Paul
 Mark Norman Widsten, St. Paul
 Raymond George Yokiell, Wells
 Harold John Youngquist, St. Paul
 Gary Kenneth Youngren, Minne-
 apolis, WITH HIGH DISTINCTION

Bachelor of Chemistry

Richard James Anderson, Ortonville,
 WITH HIGH DISTINCTION
 Paul Michael Beckwith, Richfield
 Robert David Berg, Minneapolis
 Leonard Frank Bjeldanes,
 Minneapolis
 Martha Elizabeth Budde Copeland,
 Fairmont, WITH DISTINCTION
 Sivert Rolf Dombu, B. Phys.,
 Twin Valley
 Edward Alvin Engman, Virginia
 Craig Allen Erickson, St. Louis Park
 Christopher C. Felix, Stillwater, WITH
 DISTINCTION
 Clifford Jay Fenlason, Ulen, WITH
 DISTINCTION
 Nathan Reeve Flesness, Minneapolis
 Douglas Charles Hanson, St. Paul,
 WITH HIGH DISTINCTION
 Gary Gene Irish, Savage
 Jo Ann Kathleen Kenny, St. Paul,
 WITH HIGH DISTINCTION

Victoria Ann Kolehmainen, New York
 Mills, WITH DISTINCTION
 Gary Wayne Yoel Kwong, St. Paul,
 WITH DISTINCTION
 James Dale Landmark, Minneapolis,
 WITH DISTINCTION
 Marianne Elizabeth Litzinger, Balti-
 more, Md., WITH DISTINCTION
 Larry Dan Lundmark, Minneapolis
 James Lloyd McGee, Minneapolis
 Gerald Henry Morine, Bloomington,
 WITH HIGH DISTINCTION
 Suzanne Elaine Moshier, Omaha,
 Neb.
 Laurence Allen Nafie, Duluth, WITH
 DISTINCTION
 George Podolsky, Minneapolis, WITH
 DISTINCTION
 Larry Ray Rohrschneider, Hopkins,
 WITH DISTINCTION
 James Lee Schmidt, New Ulm
 Richard Michael Thompson, Thief
 River Falls, WITH DISTINCTION

Bachelor of Civil Engineering

Jerome Otto Ackerman, Omaha, Neb.
 Michael Bruce Berghuis, Clara City
 Gerald Eugene Butcher, Bigelow
 Robert Howard Denkmann, St. Paul,
 WITH DISTINCTION
 Brian Richard Dobie, St. Paul
 Joseph H. Edwards, Wappingers
 Falls, N.Y.
 Robert Peter Fabry, St. Paul
 Thomas Allen Gedde, Fergus Falls

Arthur James Greengard, Jr., South
 St. Paul
 Michael Joseph Hanson, St. Louis
 Park, WITH HIGH DISTINCTION
 Paul Jacob Harms, Clara City
 Robert Dale Hietala, Sebeka
 Paul Martin Jensen, A.A., Albert Lea
 James John Johnson, St. Paul, WITH
 DISTINCTION
 Richard James Kenney, St. Paul

Larry James Magnon, Detroit Lakes
 Russell Owen Maloney, A.A., Austin
 Dennis Raymond Martenson,
 Minneapolis
Jeffery Howard May, Minneapolis,
 WITH DISTINCTION
 Larry Grant Mossengren, Fairmont
 Robert Louis O'Brien, Benson

Sheldon Dale Quist, Minneapolis
 Robert Bernard Roscoe, Albert Lea,
 WITH DISTINCTION
 Scott Elwood Saunders, Bemidji
 Michael Orville Schwalbe, Waconia
 Henry John Schwirtz, B.S.,
 Elizabeth, Ill.
 Willard Ralph Willette II, Mound

Bachelor of Electrical Engineering

James Richard Adams, Jr., Minne-
 apolis
 Carl Fredrick Anderson, Cushing
 Claire Elizabeth Anderson, Golden
 Valley
 Richard James Andree, Duluth
 Gary Lee Baran, Minneapolis
 Gilbert Douglas Baron, Minneapolis
 Ralph Benjamin Bazewicz, Canton,
 Wis.
 Kenneth Howard Beck, Morris, WITH
 HIGH DISTINCTION
 Robert Charles Beck, Minneapolis
 Lorne Howe Belden, Jr., Minneapolis
 David Wesley Bigelow, Rochester,
 WITH HIGH DISTINCTION
 Dennis Lee Bingen, Minneapolis
 Charles Eugene Bond, A.A., New
 Brighton
 Brian Bernard Brady, Minneapolis
 Arthur Elmer Brandli, Warroad
 Arvid James Braun, Minneapolis
 Robert James Brower, Hopkins
 John Robert Buck, Minneapolis, WITH
 HIGH DISTINCTION
 George Donald Bukovich, B.M.E.,
 Fridley
 Stephen Lawrence Butts, Minneapolis,
 WITH DISTINCTION
 Lowell Louis Carpenter, Crystal
 Milo Maurice Chenevert, Crosslake
 Alan Raymond Clark, Menomonie,
 Wis.
 David John Domke, Hutchinson
 Marshall William Eklund, Duluth
 Robert Julian Erlandson, Cokato,
 WITH DISTINCTION
 Bruce Melvin Estes, Minneapolis

Charles Arthur Farel, Robbinsdale,
 WITH HIGH DISTINCTION
 Stanley Bernard Fasching, Winsted
 Curtis William Frandsen, St. Paul
 Dennis Oswald Freund, Adams
 Ronald Edward Frick, Brooklyn Park
 Kenneth Joseph Fuchs, Cold Spring
 John Dix Fulton, Minneapolis, WITH
 HIGH DISTINCTION
 William Gordon Garrett, Duluth,
 WITH HIGH DISTINCTION
 James Lester Gilkinson, Minneapolis,
 WITH HIGH DISTINCTION
 Alfred M. Gladen, Cloquet
 Paul Roy Goldberg, Minneapolis
 Rodney Wayne Graupmann, Plato,
 WITH DISTINCTION
 Bruce Eugene Greene, Dodge Center
 John Patrick Guider, St. Paul
 Richard Allen Gunderson, B.A., Ra-
 cine, Wis., WITH DISTINCTION
 David Arlyn Hagen, Roseau, WITH
 DISTINCTION
 David Jeffrey Hajicek, St. Paul, WITH
 DISTINCTION
 E. Larry Hallblade, A.A., Owatonna
 Carl Bruce Hartness, Canby
 Walter William Heikkila, Duluth
 Gerald Michael Heiling, Redwood
 Falls
 Douglas Michael Heimstead, Eau
 Claire, Wis.
 Herman Held, Minneapolis, WITH
 HIGH DISTINCTION
 Glenn Darwin Hemme, Hardwick
 Kenneth Rand Henke, Minneapolis
 Allen Phillip Hermann, Moose Lake
 Robert Milton Hillis, St. Paul
 Stephen Tracy Hoyt, Minneapolis

Michael John Jacobson, Cambridge, England
Allan Linner Johnson, Jr., Eden Prairie, WITH DISTINCTION
 Jeanne Holcomb Johnson, Excelsior
 Richard Leonard Johnson, St. Paul
 Edwin Carl Joyce, Duluth
 Thomas Chesley Keene, St. Paul
 George Dowd Kennedy, Faribault
 James Irving Kjelland, Gwinner, N.D.
 Adam Kolkowski, Minneapolis
 Wilfred William Kraft, Pine City
 James George Kzaley, St. Paul
 Thomas George Lahn, Anoka
 Michael Jean Lamb, Judson
 Richard Charles Lambert, St. Paul
 Peter Alphonse Lind, Minneapolis
Benard Leroy Lipsy, Grand Rapids, WITH DISTINCTION
 John Richard Litch, A.A., Willmar
 Wayne V. Lundquist, St. Paul
William Paul Luther, Fergus Falls, WITH HIGH DISTINCTION
 James Raymond Machulda, Minneapolis
Mark Thomas Manfred, Edina, WITH DISTINCTION
 William John McMartin, Madelia
 John Eric Mikkonen, Iron
Gary Ingvald Nelson, Elbow Lake, WITH DISTINCTION
 John Harold Nipp, Jr., Mahtomedi
 Stanley Arnold Olson, Mound
 James Joseph Ostendorf, Freeport
 Richard Wallace Owen, Mankato
David Warren Palermo, Mora, WITH DISTINCTION
 Richard Dennis Pasicznyk, B.M.E., Robbinsdale
 Dennis Erling Pedersen, Milaca
 Douglas Malcolm Pihl, St. Paul
 Dwight Jay Pollard, Robbinsdale
 David Michael Quinn, Minneapolis
 Philip Edwin Radichel, Minneapolis
 Robert Steven Reylek, Lindstrom
Thomas Dale Rognlien, Bemidji, WITH HIGH DISTINCTION
 Mohamed Izzat Sabri, B.A., Sudan
Steven Lorne Sandness, Two Harbors, WITH HIGH DISTINCTION
 Gary Herbert Schulte, St. Paul
 Walter Reed Smit, B.S., Elk River
 David Allen Smith, International Falls
 Edward Charles Stelberg, St. Paul
Peter Stephen Stone, Golden Valley, WITH HIGH DISTINCTION
 David Allen Strand, A.A., Brainerd
 Robert Everett Thelen, Northbrook, Ill.
 Wayne Francis Varner, Buffalo
 Charles Edwin Voss, Duluth
Nathan August Wass, Bigelow, WITH DISTINCTION
 Richard Harley Welch, Jr., Minneapolis
Lawrence Charles Welliver, Richfield, WITH DISTINCTION
 Bruce Michael Wheat, West St. Paul
 William Alden Wik, St. Hilaire
Jean Valeria Willems, Cologne, WITH DISTINCTION
Howard Allyn Winther, St. Paul, WITH DISTINCTION
 John Henry Wirz, Anoka
 Ronald Leslie Worner, Wheaton, WITH DISTINCTION
 John Samuel Wright, Minneapolis

Bachelor of Geological Engineering

Edward Mathias Van Eeckhout, Glyndon, WITH DISTINCTION

Bachelor of Mathematics

Thomas Edward Armstrong Minneapolis, WITH HIGH DISTINCTION
 Noble James Beardsley, Sandstone

Patricia Lou Berglund, Scandia, WITH HIGH DISTINCTION
 Gilmore Raymond Braun, St. Paul

Charles Avery Cass, Red Wing
Leslie Jerome Grundhaus, Thief
River Falls
David Alan Gustafson, Eau Claire,
Wis., WITH DISTINCTION
John Patrick Heaton, Moorhead
Richard Cleo Hinrichs, Minneapolis,
WITH DISTINCTION
Michael Dennis Hoy, Minnetonka

Kenneth Ralph Johnson, Red Wing
Thomas Louie Kersten, Minneapolis,
WITH HIGH DISTINCTION
Steven Ronald Kissel, Minneapolis
Mark Frederick Kotrich, Minneapolis
J. Michael Quernemoen, Fergus Falls
Stanley Ross Samsky, Succasunna,
N.J., WITH HIGH DISTINCTION
Charles Victor Weber, Roseville

Bachelor of Mechanical Engineering

Ronald John Adrian, Anoka, WITH
HIGH DISTINCTION
Neil Gary Anderson, Hopkins
Truman Aldean Anderson, Willmar
Harris Ivan Bedney, Hope
Donald Robert Bloyer, St. Paul, WITH
HIGH DISTINCTION
John Reid Coffin, Minneapolis
James William Coleman, Rochester
James Dale Colton, Owatonna, WITH
HIGH DISTINCTION
William Thomas Dixon, St. Paul,
WITH DISTINCTION
James Fred Haleen, Robbinsdale,
WITH DISTINCTION
Paul Lewis Hammel, Owatonna, WITH
HIGH DISTINCTION
Michael Hersch, St. Paul
Kenneth Timothy Heruth, Minne-
apolis, WITH DISTINCTION
Gerald Arthur Johnson, Minneapolis
Neal Stewart Johnson, Windom
Phillip Henning Johnson, Robbins-
dale

James Louis Karalus, Duluth
Maurice Alfred Kildal, Bagley
Norman Ruben Larson, Minneapolis,
WITH DISTINCTION
Franklin Beal Morse, Jr., St. Paul
John David Munter, St. Paul, WITH
DISTINCTION
Glenn Edward Nordling, Hallock
Gary Richard Oberg, Alexandria
Edwin Kazuo Okamoto, Wailuku,
Hawaii
Leonard Chang-Un Park,
Minneapolis
Thomas Dean Peterson, Austin
Ferrol Orrel Robinson, Cartagena,
Colombia
Richard Wadsworth Scott, Maple
Lake
Sheldon Douglas Strom, Minneapolis
Orville Kent Thiel, Wheaton
Loren Alan Torrens, Oakland
James Franklin Tucker, Cloquet
William A. Warren, Jr., Albert Lea
Daniel Theodore West, Minneapolis

Bachelor of Metallurgical Engineering

William Bernard Crouch, St. Paul

Bachelor of Mineral Engineering

Guy Allen Johnson, Hoyt Lakes

Bachelor of Physics

- Eric Evan Aanenson, Edina
Mark Allan Ahlquist, Richfield
Gilbert George Ahlstrand, Cyrus,
WITH DISTINCTION
Paul Eric Andberg, Anoka, WITH
DISTINCTION
Douglas Donald Berkner, Ely, WITH
HIGH DISTINCTION
Robert A. Breun, Columbia Heights,
WITH DISTINCTION
Forrest Dennis Butterwick, Litchfield,
WITH DISTINCTION
Timothy Eric Eastman, Beardsley,
WITH DISTINCTION
David Henry Emme, Hopkins, WITH
DISTINCTION
Keith Robert Gaspard, Richfield
Brendan Berry Godfrey, Minneapolis,
WITH HIGH DISTINCTION
Roger Quentin Gram, St. Paul, WITH
DISTINCTION
Steven Carl Gustafson, St. Paul, WITH
DISTINCTION
Darryl Dallas Holm, Minneapolis
George Demetrius Jelatis, Red Wing
Marvin Elroy Johnson, Wanamingo,
WITH DISTINCTION
- Thomas Lee Johnson, Duluth, WITH
DISTINCTION
Peter Derek Jones, St. Paul
James Cyril Lee, Edina, WITH
DISTINCTION
Frank Taylor Mabley, St. Louis Park
James Keith Nelson, Elbow Lake,
WITH DISTINCTION
Thomas Clifford Olson, Hopkins
Roy William Proue, St. Paul, WITH
HIGH DISTINCTION
Charles Edward Ready, St. Paul, WITH
DISTINCTION
James Matthew Rivers, Minneapolis
Lowell Herbert Rosen, Perham, WITH
DISTINCTION
Stanley Edward Rud, Jr., Richfield
Dwight Mitchell Smiland, Carlinville,
Ill.
Clarence Joseph Tracy, International
Falls, WITH HIGH DISTINCTION
Christopher Robert Willis, Richfield,
WITH DISTINCTION
Laramie Martin Winczewski, Dickin-
son, N.D.

Bachelor of Science in Geology

Charles Fredrick Knigge, Burnsville

Bachelor of Science in Geophysics

- James E. Kavanaugh, Minneapolis
- Richard James Otis, St. Paul, WITH
DISTINCTION

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Technical Certificate in Agriculture

Allan Earl Kephart, Glencoe

Bachelor of Science

- Gary Alan Alberg, Cromwell, Forestry
Darryl Lloyd Anderson, Richfield,
Forestry, WITH HIGH DISTINCTION
Neal James Anderson, Trail, Agriculture,
WITH DISTINCTION
Raymond Earl Arndt, St. Paul, Forestry
Phillip Marshall Arnold, White Bear
Lake, Forestry
Nancy Ann Bahnemann, West St.
Paul, Home Economics
Roger Carl Bangert, A.A., Albert Lea,
Agriculture
William Allie Baum, Two Rivers,
Wis., Forestry, WITH DISTINCTION
Robert Millon Bayly, Duluth, Forestry,
WITH DISTINCTION
Dennis Ralph Bodin, Duluth, Forestry,
WITH DISTINCTION
Timon Bondo, Kenya, Agriculture
Ruth Ann Boorman, Fairmont, Home
Economics
Lyle Dennis Brabender, Montevideo,
Agriculture
Sandra Lee Berkey Bremer, Columbia
Heights, Home Economics
James Lyle Brown, Red Wing, Agriculture
Mary Jo Burns, Richfield, Home Economics
Kay Annette Cargill, St. Paul, Home
Economics
Thomas Darwin Carlsen, Superior,
Wis., Forestry
Julie Anna Carlson, Minneapolis,
Home Economics, WITH HIGH DISTINCTION
Michael Gordon Carter, St. Cloud,
Forestry, WITH DISTINCTION
Alan LeRoy Chapman, Minneapolis,
Forestry
Dennis Peter Christensen, Northfield,
Agriculture
Susan Kay Christopherson, St. Paul,
Home Economics, WITH DISTINCTION
Arlene Melaine Collinsworth, Baudette,
Home Economics
Terrance Mathew Costello, Black-
duck, Forestry, WITH DISTINCTION
Susan Mary Daniewicz, Minneapolis,
Home Economics
Leslie Albert Darling, LaCrescent,
Forestry
George Henry Davis, Jr., Marshall,
Agriculture
Sandra May Kitchell Day, Ada, Home
Economics
Donna Jane Ingram Dickson, Nerstrand,
Home Economics, WITH DISTINCTION
James Francis Disciorio, Mt. Morris,
N.Y., Forestry
Douglas Edward Eggers, Sauk Centre,
Forestry
Wayne Arnold Enquist, Fergus Falls,
Agriculture
Marvin L. Enslin, Frazee, Agriculture
Linda Sue Rietveld Erlandson, Clarks
Grove, Home Economics
Donald R. Errington, Northfield,
Forestry
Bernard Frode Eskesen, Crosslake,
Forestry
Dean Stanley Fairchild, Milan, Agriculture
Vera Louise Fant, Cambridge, Home
Economics
Donald James Fick, Vergas, Forestry
Susan Mary Filipek, Montgomery,
Home Economics
Jon Michael Fogelberg, White Bear
Lake, Forestry
Philip LeRoy Forsline, Cook,
Agriculture
Charles Frederick Gades, Verndale,
Forestry
Jacqueline Luella Gilmore, Roseville,
Home Economics
Gary Edward Gimble, Eitzen, Agriculture
Wayne Henry Gjersvig, Detroit Lakes,
Agriculture
Mark John Goebel, St. Paul, Forestry
Judith Filk Graham, Minneapolis,
Home Economics, WITH DISTINCTION

- William Bennett Graham III, Minneapolis, Agriculture
- James Vernon Groth, Minneapolis, Forestry, WITH DISTINCTION
- Susan Beverly Gundlach, Anoka, Home Economics
- Jeffry Calvin Haas, A.A., Rochester, Forestry
- Carolynn June Halbouty, St. Paul, Home Economics
- Barbara K. Hall, St. Paul, Home Economics
- Dennis Morris Hedman, Minneapolis, Agriculture
- Lorentz Reginald Hegstad, Jr., Bemidji, Forestry
- Kathryn Ann Heinen, Richfield, Home Economics, WITH DISTINCTION
- Jill Elizabeth Heinrich, Edina, Home Economics
- Dennis Albert Heinze, Lake Crystal, Agriculture
- DeWayne Richard Hermanson, Boyd, Agriculture
- Robert Eugene Hess, Pipestone, Agriculture
- Frederic James Hill, Minneapolis, Forestry, WITH DISTINCTION
- Marcia Elizabeth Holmstrom, Warren, Home Economics
- Karen Marie Hoover, Minneapolis, Home Economics
- Kenneth Roger Hujanen, Virginia, Forestry
- James Harry Hulbert, Green Bay, Wis., Forestry, WITH HIGH DISTINCTION
- Steven Parnell Iverson, Lamberton, Agriculture
- Peter Michael Jacobson, St. Louis Park, Agriculture
- Richard William Jahn, A.A., Spring Valley, Agriculture
- George Albert Jennrich, St. Paul, Agriculture
- Charles Edward Jirousek, A.A., Coon Rapids, Forestry
- Gerald Phillip Johnson, Minneapolis, Forestry
- Mary Kay Johnson, Duluth, Home Economics
- Paul Dewey Johnson, Maple Plain, Agriculture
- Randall Lee Johnson, Minneapolis, Forestry
- Sharon Virginia Johnson, Minneapolis, Home Economics
- James Kevin Jordan, South St. Paul, Agriculture
- Robert Francis Joynt, B.S., Albert Lea, Agriculture
- Carolyn Elizabeth Kaplan, A.A., Minneapolis, Home Economics
- Keith Gary Kilen, Greenbush, Agriculture, WITH DISTINCTION
- Jon Thomas Klingel, Minneapolis, Agriculture
- Melvin Allen Knapton, St. Paul, Agriculture
- Lloyd Wayne Knudson, Grand Rapids, Agriculture
- Bruce Erick Kohn, Cloquet, Agriculture
- Patricia Louise Kooser, Mankato, Home Economics, WITH HIGH DISTINCTION
- John David Krantz, Deer River, Forestry
- Dona Marie Kranz, Braham, Home Economics, WITH DISTINCTION
- Wallace Arthur Kresien, Wadena, Forestry
- Kathleen Ann Kretsch, Wayzata, Home Economics
- Carolyn Joann Krogen, Lake Park, Home Economics
- David Weston Kuehn, Excelsior, Agriculture
- Robert R. Kujawa, Clear Lake, Agriculture
- Barbara Jane Kuusisto, Minneapolis, Home Economics
- Kathleen Marilyn Lagerstrom, Marine on St. Croix, Home Economics
- Elaine Ann O'Reilly Laing, Minneapolis, Home Economics
- Joan Marguerite Laituri, Virginia, Home Economics
- Noel David Larson, St. Paul, Forestry

Karen Kathleen Lehmann, Brownston, Home Economics
Terrence Richard Lejcher, Crystal, Forestry, WITH DISTINCTION
 James Richard Lennartson, St. Paul, Forestry
 Neil Richard Leroux, Ladysmith, Wis., Forestry, WITH DISTINCTION
 Richard Carlton Leslie, Chester, Iowa, Agriculture
 Wayne N. LeVasseur, A.A., Oakland, Agriculture
 Thomas Wendell Lowe, Minneapolis, Forestry
 Carol Joyce Ludtke, Frazee, Home Economics
 Paul Arthur Lundberg, Richfield, Forestry
 Michael Thomas Markell, St. Louis Park, Forestry
 Margaret Helen Marks, Golden Valley, Home Economics
 Mark Leon Mason, A.A., Brooklyn Center, Agriculture
 William Clarence Matthews, International Falls, Forestry
 William Micheal McCue, Belle Plaine, Agriculture
 Duncan Scott McGregor, Mapleton, Agriculture
 Earl Raymond Meichsner, Hancock, Agriculture
 Marna Lee Mellberg, Minneapolis, Home Economics
John Arthur Menge, Minneapolis, Forestry, WITH HIGH DISTINCTION
Howard Harold Meyer, Starbuck, Agriculture, WITH DISTINCTION
 James Owen Miggins, International Falls, Forestry
 Dennis Burton Miller, Lake Wilson, Agriculture
 Charles Kenneth Mitchell, Austin, Agriculture
 William George Moebius, Faribault, Agriculture
 Richard Becking Moore, A.A., Rochester, Forestry
 Paul Leslie Morlock, St. Paul, Agriculture
 Edwin Morton, Minneapolis, Forestry
 Donald Earl Mueller, Lake City, Forestry
Jurgen Muller, Meckenheim, Germany, Agriculture, WITH DISTINCTION
 Carol Ellen Nelson, Northfield, Home Economics
 Darrel George Nelson, Minneapolis, Agriculture
 Ernest Elert Nelson, Mahnomon, Forestry
 Ronald Emil Nelson, Shafer, Agriculture
 Judith Mary Olausen, Minneapolis, Home Economics
 Marcus Harlan Olsen, Garfield, Agriculture
Charlotte Rae Olson, Duluth, Home Economics, WITH DISTINCTION
 Jean Ann Parson, Elbow Lake, Home Economics
 Philip Steven Perry, Minneapolis, Forestry
Lowell David Petersen, Markesan Wis., Forestry, WITH DISTINCTION
Dean Edward Peterson, Angus, Agriculture, WITH DISTINCTION
William Joseph Peterson, Houston, Agriculture, WITH DISTINCTION
 Walter George Pfingsten, Grove City, Agriculture
 Gary Arnold Piepkorn, Hewitt, Agriculture
 Robert Edward Pond, Northfield, Agriculture
Roxanne Maureen Radloff, Robbinsdale, Home Economics, WITH DISTINCTION
Terry Lee Raettig, Oshkosh, Wis., Forestry, WITH HIGH DISTINCTION
 Gary Arvid Rantala, Embarrass, Agriculture
 Rodney Clandis Rauk, Nerstrand, Agriculture
Arthur William Rogers, Tracy, Agriculture, WITH DISTINCTION
 Charleen Kay Rolloff, New Ulm, Home Economics
 Donald B. Rosen, Rosemount, Agriculture

Shirley Beth Rottink, Robbinsdale, Home Economics, WITH DISTINCTION
Gene H. Rouse, Olivia, Agriculture, WITH DISTINCTION
Marie Constance Sanderson, Minneapolis, Home Economics
John Lewis Schladweiler, Madison, Agriculture
Larry Albert Schmidt, Eyota, Agriculture, WITH DISTINCTION
Fred John Schomaker, St. Paul, Forestry
Curtis Vernon Sellman, Center City, Agriculture, WITH DISTINCTION
Ronald Charles Severson, Walnut Grove, Agriculture
John Blair Shaffer, Pipestone, Agriculture
Dale Merlin Sleiter, Mora, Agriculture
Ricki Ann Snyder, Minneapolis, Home Economics
Edgar John Sorgatz, St. Paul, Forestry
Constance Ann Strootman, Anoka, Home Economics
Paul Warren Syltie, Porter, Agriculture, WITH HIGH DISTINCTION
Norman Lyle Theiss, Fountain, Agriculture
Gerald Joseph Thiede, Two Rivers, Wis., Forestry, WITH HIGH DISTINCTION
Anita Lee Thompson, Hawley, Home Economics
Donald Gene Thompson, Wausau, Wis., Forestry
Eugene Harmon Thompson, A.A., Oakland, Agriculture
Cristine Marie Trahms, Janesville, Home Economics
Elizabeth Widener Turning, St. Paul, Home Economics
Jean Bernita Vesterso, Munich, N.D., Home Economics
Donald Melvin Vietor, Stillwater, Agriculture, WITH DISTINCTION
David Ellsworth Vold, Glenwood, Agriculture
Thomas Gregory Wagner, Springfield, Agriculture
Richard Linus Wenkel, Mankato, Agriculture, WITH DISTINCTION
Susan Elizabeth Wenzel, Esko, Home Economics
Patrick Corkrey West, Minneapolis, Forestry, WITH DISTINCTION
James Walfred Westberg, Cambridge, Agriculture
Donald Warren Westerman, Montgomery, Forestry, WITH DISTINCTION
Diane Ryan White, St. Paul, Home Economics
Ethel Sonja Wicks, A.A., Austin, Home Economics
Beverly Anne Wong, Minneapolis, Home Economics
Mary Kathleen Fowler Worman, Los Alamos, N.M., Agriculture, WITH HIGH DISTINCTION
Dennis Louie Zak, Ellendale, Agriculture
Carroll John Zietlow, Norwalk, Wis., Forestry
Joseph William Zoldak, Jr., Cornwall, N.Y., Agriculture

COLLEGE OF EDUCATION

Bachelor of Science

Margaret Anne Achter, St. Paul
 Carol Louise Adams, Minneapolis
 Janet Laura Ahl, St. Paul
 Rita Lee Ahlquist, Minneapolis

Judith Kay Allen, Crosby
 Thomas Edward Allen, A.A.,
 Minneapolis

Linda Louise Amley, New Richland,
 WITH HIGH DISTINCTION
David Alan Anderson, Granite Falls
Karen Rae Anderson, New Brighton
Lory Elizabeth Anderson, Albert Lea
Nancy Elise Anderson, St. Louis Park
Virginia Mae Anderson, Minneapolis
Linda Rae Andvik, St. Paul
Sari Appleman, Minneapolis, WITH
 DISTINCTION
Nancy Fay Arntsen, Hopkins
Judith Thompson Backhaus, Henning
Mary Jane Backman, A.A., Rochester
Kathleen Virginia Barrick, St. Paul,
 WITH HIGH DISTINCTION
Mary Laurel Beckman, Minneapolis,
 WITH DISTINCTION
Arleen Ann Bendt, New Brighton
Mary Margaret Berglund, Isanti
Kathleen Margaret Bergman,
 Minneapolis
Mary Ellen Berning, St. Paul, WITH
 DISTINCTION
Norma Corinne Berry, St. Paul, WITH
 HIGH DISTINCTION
Katherine Kerwin Bina, Edina
Beth Ellen Birkeland, Mound
Nancy Kay Blaisdell, Minneapolis,
 WITH DISTINCTION
Myma Rivelle Blank, Minneapolis
Marjorie Ann Boeck, Minneapolis,
 WITH DISTINCTION
Evelyn Anderson Bosin, Minneapolis
Richard Eugene Boyer, St. Paul
William Scott Boyt, Minneapolis
Ruth Olive Bramhall, B.A.,
 Minneapolis
Kenneth Victor Bresin, Askov, WITH
 DISTINCTION
Beverlee Louise Brinkworth,
 Minneapolis
Patrick Brooks, Plainview
Jean Marie Brueshoff, Shakopee
Sharon Ann Beres Brurs, Minneapolis
Constance Laraine Bruton, St. Cloud
Janet Mary Cain, Minneapolis
Marjorie Joan Cappel, Chisholm
Carol Nancy Carlson, St. Paul
Dawn Ethel Carlson, Edina
Dawn Mary Carlson, Minneapolis
Donald Charles Carlson, St. Paul
Joan Marie Carlson, St. Paul
Wayne Robert Carlson, Marshall
Darold Dean Cary, Westby, Wis.
John Edward Cheleen, St. Louis Park
Ramona Jane Cherney, West St. Paul
Thomas Earl Christ, Excelsior
Philip John Cochran, St. Paul
Gloria Anne Commer, St. Paul
Maureen Alice Connors,
 Minneapolis
Carol Joan Cool, Minneapolis
William Richard Costanza,
 Aliquippa, Pa.
Jean Catherine Cowan, South St. Paul,
 WITH DISTINCTION
Susan Jane Craddick, Edina
Betsy Sara Croonquist, Edina
Doreen Anne Cummings, Detroit
 Lakes
Jennifer R. Cutts, St. Paul, WITH
 DISTINCTION
Carolyn Annette Dahl, North Branch
Judith Marie Dahl, St. Louis Park
Kathleen Lou Dahl, A.A., Minne-
 apolis
Weston Francis Dardis, Milford, Iowa
Joseph Anthony DeMuth, Pipestone
Kathryn Alene Denisson, St. Paul
Renee Marie Des Jarlais, A.A.,
 Minneapolis
Donald Delos Dickinson, Jr., B.A.,
 Verndale
Diane Marie Domholt, Minneapolis
Byron Layton Dornberg, B.A.,
 Minneapolis
Charles Arthur Dorniden, A.A.,
 West St. Paul
Cheryll Ann Dutcher, Richfield
Judy Ann Earle, Hopkins
Jerry Marshal Edlund, Minneapolis
Elsie Norha Ek, B.A., Columbia
 Heights
Barbara Ann Eliason, Moose Lake,
 WITH DISTINCTION
Gary Lee Engstrom, Minneapolis
Linda Margaret Forsman Enockson,
 Minneapolis
Barbara Jean Erickson, Minneapolis,
 WITH DISTINCTION
Jean Helen Erickson, Edina
Linda Kay Erickson, Minneapolis

Margaret Gandrud Ericson, B.A.,
 Litchfield
 Nancy Elizabeth Ericson, North St.
 Paul
 Jane Gunderson Evans, St. Paul
 Renee Annette Evans, Princeton
 Patricia Louise Fahey, St. Paul
 Sandra Arlene Faye, B.A.,
 Minneapolis
 Mary Susan Fehlhaber, Willmar
 Darlene Slimak Felegy, Minneapolis
 Mary Diane Felix, Robbinsdale
 Dianne Louise Fielder, Aitkin
 Dennis Harold Finden, South St. Paul,
 WITH DISTINCTION
 Ramona Dianne Fisher, Minneapolis
 Alan Lee Fletcher, Excelsior
 Karen Kristine Flink, Cambridge
 Stephen Paul Fogdall, A.A., Austin,
 WITH DISTINCTION
 Dale Irwin Foreman, St. Paul
 Catherine Linnee Fornell, St. Louis
 Park
 Phyllis Bainton Forsberg, Coon
 Rapids, WITH DISTINCTION
 Charles Morell Forslin, Robbinsdale
 Gary David Fortier, St. Paul
 Kathleen Stocks Foster, Minneapolis
 Susan Mary Fournier, Minneapolis
 Barry Douglas Fox, Hopkins
 Kathleen Fredensborg, St. Paul
 Jane Suzanne Freppert, St. Paul
 James Wesley Fultz, Crystal, WITH
 DISTINCTION
 Jean Gaalaas, Grand Rapids, WITH
 DISTINCTION
 Nola Ann Ganfield, St. Paul, WITH
 DISTINCTION
 Stanley Oliver Gehrke, Lucan
 Mary Patricia Giesen, Delano
 Jane Kathryn Gilje, St. Paul
 Susan Margaret Gillespie, Cloquet,
 WITH DISTINCTION
 Ingrid Juliette Giving, St. Paul
 Timothy Earl Glaros, Minneapolis,
 WITH DISTINCTION
 Bruce Robert Golob, St. Louis Park
 Hinda Harriet Greenberg, Mound
 Susan Tamminen Greene, Virginia
 Kathleen Marie Grundy, A.A., Austin
 Elga Gutmanis, Minneapolis
 Linda Louise Hagstrom, St. Paul
 Mary Jo Jenia Hakanson, Virginia,
 WITH DISTINCTION
 Bonita Jean Halfmann, Stephen, WITH
 DISTINCTION
 Carolyn Jeanne Hall, Minneapolis,
 WITH DISTINCTION
 Joan Margaret Hallen, St. Paul,
 WITH DISTINCTION
 Stephen Lee Halverson, Minneapolis
 Joyce Clare Ham, St. Paul, WITH
 DISTINCTION
 Duane Thomas Hambleton, Isle
 Nancy Rebecca Hancock, St. Paul,
 WITH DISTINCTION
 Marshall Kenneth Hanks, Winnebago
 Darla Marie Hansen, Bloomington
 Kenneth John Haselberger, Jr.,
 Maplewood
 Milton Charles Hassel, International
 Falls, WITH DISTINCTION
 Eugene Lloyd Hatfield, Holcombe,
 Wis.
 Barbara Ann Hathaway, Minneapolis
 Dennis Henry Hazzard, Minneapolis
 Nancy Jean Heisel, Minneapolis
 Darrell D. Heitzman, Hardin, Mont.
 Melanie Louise Helvig, A.A.,
 Winnebago
 Colin Terry Hempel, B.A., St. Paul
 Julie Fleming Henricksson, B.A.,
 Mahtomedi
 Roy Edward Henriksen, St. Paul
 Robert John Henry, Owatonna
 Mary Elizabeth Herman, St. Louis
 Park
 Glenn Lawrence Herzog, Albany
 David Dennis Hesselgrave, Minne-
 apolis, WITH DISTINCTION
 Paul Sven Hetchler, Golden Valley
 Donald Arthur Heuton, A.A., Austin
 Mary Margaret Hill, Northport,
 Long Island, N.Y.
 Lenore Margaret Hirsh, Minneapolis
 Robert Lee Hoberg, Minneapolis
 Eugene Joseph Hokanson, B.A.,
 Minneapolis
 Kathryn Andrea Holmberg, St. Louis
 Park, WITH DISTINCTION
 Marilyn Jean Holmquist, St. Paul,
 WITH DISTINCTION

Linda Louise Holt, North Branch,
WITH DISTINCTION
Sheila Kay Honnold, Aitkin
Clarence John Hormann, St. Cloud
Barbara Josephine Houck, Minne-
apolis
DeWayne Lowell Houston, St. Paul
Candace Jean Hurley, St. Paul
Jon Manville Huttemier,
International Falls
Gary Howard Irwin, A.A., Austin
Rennie Palmer Jackson, St. Paul
Gary Allen Jacobsen, Albert Lea
Miriam Katz Jacobsohn, Hadera,
Israel
Kathleen Faye Jacobson, St. Paul
Christine Gale Jaglo, St. Louis Park
Annette Jean Jenkins, Winnebago,
WITH DISTINCTION
Gwendolyn Buhrer Jensen, Tower
Phyllis Ann Jermsta, Minneapolis
Keith Joseph Johansen, Hastings,
WITH DISTINCTION
Badri Nahvi Johnson, St. Paul
Barbara Ann Johnson, Minneapolis
Elizabeth Gretchen Johnson, St.
Paul
Frances Lea Johnson, Cokato
Georgia Ruth Johnson, Minneapolis
Janice Evonne Nelson Johnson,
Chisago City
Karen Elizabeth Johnson, St. Louis
Park
Kathleen Stina Johnson, Minneapolis
Marcia Joan Johnson, Minneapolis
Raymond Dean Johnson, Long
Prairie
Mary Jensen Jones, Minneapolis,
WITH HIGH DISTINCTION
Barbara Dee Jordan, St. Paul, WITH
DISTINCTION
Ellen Broida Joseph, B.A., St. Paul
Mary Ellen Juusola, Litchfield
Frances Lorraine Reiber Kalas,
Bloomington
Nancy Josephine Kalin, Crystal, WITH
DISTINCTION
Frances Dworkin Kassler, St. Paul
Patricia Rene Katzenmaier, St. Paul
Barbara Jean Kaufmann, St. Paul,
WITH HIGH DISTINCTION

Linda Margaret Keller, Slayton, WITH
DISTINCTION
Diane LaVaughn Kenops, St. Paul
Jack Gordon Kern, Long Lake, WITH
DISTINCTION
Laurie Adair Kevern, Henning, WITH
DISTINCTION
Katherine Kiskinen, Wayzata
Brian Owen Kjellesvig, Minneapolis
Jean Eileen Klein, St. Paul
Joann Shirley Kleinsasser, Richfield
Willis Thomas Klucking, Gaylord,
WITH DISTINCTION
Sandra Jean Knapp, Stewartville
Jerilyn Rae Knitter, Stephen
Jean Anthony Knox, A.A., St. Paul,
WITH DISTINCTION
MaryJo Knudslie, Virginia, WITH
DISTINCTION
Virginia Dianne Koivisto, Cokato
Kathryn Diane Kojetin, Edina
Carolyn Elizabeth Koldon, Glenview,
Ill.
William James Kolling, Spring Valley,
WITH DISTINCTION
Diana Lynn Korhone, Minneapolis,
WITH HIGH DISTINCTION
Pamela D. Koskey, Moose Lake
Judith Ruth Krantz, Waterloo, Iowa,
WITH HIGH DISTINCTION
Karen Kathryn Krcil, Brownton, WITH
DISTINCTION
NancyAnne Evelyn La Belle, Minne-
apolis
Dennis Gale Lander, Minneapolis
Darlyne Evon Bodine Landis,
Minneapolis
Joseph Michael Lane, Proctor, WITH
DISTINCTION
Ingrid Maria Lange, Red Wing
Beverly Fletcher Larson, Minneapolis
Stephen Craig Larson, Fridley
Lyle Clifford Laturno, St. Paul
Jean Dee Lawson, St. Paul
Nancy Sue Lebow, St. Louis Park,
WITH HIGH DISTINCTION
Karen Ann Lee, St. Paul
Deirdre Ann Lellman, Forest Lake
Nancy Kay Lenmark, Minneapolis
Ruth Leyding, Minneapolis, WITH
DISTINCTION

Roxann Lynnea LiaBraaten, Minneapolis, WITH DISTINCTION
 Barbara Ann Lilleberg, Atwater
 Nancy Jane Lindorfer, West St. Paul
 Lois Ruth Ling, St. Paul
 Joseph Ward Linton, South St. Paul
 Nancy Louise Litfin, Walnut Grove
 John Edward Lobben, Minneapolis, WITH DISTINCTION
 Kenneth LaVern Loewen, Mountain Lake
 John Leroy Lothrop, Coleraine
 Anna Jean Lough, Minneapolis, WITH DISTINCTION
 Michele Dianne Louis, St. Paul
 Marie Rita Love, Lac du Bonnet, Manitoba, Canada, WITH DISTINCTION
 James Robert Luadtke, Bemidji
 Jean Marie Ludwig, Minneapolis
 Rosemary Ann Lundberg, Minneapolis, WITH DISTINCTION
 Barbara Joan Lynch, Minneapolis, WITH DISTINCTION
 Virginia Ann Magdanz, Minneapolis
 Jeanette Ilene Manning, Redwood Falls
 Kathryn Louise Markuson, Henning
 Lynn Kay Martin, Edina, WITH DISTINCTION
 Wendy Ann Martin, Edina
 Sara Jane Marvin, Minneapolis
 Shirley Joy Mattson, Ironwood, Mich.
 Wesley Clifford Mattson, B.A., Minneapolis
 Julie Ann Mayer, Richfield
 William Frank McCabe, A.A., St. Paul
 Marilyn Emily McCoy, St. Paul, WITH DISTINCTION
 Nancy Kay McCurry, Minnetonka
 John Ramon McGuire, M.A., Minnetonka
 Michael William McMullen, Onamia
 Robin Alexandra McNee, Roseville
 Susan Gene McWilliams, Crystal Bay
 Patricia Marie Means, Edina
 Patricia Rathbun Messenger, Minneapolis, WITH DISTINCTION
 Donald James Metcalf, Clearbrook
 Gayle Lynn Middag, St. Louis Park
 Sherilyn Kaye Molin, Hopkins, WITH DISTINCTION
 Linda Christine Moore, Hopkins
 Nancy Peterson Moore, B.A., Minneapolis
 Kathleen Marie Mullin, Minneapolis
 Jeanette Ann Neff, St. Paul
 Elaine Sundberg Nelson, Cambridge
 Karen Ann Nelson, St. Paul, WITH DISTINCTION
 Lora Elizabeth Neumeier, Stillwater
 Gail Ann Smith Newsom, Los Angeles, Calif.
 Sandra Joy Niemi, Cloquet
 Rose Mary Nierengarten, Minneapolis
 James Peter Norman, Minneapolis
 Beverly Ann Norrgard, St. Paul
 Rose Ann Norton, St. Paul
 Beverly Jean Novak, Minneapolis
 Gary Michael Nunn, Minneapolis
 Erin Marie O'Brien, St. Paul
 Roger Wayne O'Connor, Walker, WITH DISTINCTION
 Karla Petersen Olive, Minneapolis, WITH DISTINCTION
 Paula Gabrielson Olson, Bloomington
 Ralph Allen Olson, Minneapolis, WITH DISTINCTION
 Sharon Ann Olson, Minneapolis
 Michael Thomas Orman, Hastings
 Janet Rae Orstad, Minneapolis
 Thomas Leo Otis, Isanti
 Carol Jean PaaJanen, Palisade
 Barbara Mary Page, Minneapolis
 Marlys Elaine Page, B.A. cum laude, Silver Spring, Md.
 Katherine Rae Paine, Grand Rapids
 James Benedict Patka, Virginia, WITH DISTINCTION
 Phyllis Elaine Mattsson Paul, Minneapolis, WITH DISTINCTION
 Jeffrey Andrew Payant, Windom
 Linda Eileen Pearlson, White Bear Lake, WITH DISTINCTION
 Gayl Lee Pearson, St. Paul
 Thomas Allan Pegors, B.A., Minneapolis
 Christine Ann Petersen, Rosemount, WITH DISTINCTION

Douglas Howard Petersen, Faimont
 David Carol Peterson, Sauk Centre
 Susan Ann Peterson, Minneapolis
 Loreda Ann Phillips, Eden Prairie
 Nancy Patricia Phillips, Blaine,
 WITH DISTINCTION
 Richard Louis Pisa, Hibbing
 Beverly Jean Plant, A.L.A.,
 Minneapolis
 Bonnie Mae Polansky, St. Paul
 Diane Marie Polzin, Jeffers
 Audrey Jean Provencher, A.A.,
 Nashwauk
 Harriet Epple Rabens, Wayzata,
 WITH DISTINCTION
 Rochelle Sharon Rappaport,
 Minneapolis
 Elizabeth Marie Remus, A.A.,
 Virginia
 Sandra Rose Reuvers, Dundas
 Juliana Mary Revier, Waubun
 Deanna Rae Richeal, Garretson, S.D.
 Douglas Paul Ripley, Bloomington
 Jean Ellen Ronning, Fridley
 William Birger Ronning, Minne-
 apolis, WITH DISTINCTION
 James Webster Rosa, Minneapolis
 Cornelia Howard Rothchild, B.A.,
 Mahtomedi
 Virginia Jean Rowe, South St. Paul,
 WITH DISTINCTION
 Cheryl Lee Rue, St. Paul
 Sharon Louise Russeth, Minneapolis
 Victoria Ann Ruud, Minneapolis
 Barbara Elaine Ryan, St. Paul
 Barbara Hudak Sandberg, Minneapo-
 lis
 Patricia Lou Ladwig Sandstrom,
 Barnesville
 Bruce Allen Sanford, St. Paul
 Rachel Clarissa Sapp, Duluth,
 WITH DISTINCTION
 Carolyn Jo Ann Sawicki, St. Paul
 JoAnn Patricia Schardt, A.L.A., Edina
 Karen M. Anderson Scheibe,
 Minneapolis
 Thomas Clemens Schleck, St. Paul
 David Harry Schlieff, A.A., Pine
 Island
 Roger Eugene Schmitt, St. Paul
 Gail Evelyn Schneider, Red Wing,
 WITH HIGH DISTINCTION
 Sandra Lee Schoenberger,
 Minneapolis
 Susan Mary Schoengart, Richfield
 Karen Kay Shafer, Fargo, N.D.
 Judith Margaret Shanley, St. Paul
 John Burk Sharpless II, A.L.A.,
 Wayzata, WITH DISTINCTION
 John Talbert Sheeks, B.B.A.,
 Minneapolis
 JoAnne Marie Sheldon, St. Paul,
 WITH HIGH DISTINCTION
 Virginia Ann Sherman, St. Paul,
 WITH DISTINCTION
 Donald Edward Shong, Augusta,
 Wis.
 Daryl Lester Sipe, A.A., Crystal
 Lorraine Siwek, Minneapolis
 Susan Monica Skaalerud, Hopkins
 Patricia Jane Skjei, Minneapolis
 Mary Josephine Slettom, St. Paul
 Gloria Jean Snyder, Minneapolis
 Paul Kenneth Sodergren,
 Minneapolis
 Sue-Anne Glazer Solem, B.F.A.,
 Minneapolis
 E. Karen Thoresen Soneson,
 Minneapolis, WITH HIGH
 DISTINCTION
 Sondra Dawn Sprinkling,
 Minneapolis
 Marjorie Ann Stacy, St. Paul
 Carole Winifred Stark, New Brighton
 Gary Lee Steffenhagen, Frontenac
 Karen Sue Stenback, Hopkins
 Carolyn Lund Stivers, White Bear
 Lake
 Marvin Wolfe Stober, Brooklyn, N.Y.
 Martha Jane Stolarik, Edina
 Kathleen Helen Strand, Chisago City,
 WITH DISTINCTION
 Eileen Helen Strom, Minneapolis
 Dale Emil Sturzenegger, St. Paul,
 WITH DISTINCTION
 Agnes Mary Sullivan, West St. Paul
 John Nicholas Sullivan, A.A., St. Paul
 Louise Ann Sundin, Minneapolis
 Joanne Kathleen Svitak, Minneapolis
 Sybil Rochelle Swaiman, Minne-
 apolis, WITH DISTINCTION

Barbara Louise Swanson, Minneapolis
 Carol Pakola Swenson, A.A., Crystal
 Diane Carole Swenson, Willmar
 Susan Shepard Taylor, Minnetonka
 Elizabeth Fairfield Teeson, R.N.,
 Alexandria
 Douglas Charles TeGantvoort, Min-
 neapolis
 Bruce Lee Temte, Minneapolis,
 WITH HIGH DISTINCTION
 Craig Lee Teter, St. Louis Park
 Darryl Bruce Tharalson, B.A., M.S.,
 Litchfield
 Evelyn Brush Thayer, B.A.,
 Minneapolis
 Faye Marilyn Thompson, Thief
 River Falls
 Jacqueline Eleanor Thompson,
 Minneapolis
 Robert Merle Thompson, A.A.,
 Minneapolis
 James Walter Thomson, St. Paul
 Jo Anne Stefanski Thorbeck, B.A.,
 Minneapolis
 Bruce Edward Tipple, Minneapolis
 Rodney G. Tooley, Anoka
 Janet Faddis Tornell, Minneapolis,
 WITH DISTINCTION
 Janet Anderson Tosteson, Minne-
 apolis
 Craig William Trygstad, Mabel
 Marcia Ann Turnquist, St. Paul
 Michele Mary Turton, Robbinsdale
 Roger Lee Twombly, A.A.,
 Brainerd
 Deborah Margaret VanAntwerp, St.
 Paul

Mary Dunsheath Veeder, Minneapo-
 lis, WITH DISTINCTION
 Judith Ann Vick, Minneapolis
 Marilyn Sue Vinokour, St. Louis Park
 Carol Frances Wachter, Minneapolis
 Rita Blanche Wannarka, Comfrey,
 WITH DISTINCTION
 Rebecca Jane Wardell, Edina
 Karen Charlotte Watts, Minneapolis
 Gail Geneva Weber, Richfield,
 WITH DISTINCTION
 Diane Kathryn Wedin, Cannon Falls
 Carol Louise Welch, St. Paul
 Signe Charlene Wersell, Edina
 Douglas Robert White, St. Paul
 Gerald Joseph Wickman, Minne-
 apolis, WITH DISTINCTION
 Mae Elizabeth Williams, Howard
 Lake, WITH DISTINCTION
 Joan Carolyn Winner, Des Moines,
 Iowa, WITH DISTINCTION
 Gertrude Lee Winters, St. Paul, WITH
 DISTINCTION
 Patricia Ann Wolf, St. Paul
 Ronald Michael Wolter, St. Paul
 Marilyn Jean Woyke, Minneapolis,
 WITH DISTINCTION
 Vicki Lynn Wright, Minneapolis
 Richard Helmer Young, St. Paul,
 WITH HIGH DISTINCTION
 Barbara Eileen Graff Zabka,
 Northfield
 Roger Melvin Ziegelman, Alexandria
 Roberta Zietlow, Mahtomedi, WITH
 DISTINCTION

Master of Education

Mary Evelyn Fredenburg, B.S.N.,
 Orlando, Fla.
 Richard Herman Fredericks, B.S.,
 White Bear Lake
 Thomas Louie Kersten, Minneapolis

Jack Arnold Thommen, B.S., Minne-
 apolis
 Carol Hocking Vennes, B.S.N.,
 Minneapolis
 Mary Karen Welle, B.A., St. Cloud

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

- Janet Ann Bock, B.S., Hopkins, Home
Economics Education
- Allen Roger Botten, Hanska,
Agricultural Education
- Linda Joy Brekke, Eden Prairie,
Home Economics Education
- Marilyn Dianne Clausen, Albert Lea,
Home Economics Education, WITH
DISTINCTION
- Charles Edward Cowan, Sioux City,
Iowa, Agricultural Education
- David Alan Dahlquist, Braham,
Agricultural Education
- Carol Ann Dosdall, Hancock, Home
Economics Education,
WITH DISTINCTION
- Peter John Edstrom, Forest Lake,
Agricultural Education
- Carol Ann Fehr, East Grand Forks,
Home Economics Education,
WITH HIGH DISTINCTION
- Michael More Foley, Kelliher,
Agricultural Education,
WITH DISTINCTION
- Everett Clifford Gilbertson, Battle
Lake, Agricultural Education
- Lynette Rae Halverson, Cosmos,
Home Economics Education
- George Milton Hammond, Truman,
Agricultural Education
- Roger Dean Hardy, Sacred Heart,
Agricultural Education,
WITH DISTINCTION
- Shirley Ann Carroll Jackson,
Minneapolis, Home Economics
Education
- Cletus John Janni, New Ulm,
Agricultural Education
- Gordon George Jindra, New
Prague, Agricultural Education
- Mary Jeanne Johnson, St. Louis Park,
Home Economics Education, WITH
HIGH DISTINCTION
- Natalie Kay Johnson, Hutchinson,
Home Economics Education
- Diane Lorraine Jones, Anoka, Home
Economics Education
- Harlan Edwin Kolsrud, Hills,
Agricultural Education
- Janice Kay Kurth, Hutchinson,
Home Economics Education
- Darlene Henrietta Mattson, Cannon
Falls, Home Economics Education
- Patricia Ann McCulley, Maple
Plain, Home Economics Education
- Linda Kay Meacham, St. Paul,
Home Economics Education,
WITH DISTINCTION
- James Frederick Miller, Plato,
Agricultural Education
- Marian Evelyn Miller, Minneapolis,
Home Economics Education
- Barbara Ellen Netz, Long Lake,
Home Economics Education
- Mary Sandra Oberg, Minneapolis,
Home Economics Education
- Herbert Willis Ohm, Albert Lea,
Agricultural Education
- Kathleen Marie O'Malley, Minne-
apolis, Home Economics Education
- Nancy Gasner Peters, Owatonna,
Home Economics Education,
WITH DISTINCTION
- Joseph Carl Peterson, St. James,
Agricultural Education
- William Lewis Peterson, Cromwell,
Agricultural Education
- Eugene Michael Pulles, Wabasha,
Agricultural Education
- Lawrence Richard Putz, Minnesota
Lake, Agricultural Education
- Alice Faye Raina, Cloquet,
Home Economics Education,
WITH DISTINCTION
- Kathleen Ann Ross, Cloquet,
Home Economics Education

Betty Lee Scheffler, Barnesville,
Home Economics Education
Robert Edward Schmoll, Willmar,
Agricultural Education
Beverly Jean Shelstad, Doran,
Home Economics Education,
WITH DISTINCTION
Mary Helen Sletten, Minneapolis,
Home Economics Education
Arthur James Springer, Delavan,
Agricultural Education,
WITH DISTINCTION
Charles Quintin Strack, Blue Earth,
Agricultural Education
Mary Alice Svendsen, Hutchinson,
Home Economics Education
Kathleen Ann Thomas, Luverne,
Home Economics Education

Kay Ione Thorn, Robbinsdale,
Home Economics Education
Roger Joel Torgerson, St. Peter,
Agricultural Education
David Alan Trampe, Long Prairie,
Agricultural Education
Julie Ione Tuominen, Sebeka,
Home Economics Education
Judith Ann Volkenant, Minneapolis,
Home Economics Education
Clifford Doyle Vrieze, Spring Valley,
Agricultural Education
Melvin John Wiens, Bingham Lake,
Agricultural Education
Faith Katherine Zupfer, St. Paul,
Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

Thomas James Ach, Minneapolis
Phillip Michael Amery, Minneapolis
Byron George Anderson, St. Louis
Park
Charles Kenneth Anderson, Osseo,
Wis.
Stephen Kenneth Anderson, Richfield
Warren Donald Arndt, B.M.E., St.
Paul
Douglas Whitney Backstrom,
Minneapolis
Vernon Roger Beck, A.A.,
Minneapolis
Arthur Kenneth Becker,
Minneapolis
Robert Allen Benner, A.L.A.,
Minneapolis
David Harry Benson, Minneapolis
Richard Marshall Berc, Richfield
Brian Bennett Berg, Minneapolis
Steven Mark Bernstein, St. Paul,
WITH DISTINCTION
Terry Charles Bloom, Fridley
Kim Dana Boldthen, Le Sueur
William Owens Bradley,
Minneapolis

Alan Keith Brandon, St. Paul
Ronald Francis Brandon, Minneapolis
Ronald James Burger, Coon Rapids,
WITH DISTINCTION
Robert William Carlblom, Winona
Harold Charles Carlson, Minneapolis,
WITH DISTINCTION
James Gordon Chupurdia, Silver Bay
Philip Edison Clark, Hastings
Stephen Harold Coleman, Minne-
apolis, WITH DISTINCTION
Ladd Robert Conrad, Minneapolis
Thomas Howard Costello, Minne-
apolis
James Harry Cross, Fridley
James Herbert Cushman, Hopkins
Arthur Ronald Desens, Litchfield
Roger B. De Young, St. Paul
James Condon Dimond, St. Paul,
WITH DISTINCTION
Robert Alan Eichenberger, Minne-
apolis
Ronald Elton Ekstrom, Minneapolis
Jon Michael Enger, Austin
David Allen Erickson, Brainerd
Milton James Evenson, A.A., Austin

Robert Harold Ferris, Minnetonka
 Keith Harry Forrester, Minneapolis
 Andris Gailis, Ventspils, Latvia
 Michael Gary Galinson, Minneapolis
 William Lee Ganschmierz, St. Paul
 Fred Charles Gedelman, Minneapolis
Michael Joseph Giefer, St. Paul,
 WITH DISTINCTION
 James Norman Gilbertson, A.A.,
 Fergus Falls
Bruce Warren Gilmore, Minneapolis,
 WITH HIGH DISTINCTION
 Larry William Gleason, Huron, S.D.
 George Garneau Gleeson, Minneapolis
 William Kirk Goodrich, Champlin
 Douglas Allen Greven, Edina
 Dale Gustafson, Hopkins
 Shirley Ardele Hagenbuch, Richfield
 Stephen James Haire, Minneapolis
 Donald Alexander Ham, A.A.,
 Minneapolis
 Richard John Hampton, Hastings
 Dennis Wayne Hanson, Minneapolis
 Merlin Corwin Hanson, Albert Lea
 John Wayne Harris, A.A., Roseville
 Claire Louise Hedemark, Ortonville
 Jon Kurt Heidinger, Minneapolis
 Nicholas Earl Hilt, Edina
 Dennis Joseph Hogan, Biwabik
 Russell Lee Hollingsworth,
 Bloomington
 Darryl Eugene Hoovel, Welcome
 Larry Thomas Hoyme, Jasper
 Roger George Huss, St. Paul
 Charles Edward Jankoski, Stanley,
 Wis.
 Vertus P. Johannsen, St. Paul
 Larry Alister Johnson, Fergus Falls
 Lowell Bing Johnson, Wayzata
 Bruce Allen Jorgensen, Minneapolis
 Jack Michael Kantola, Floodwood
 Anastasios George Karypis, Greece
 Ronald Allen Keith, Minneapolis
 James Raymond Keller, Jr., Winona
 Frederick Leroy King, Cottage Grove
 Judith Marie Kline, Minneapolis
 David Karl Knudson, Grand Rapids
 Kenneth Anthony Kozar, Ely
 Mildred Therese Kramer, St. Charles
 Thomas Kenneth Lanin, Virginia
 Stephen Louis Legler, Minneapolis
 John Walter Lehman, A.A.,
 Rochester
 Dale Bruce Lindman, Minneapolis
 David Wilbert Lock, Wayzata
 Richard Wilton Lofstrand, Minneapolis
 Richard Orville Long, Jr., White
 Bear Lake
 Dennis Thomas Maas, Minneapolis
 Janet Mary March, Minneapolis
 Judith Diana Martinson, Hibbing
 Sharyn Ann Matson, Harmony
Thomas George Mattson, Biwabik,
 WITH DISTINCTION
 Hazel Ruth Mayo, Minneapolis
 Steven Warren McArthur, A.A., Rich-
 field
 Charles William McCracken, Jr., St.
 Paul
 Dennis DeWane McGill, Albert Lea
 William Harold McKinney III, B.S.,
 West St. Paul
 Robert Charles Meehl, Minneapolis
 William Mertz, St. Paul
 Charles Edward Meyer, Minneapolis
 Jerald Leslie Monson, Owatonna
 George William Mooney, St. Paul
 Joan Marie Moyer, Minneapolis
 Mark William Nealy, Adrian
 Rodney Earl Nelsen, Westbrook
 James Earle Nelson, Star Prairie, Wis.
 Marilyn Agnes Nelson, Hallock
 Ogden Jerome Newsom, Minneapolis
 Donal Orvin Nielson, Minneapolis
David Joseph Nisula, Chisholm, WITH
 DISTINCTION
 Michael Reid Noonan, Minneapolis
Alan Paul Norton, Fort Snelling
 WITH DISTINCTION
 Leonard Ferdinand Olson, White
 Bear Lake
 John Stewart Orlemann, St. Paul
 Larry Richard Parnell, Somerset, Wis.
 Richard Gordon Pearson, McKeesport,
 Pa.
 Jack Linn Pfeilsticker, St. Paul
 Robert James Pierre, North St. Paul
 Denis Leon Polley, A.A., Cook
 Paul Melvin Presthus, Rugby, N.D.

Ronald George Prokosch, A.A., North
St. Paul
John B. Pugaczewski, St. Paul
Charles Fredrick Pursley, Minneapolis
Arnold Melvin Radman, Randolph
James Melvin Reineke, Faribault
Gerald Dennis Rice, Minneapolis
John Allen Richardson, Minneapolis
Joseph Russell Riding, Jr., Minne-
apolis
John Joseph Rishavy, St. Paul
Donald Wayne Risler, Minneapolis
George Jeffrey Ritten, Wayzata,
WITH DISTINCTION
Neil Arlen Roadman, Minneapolis,
WITH HIGH DISTINCTION
Charles Henry Robbins, A.A.,
Minneapolis
Robert C. Rosen, Pittsburgh, Pa.
Larry Arthur Rosenberg, Minneapolis
Lance Wayne Rossell, Atwater
Dale Michael Rucker, Springfield,
WITH DISTINCTION
James Andrew Schaefer, Stillwater
JoAnn Monroe M. Schmidt, Milaca
Joseph Christopher Schmitt,
Le Sueur
Verdell Henry Schroeder, Plainview
Ronald Robert Schwachtgen, A.A.,
Robbinsdale
Charles Paul Scott, Inver Grove
Heights
Jeffrey George Scott, Minnetonka
Richard Robert Seitz, Minneapolis
Clayton John Shonka, Hopkins
Raymond Chester Sickler, Jr., White
Bear Lake
Paul Loel Simonson, McGrath
William Lord Simpson, Minneapolis
Robert Thor Skonnord, Minneapolis
Craig Alvin Smith, Minneapolis, WITH
DISTINCTION
Harry Robinson Smith, Minneapolis
Robert Albert Smith, St. Paul, WITH
DISTINCTION
Robert Jeffrey Smith, Adrian
William Fredrick Smith, Minne-
apolis
Hardy Lyle Soderholm, Columbia
Heights, WITH DISTINCTION
Margaret Ann Starkey, St. Paul, WITH
DISTINCTION
James Allen Stephens, Richfield
John Burton Stranberg, Minneapolis
James John Strauss, Minneapolis,
WITH DISTINCTION
Robert James Sutter, Minneapolis
Donald Edward Swanstrom, Golden
Valley
Gary Allen Swoverland, A.A., Minne-
apolis
Douglas Paul Tanner, Minneapolis
Ronald Ernest Teig, Slayton
Gary Roger Thone, A.A.,
Minneapolis
Curtis Lee Tollefsrud, St. Paul
Arthur Ronald Torseth, Cottage
Grove, WITH DISTINCTION
Thomas J. Tschohl, Mankato
Gene Richard Ward, A.A., St. Paul
Dennis Arnold Watkins, St. Cloud
Vaughn Taylor Welling, Minneapolis
William Adson Wellman, Rochester
Ross Ellsworth Whitcher, St. Paul
Kurt Milton Wied, Minneapolis
Stephen Lee Willette, Minneapolis,
WITH DISTINCTION
Kenneth William Wilson, Winnipeg,
Manitoba, Canada
David Anthony Wlaschin, Stillwater
Gary Robert Woeltge, St. Paul
Ronald Dale Wolseth, St. Paul
Joseph Eugene Wyskocil, Roseville
Roger Gordon Zurn, Minneapolis

Bachelor of Science in Economics

Gerard Eugene Allen, Minneapolis
Edward Christian Anderson, South
St. Paul
Dennis Charles Boxrud, A.A., Willmar
Ronald Joseph DeSellier, A.A., Min-
neapolis
James Denys Fenning, Minneapolis
Alfred Charles Fleckenstein, Faribault

Thomas Harris Garrett III, St. Paul
Bruce Rae Gilmore, St. Paul
Edward Willis Glickman, Minneapolis
William Russell Hafing, LL.B., Lakeville
David Alan Johnson, St. Paul
Edward Charles Maranda, St. Paul

Michael Douglas McNair, Fargo, N.D., WITH DISTINCTION
Richard John Miller, St. Paul
William Garwood Moss, Edina
Lester Henry Nielsen, Minneapolis
Wayne Douglas Tritbough, Minneapolis

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Agricultural Business Administration

Harold Peder Anderson, Montevideo
Dale George Baseman, Hutchinson
Eugene Lee Dahms, Clements
Richard Harold Hagman, Rush City
Roger William Haugen, Minneapolis
Harland Bernard Holmquist, Waseca
Leo Herbert Kahnke, Waseca, WITH
DISTINCTION
Willis Dwayne Klaus, Vernon Center
John Henry Klein, Marshall

Myron Gail Lindeman, A.A., Redwood Falls
Richard Wayne Lindgren, Hallock
David Victor Nienow, Northfield
James Hartley Noble, Pelican Rapids
Kenneth Lee Olson, Paynesville
Jerry Lee Schwartz, Isanti
Enno Wulf Trefzger, Dusseldorf, Germany

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Loren Leroy Carver, Minneapolis
Barbara Mae Dahl, Anoka
Gerald Lyle Dean, Cloquet
Kenneth L. Evenstad, Baudette
Irene Joan Gale, Moose Lake
Stephen Neil Gayner, Excelsior
Michael John Gregg, Minneapolis
James Robert Groves, A.A., South St. Paul
David James Helgeson, Roseau
Margaret Ann Herrmann, Lonsdale
Robert Donald Imholte, Minneapolis
John Henry Kritzer, B.A., Waseca
John D. Lindow, Nevis
Elsie Mae Lovsted, A.A., Brainerd

Jean Marie Lutter, Estherville, Iowa
Richard Andrew Macko, B.A., St. Paul
Martha Mae Majeski, Hastings
Catherine Ann Naughton, St. Paul
Robert Allen Nordin, B.A., Lake Lillian
Kenneth John Opatz, Sauk Rapids
Thomas Lowell Pazdernik, Waubun
Mary Catherine Picconatto, Duluth
Kathleen Mary Reagan, St. Paul
Richard James Renner, Caledonia
Diane Marie Rogge, Minneapolis
David Charles Rushenberg, Duluth
Robert Joseph Saumweber, West St. Paul

James Wesley Shaner, Fergus Falls
Kenneth James Stenglein, Waconia
Richard John Streit, St. Cloud
Constance Kathlene Sunderland, St. Paul
John Frederick Sundin, Minneapolis

Richard LaRoy Sundt, Minneapolis
Edwin Michael Swanson, Russell
Donald Clarence Thelen, Waubun
Dace Zimmers, Minneapolis
Richard John Zweber, West St. Paul

LAW SCHOOL

Juris Doctor

J. David Abramson, B.A., Rochester, N.Y.
Richard Jon Ahles, B.A., St. Cloud
Craig Henry Anderson, B.A., Minneapolis
David Boyd Anderson, B.A., Barnesville
Peter David Anderson, B.A., Wadena
Thomas Fredrick Andrew, B.A., Duluth, CUM LAUDE
Robert Russell Barth, B.A., Minneapolis
James William Becker, B.A., Minneapolis
David Thomas Bennett, B.A., Minneapolis
Saul Aaron Bernick, B.S.B., St. Paul
Marshall Jay Besikof, B.A., St. Paul
Gary Ben Bloomquist, B.A., Eveleth
Denis John Boyd, B.A., Duluth
John Hammond Bradshaw III, B.A., St. Paul
Peter Hill Brown, B.A., Edina
Edwin Charles Carpenter, B.A., Des Moines, Iowa, MAGNA CUM LAUDE
Joseph Richard Carroll, B.A., B.S., South St. Paul
Frederick Joseph Casey III, B.A., Brainerd
Brian Thomas Coady, B.A., Minneapolis
LeRoy Allen Colligan, Bagley, CUM LAUDE
Ernest W. Collins, B.B.A., Shreveport, La., CUM LAUDE
Mitchel Hugh Costley, B.A., Two Harbors
James Patrick Cullen, B.A., Minneapolis
Allan Ray DeBoer, B.A., Glenwood
Patrick Joseph Delaney, B.A., St. Paul
John Bert Dennison, B.A., Minneapolis
Richard Dillon Donohoo, B.S., Madison, Wis.
John Englund Drawz, B.A., Duluth
Arthur Adolph Drenckhahn, B.A., Minneiska
James Burton Druck, B.A., St. Paul, CUM LAUDE
Richard William Dufour, Jr., B.A., Minneapolis, CUM LAUDE
Frank Allen Dvorak, B.A. magna cum laude, Austin, MAGNA CUM LAUDE
David James Edstrom, B.A., Minneapolis
Thomas William Elkins, B.A., Rochester
John Andrew Ellefson, B.S., Minneapolis, CUM LAUDE
David Warwick Evans, B.A., Rushford
Thomas Clark Field, B.A., Excelsior
Paul Allan Finseth, B.A., Kenyon
Hubert Vacek Forcier, B.A., Chanhassen, MAGNA CUM LAUDE
Charles Kane Frundt, Blue Earth
Frank Louis Garner, B.A., Minneapolis
John Frederick Gilsdorf, St. Paul
Kurtis Alan Greenley, B.A., Dassel
Charles Ruben Gustafson, B.A., Litchfield
Michael John Haas, B.A., Lamberton
Arthur George Haessig, B.S., St. Paul
Daniel Patrick Haley, B.A., Duluth

Jeffrey Sorger Halpern, B.A., Minneapolis
Lawrence Reuler Halpern, B.A., Minneapolis, CUM LAUDE
 Alan David Harris, B.S.Econ., St. Paul
 Jeffrey Herbert Hartje, B.A., Thief River Falls
 Errol Edward Hauser, B.A., Sleepy Eye
 Ronald James Henke, B.A., Gaylord
 Peter Allen Hoff, B.S.B., Fergus Falls
 Reinhold Frederick William Hollender, B.S., Waukegan, Ill.
 Daniel James Hollihan, B.A., St. Paul
 Andrew James Holt, B.A., Mahtomedi
 Julian James Hook, B.S., M.S., Minneapolis
 John Joseph Horvei, B.A., Fairmont
 Thomas Richard Howe, B.A., St. Paul
 Richard Thomas Ince, B.S.B., Minneapolis
 Franz Peer Jevne III, B.A., Edina
 Don Alan Johnson, B.A., Minneapolis
 William Ira Kampf, B.A., Queens, N.Y.
 William Joseph Keefer, B.A., Minneapolis
 Richard Joseph Keenan, B.A., St. Paul
 Jerome Ronald Klukas, B.A., St. Paul
 Harold Richard Korsh, B.S.Econ., Minneapolis
Fred Charles Krahmer, B.S., Fairmont, CUM LAUDE
 Phillip Rodney Krass, B.S., St. Paul
 David Joseph Kuebelbeck, B.A., Cold Spring
 William van Zandt Lahr, B.A., Minneapolis
 William Shael Lapp, B.A., Minneapolis
 Dexter Allen Larsen, A.A., B.A., Ely
 Gary Ralph Larson, B.A., Cortland, N.Y., CUM LAUDE
 Gerald Tenzer Laurie, B.A., Minneapolis
 Philip Theodore Legendre, B.S., New Athens, Ill.
 Richard Ralph Leuthold, B.S.Econ., Edina
 Larry Burton Leventhal, B.A., St. Louis Park
 Peter William Lindsey, B.A., Minneapolis
Lawrence Albert Lokken, B.A., Benson, MAGNA CUM LAUDE
 Dennis James Maijala, B.A., Kettle River
 John Russell Manning, B.A., New Hope
 Richard Dale Manthei, B.S.Pharm., Albert Lea
 Bryan Anthony Marmesh, B.A., Austin
 James Francis Marrin, B.A., Minneapolis
 John Harold Martin, B.A., Minneapolis
 Mary Omdahl Martin, B.S., Halstad
 Eileen Marie McDonald, B.A., Minneapolis
 Richard Wesley Mensing, B.A., St. Paul Park
 Jon Blythe Middleton, B.A., Marshall
 Maurice Michael Monahan, B.A., St. Paul
 Michael Paul Mossberg, B.A., New York City, N.Y.
 Gail Nelson Murray, B.A., Hibbing
 Luther Philip Nervig, B.A., Williston, N.D.
 Carl John Newquist, B.A., Minneapolis
 Donald Philip Norwich, B.A., Edina
 Richard James Nygaard, B.A., St. Paul
 J. Dennis O'Brien, B.A., Minneapolis
 Melvin Ogurak, B.A. cum laude, B.S., Minneapolis
Faith Lois Ohman, B.A., St. Paul, CUM LAUDE
 Bruce William Okney, B.A., St. Louis Park
 John Dennis Parsinen, B.S.B., Hopkins
 James Garrett Penberthy, B.A., Barron, Wis.
 Richard George Pepin, Jr., B.A., Forest Lake
 James Harold Peterson, B.A., Minneapolis

Stephen Arthur Peterson, B.A.,
 Bloomington
 Thomas Arthur Pfefer, B.A., St. Paul,
 MAGNA CUM LAUDE
 George Edwin Plowman, B.A., Rob-
 binsdale
 Thomas Bernhard Poch, B.A., St. Paul
 Robert Anthony Randall, B.A., Little
 Falls
 Harris Ravine, B.A., Minneapolis,
 CUM LAUDE
 Richard Fredrick Richards, B.A., St.
 Paul, CUM LAUDE
 Ford MacLaughlin Robbins, B.A.,
 Minneapolis
 Thomas Angell Roe, B.A., St. Paul
 Floyd Douglas Rudy, B.S., St. Paul
 James William Rustad, B.Ch.E., Min-
 neapolis
 Dan Thomas Ryerson, B.A., Canby
 Douglas Arthur Schroepel, B.A.,
 Buffalo
 Edward Lester Schwarz, B.M.E., A.A.,
 Vernon Center
 George Gordon Seltz, B.A., Minne-
 apolis
 Neal James Shapiro, B.A., St. Paul
 Richard Earl Shinofield, B.B.A., Fort
 Dodge, Iowa, CUM LAUDE
 Paul Stephen Sigelman, B.A., Minne-
 apolis
 Robert J. Silverman, B.A., Minne-
 apolis, CUM LAUDE
 James Jerome Slaby, Jr., B.S., Aber-
 deen, S.D.
 Benjamin Jay Smith, B.A., Minne-
 apolis
 Lincoln Bunker Smith, Jr., B.B.A.,
 Minneapolis
 Stephen Eaton Smith, B.A., St. Paul
 John Oliver Sonsteng, B.A., Minne-
 apolis
 Richard Franklin Staley, B.A., Huron,
 S.D.
 David Theodore Stall, B.S.B., Minne-
 apolis
 James H. Stewart, B.A., Fargo, N.D.
 Patrick Hanley Stiehm, B.A., Minne-
 apolis
 Denis Lee Stoddard, B.A., York, Neb.
 James Armer Stolpestad, B.A., St. Paul
 Jan Downs Stuurmans, B.A., Minne-
 apolis
 Dennis John Sullivan, B.S., Belgrade
 Joseph Patrick Sullivan, B.A., Tarry-
 town, N.Y.
 Jon Elden Surratt, B.S., Minneapolis
 Frank R. Sushak, B.S.B., Minneapolis,
 CUM LAUDE
 John Jerome Swenson, B.A., Minne-
 apolis, MAGNA CUM LAUDE
 Darrel Arvid Talcott, B.S., Unity,
 Wis.
 Thomas David Tews, B.A., St. Paul,
 CUM LAUDE
 Thomas Raymond Thibodeau, B.A.,
 St. Paul
 George Joseph Tichy II, B.A., Liberty
 Lake, Wash.
 Stephen Stavig Torvik, B.A., Willmar
 John Patrick Tuohy, B.A., Chatfield
 Richard Babcock Tyler, B.S., M.S.,
 Fairmont, CUM LAUDE
 Jerry Harold Udesen, B.A., Duluth
 Thomas Francis Underwood, B.A.,
 Rochester
 Daniel Anthony Utter, B.A., Edina
 George Frederic Vogel, B.A., Red
 Wing
 Charles Joseph Wagner, B.A., Minne-
 apolis
 Robert John Walerius, B.A., St. Paul
 Owen Joseph Wales, B.A., St. Paul
 Edward Jens Wallin, B.A., Minne-
 apolis, CUM LAUDE
 Larry Larson Warren, B.A., St. Louis
 Park
 Leland Somes Watson, B.A., Minne-
 apolis
 Jeffrey Hall Wessel, B.A., Duluth
 Timothy Michael White, B.A., Min-
 neapolis
 Richard A. Wilhoit, B.A., Hopkins
 Mark Edward Wilson, B.A., Sioux
 Falls, S.D.
 Richard David Wilson, B.S.Econ.,
 Minneapolis
 Robert Francis Zoccola, B.A., St. Paul
 John Alfred Zuger, B.A., Bismarck,
 N.D.

COLLEGE OF VETERINARY MEDICINE

Bachelor of Science

- Ben Ayuk Agborbesong, Kembong,
Mamfe, Cameroon, Africa
Eugene Raymond Anderson, Donnelly
Gerald F. Bailey, Redwood Falls,
WITH DISTINCTION
Marcus Ronald Berg, Cyrus
John Roger Broderson, St. Paul
Thomas Dwain Brokken, Harmony
Gary Roy Christian, Fargo, N.D.
Gerald Lee Denisen, A.A., Austin,
WITH DISTINCTION
Stephen E. Dille, Litchfield
Thomas Ellsworth Dougherty, Duluth
Dennis A. Dougherty, Oshkosh, Wis.
Mark Leo Engelbreth, Racine, Wis.
James William Farnham, Hibbing
Frederick Foster Gordon III, St. Louis
Park
Kenneth Lee Greiner, Morris
David Arthur Heinrich, Gaylord,
WITH DISTINCTION
William Bryant Isaacson, Park Rapids
Duane Robert Kissner, Lambertson,
WITH DISTINCTION
John Edward Kolpanen, Owen, Wis.
Stephen Albert LaDue, Elysian
Roger Alan Magnusson, Blooming
Prairie, WITH HIGH DISTINCTION
William Fabian Maher, Vesta
James Anthony Majka, Owen, Wis.,
WITH DISTINCTION
Donald Theodore Maki, Kettle River
Douglas Wayne Mason, Minneapolis,
WITH HIGH DISTINCTION
Lee Howard McDonald, St. Paul
Michael F. McMenemy, St. Paul
- Loyal Charles Monson, Augusta,
Wis., WITH DISTINCTION
Joseph Spencer Norquist, Minneapolis
Alan Duane Olson, Minneapolis
Peter Allan Olson, St. Paul, WITH
DISTINCTION
Andrew Albert Peterson, Hunter,
N.D.
John Clemens Reifenberger, A.A.,
Minneapolis
Charles Schumann Rhodes, Clinton,
Wis., WITH DISTINCTION
John Quentin Rolfson, Bemidji
Patrick John Rooney, Superior, Wis.
Kenneth Alan Rosenberg, St. Paul,
WITH DISTINCTION
Anthony Robert Scheiber, St. Paul,
WITH DISTINCTION
Donald K. Skaife, Blanchardville, Wis.
David Lewis Sly, Farmington
Philip Orme Sonstegard, Marshall
Henry Gilbert Stelling, Millville
David Littlefield Stewart, Minneapolis
Dennis Elliott Sweet, Minneapolis,
WITH HIGH DISTINCTION
Robert Marvin Thompson, Jr.,
Ortonville
Sharon Ann Wachs, Minneapolis
James Francis Weege, Ixonia, Wis.,
WITH DISTINCTION
Loren August Will, B.A., Minneapolis
Warren Dennis Wilson, Red Lake
Falls
Thomas Frederick Winter, Bloomington
Robert Matheson Wood, Jr., St. Paul

Doctor of Veterinary Medicine

- Galen Horatio Adkins, Jr., B.S., Pine
River
Gary Alexis Boorman, B.S., Leonard
Stephen Jerome Brandjord, B.S., Min-
neapolis
William Lee Burnap, B.S., Chatfield
- Russell Wayne Currier II, B.S., Rich-
field, Wis.
Paul Wayne Dettloff, B.S., Grand
Meadow
Gordon Peter deVries, B.S., Ada
Gary Russell Diehl, B.S., Donnelly

Raymond Jon Diemer, B.S. with distinction, Heron Lake
 Offiong Okon Edem, B.S., Calabar, Nigeria
 Cameron Lee Eilts, B.S., Mendota Heights
 Todd Kenwood Fetsch, B.S., St. Paul
 Robert Lewis Fischer, B.S., Linton, N.D.
 Leonard Samuel Fogelson, B.S. Kenyon
 Floyd Ralph Garrett, Jr., B.S., Dallas, Tex.
 Richard Neil Gebhart, B.S., West St. Paul
 Kenneth Lee Greiner, Morris
 David Allen Halvorson, B.S., Chatfield
 Gordon Glen Hamann, B.S., Hardwick
 Douglas Lee Hammer, B.S., Odin
 Eugene Thomas Holmgren, B.S., St. Paul
 David Wayne Jacobs, B.S., Reading
 Richard Paul Klimmek, B.S., Shakopee
 Glenn Ernest Kolb, B.S., Barron, Wis.
 Charles Rodger Kratt, B.S., Morris-town
 Jerzy Krzaczynski, B.S., Milwaukee, Wis.
 Gary Ray Kuehn, B.S., Excelsior
 John Darin Loda, B.S., Milwaukee, Wis.
 Donald Neil McMartin, B.S., Madelia
 Tom Mehlhoff, B.S., Thief River Falls
 William Carl Miller, B.S., B.A., Paynesville
 Margo Ann Myers, B.S., A.A., Eagle River, Wis.
 Donald Allen Oelschlager, B.S., Zumbrota
 Patrick Vernon O'Neil, B.A., B.S., Robbinsdale
 Norman Bruce Purrington, Windom
 James Dale Rundquist, B.S., Minneapolis
 Bernard Anthony Schwetz, B.S., Cadott, Wis.
 George Paul Sedgwick, B.S., St. Paul
 Ian Gilbert Shaw, B.S., St. Vincent
 Kenneth Eugene Speltz, B.S., Minnesota City
 Gary Arnold Steen, B.S., Anoka
 Richard Martin Stelmach, B.S., Arcadia, Wis.
 Robert Michael Stone, B.S., Canby
 Brian Erick Toivola, B.S., Chisholm
 Don D. Vezina, B.S., St. Croix Falls, Wis.
 Frank Albert Voelker, B.S., Solway
 Lyle Paul Vogel, B.S., St. Peter
 Earl Royce Wahlstrom, B.S., Franklin
 Robert Byron Waterman, B.S., Park Rapids

SCHOOL OF DENTISTRY

Graduate Dental Hygienist

Linda Marie Balzer, Minneapolis
 Barbara Jean Bartholdi, White Bear Lake
 Kay Marie Beseth, Wayzata
 Patricia Ann Ciampi, St. Paul
 Judith Elaine Coates, Owatonna
 Laurel Andrea Grega, Minneapolis
 Mary Louise Haider, St. Paul
 Jane Marie Houle, St. Paul
 Lois Ann Jernander, Bangor, Wis.
 Linda Mae Johnson, Minneapolis
 Connie Andrae Koch, Minneapolis
 Merri Edna Krueger, Buffalo
 Mary Lee Lamoureux, Valentine, Neb.
 Nancy Louise Meyer, Rosemount
 Colleen Chevalier Mulder, Willmar
 Trisha Elizabeth O'Hehir, Brooklyn Center
 Elizabeth Lynn Parent, St. Cloud

Patricia Anne Peterson, Le Center
Linda Ann Priebe, Milaca
Rhonda Lynn Rethke, St. Paul
Margaret Ann Ritt, Mahtomedi
JoAnne Robert, Richfield
Judy Louise Rostamo, Richfield

Joyce Eileen Rude, A.A., Dalton
Toni Lee Slavik, Minneapolis
Marcia Haugen Strom, Richfield
Mary Lou Taylor, Minnetonka
Linda Francine Wirz, Champlin
Linda Ann Zuel, Minneapolis

Bachelor of Science

Nobuhiko John Akimoto, B.A., Minneapolis

James Edwin Anderson, Hibbing

Robert Carl Anderson, St. Paul

James Frederick Arndt, Minneapolis

Ronald Raymond Axel, Hopkins

Michael Charles Babcock, St. Peter

Bernard Borkon, Duluth

LeRoy Oakley Brend, Mohall, N.D.

Peter Allan Cameron, B.A., St. Louis Park

Neil Ronald Covin, St. Louis Park

Stephen Errol Dalseth, B.A., Morris

Gary Michael Deloia, Duluth

Theodore Joseph Dengler, Jr., Hibbing

Velma Hildegarde Dyck, Minneapolis,

WITH HIGH DISTINCTION

Bernhard Harold Ellingson, Manvel, N.D., WITH HIGH DISTINCTION

Edward Michael Farsht, St. Paul, WITH DISTINCTION

Wayne Arthur Finnegan, Willmar

David Allen Fleming, Minneapolis, WITH DISTINCTION

Neil Lyons Frederiksen, Winona

Robert Joseph Gibson, Sauk Centre, WITH DISTINCTION

Frederick Carl Groth, Westbrook

Michael Arnedes Haubner, B.A., Carlton

Gary Lee Hill, St. Louis Park, WITH DISTINCTION

Wesley Maurice Hommerberg, Minneapolis

Gary Lee Ingalls, A.A., Rochester

Bruce Russell Jensen, Chetek, Wis.

Stuart Lee Jensen, Albert Lea

Donald John Jeronimus, Jr., Minneapolis

Robert William Jones, St. Paul

Douglas Kenneth Keim, St. Paul

Jack Maurice Kimmerle, Edina

George John Kinney, Jr., Menomonie, Wis.

Michael Richard Kuipers, Mitchell, S.D.

Peter William Kuipers, Mitchell, S.D., WITH DISTINCTION

Victor Ronald Kvikstad, Thief River Falls

M. Hartley La Joy, Duluth

Roger Elmer Layon, Kettle River

John E. Linder, Deer River

Dean Russell Lohmeier, Ada

Michael Bernard Manthei, Mora

James Robert Matteson, A.A., B.A., Olivia

Peter Michael McLinn, Edina

David Robert McPherson, Chinook, Mont.

Kenneth Theodore Meyer, Mankato

Russell Charles Meyer, Kenyon

James Deane Moon, B.A., South Beloit, Ill.

Steven Jon NedreLOW, A.A., Plainview

Howard Michael Noack, Arlington

James Joseph O'Brien, Hopkins

Allan Dudley Olson, Minneapolis

Walter Brewster Parsons, Jr., St. Paul

Lloyd Vernon Pearson, St. Francis

Craig Albert Peterson, Moose Lake

James Curtis Price, Watertown, S.D., WITH DISTINCTION

Stephen Todd Pushing, Olivia

Stephen William Robinson, Richfield, WITH DISTINCTION

Henry Rudy Ronning, Willmar

John Douglas Rosberg, Duluth

Rodney Edward Sandelin, Duluth

Richard Avery Sanford, Sidney, Mont.

Franz Leigh Sattler, Rochester

John Philip Schad, A.A., Rochester
James Richard Scherer, Carlton
Carl Michael Schneider, Bayport
Boyd Jon Schreiber, Minneapolis
Stephen Nicholas Schwartz, Sauk Centre
Norman Wright Scott II, Minneapolis
Thomas Andrew Sipera, Minneapolis
Thomas Lyman Sitzler, Rochester
Terrance Joseph Spahl, St. Paul

Michael Harold Spears, Red Lake Falls
Keith S. Swanson, Minneapolis
Allen Anthony Tighe, St. Paul
Charles Frederick Tremann, Minnetonka
Richard Paul West, B.A., St. Cloud
Darrell William Zenk, South St. Paul
Cortland Glenn Zimbrick, Grand Forks, N.D.

Doctor of Dental Surgery

Nobuhiko John Akimoto, B.A., Minneapolis
David Bruce Albrecht, B.S., Lindstrom
James Edwin Anderson, Hibbing
James Frederick Arndt, Minneapolis
Carl David Bauer, B.S., Minneapolis
R. Richard Belling, B.S., Staples
Steven Edward Bilben, B.S., Walker
Robert Luther Bodin, B.S., Robbinsdale
William G. Boerger, B.S., St. Cloud
David Harold Brandt, B.A., Stillwater
Stephen Paul Broderson, B.S., Rosemount
Steven Edward Brown, B.S., Minneapolis
Gerald Dale Brudvik, B.S., Mohall, N.D.
Patrick Anthony Lawrence Cady, Minneapolis
Jay Lee Chiles, B.S., Aberdeen, S.D.
Frederick William Cina, B.S., Aurora
Cordelia Elizabeth Coltvet, B.A., B.S., Estherville, Iowa
Patrick John Coschignano, Hibbing
David Dahlberg Crane, B.S., Chipewewa Falls, Wis.
William Peter Cruse, B.S., Minneapolis
Rodger Carl Dahlberg, B.S., Duluth
Stephen Errol Dalseth, B.A., Morris
Lowell David Engel, B.S., Lake Wisconsin
Leon Harold Erickson, B.S., Marineon St. Croix

Ronald Robert Evenson, Harmony
James Donovan Fellman, B.S., Red Lake Falls
Gerald Richard Fenske, Strum, Wis.
James Bradley Frederick, B.S., Minneapolis
Frederick Carl Groth, Westbrook
Peter Francis Hampl, B.S., St. Paul
Steven Paul Hauber, White Bear Lake
Michael Armedes Haubner, B.A., Carlton
Gaylen Keith Heggen, B.A., Estherville, Iowa
Chester I. Hegstrom, B.S., Minneapolis
Edward William Henk, B.S., Waverly
James Monroe Hoffman, B.S., Minneapolis
Kenneth Allan Hoffmann, B.A., B.S., Powell, Wyo.
Wesley Maurice Hommerberg, Minneapolis
James Christian Horn, B.A. Duluth
Gary Norman Hulin, B.S., South St. Paul
Thomas Biron Hustad, B.S., Duluth
David William Hyllengren, B.S., B.A., Anoka
Gary Lee Ingalls, A.A., Rochester
Bruce Russell Jensen, Chetek, Wis.
Stuart Lee Jensen, Albert Lea
Carter Francis Johnson, B.S., Duluth
Thomas Glenn Johnson, B.S., Batavia, Ill.
David Benjamin Jones, B.A., Brainerd

Frederick Pennington Kalinoff, Jr.,
 B.S., Stillwater
 Douglas Kenneth Keim, St. Paul
 Gary Alexander Kellam, B.S., Duluth
 Jack Maurice Kimmerle, Edina
 Edward Frank Kishel, Jr., St. Paul
 James Robert Klaassen, B.S., Windom
 Gary William Knerr, B.S., Amery,
 Wis.
 Kent Earl Krez, B.S., Minneapolis
 John Herman Kropp, Jr., B.S., St.
 Cloud
 M. Hartley La Joy, Duluth
 Lauren Richard Lampi, B.S., Grand
 Rapids
 Roger F. Leutz, Hebron, N.D.
 John E. Linder, Deer River
 Stephen Frederick Litton, B.A., B.S.
 with distinction, Minneapolis
 Patrick Francis Mascia, B.S., St. Paul
 James Robert Matteson, A.A., B.A.,
 Olivia
 David Paul Mayer, Sauk Centre
 David Robert McPherson, Chinook,
 Mont.
 Dwain H. Merickel, B.S., Minneapolis
 James Edward Meyer, B.S., West St.
 Paul
 Thomas Henry Miller, B.S. Paynes-
 ville
 Jerome Elvin Mohs, B.A., B.S.,
 South St. Paul
 Edward Joseph Monahan,
 Minneapolis
 James Deane Moon, B.A., South
 Beloit, Ill.

John Alexander Muller, B.S.,
 Annandale
 Donald Owen Nordstrom, B.S., Indus
 David Vernon Olson, B.S., Moorhead
 Bruce Lee Pihlstrom, B.S.,
 Minneapolis
 John Francis Pole, B.S., White Bear
 Lake
 Stephen Todd Pushing, Olivia
 Lawrence John Record, B.S.,
 Bismarck, N.D.
 Richard Charles Render, B.S.,
 Grand Forks, N.D.
 Paul David Rue, B.S., Menomonie,
 Wis.
 Rodney Edward Sandelin, Duluth
 James Richard Scherer, Carlton
 James Arthur Schornstein, B.A., St.
 Paul
 Stephen Nicholas Schwartz, Sauk
 Centre
 Thomas Andrew Siper, Minneapolis
 Thomas Lyman Sitzer, Rochester
 Michael Joseph Skull, B.S., Eveleth
 Glenn James Stratton, B.S., West St.
 Paul
 Michael Ashley Strom, B.S., Olivia
 Keith S. Swanson, Minneapolis
 James I. Swenson, B.S., Fergus Falls
 Thomas Arnold Tranby, B.S., White
 Bear Lake
 Denis Donald Zack, B.A.,
 Minneapolis
 Darrell William Zenk, South St. Paul

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing

Harriet Judith Anderson, Cambridge
 Marcia Kay Anderson, Minneapolis
 Patricia Kathleen Anderson, Edina
 Vicki Carol Anderson, Richfield
 Alice Ann Barnard, Benson
 Julie Ann Bartch, Willow River
 Corrine M. Beck, Minneapolis

Kathleen Louise Beckman, Clear
 Lake, WITH DISTINCTION
 Jean Mary Berg, Minneapolis, WITH
 DISTINCTION
 Doris Arlene Bergstrom, Minneapolis,
 WITH DISTINCTION
 Betsey Serena Bittle, Winona

Judith E. Bolin, Nelson
*Mary Leigh Boyd, Alexandria, WITH
DISTINCTION*
Beverly Dossdall Boyer, Hancock
Valerie Diane Brock, Casper, Wyo.
*Joan Margaret Buchanan, Graceville,
WITH HIGH DISTINCTION*
*Mary Christine Buck, Winona, WITH
DISTINCTION*
Lucille I. Buelow, Minneapolis
Dorothy Makinen Carlson,
Ironwood, Mich.
Pamela Jane Dahl, St. Paul
Florence Elizabeth Deaner,
Minneapolis
Helene Ruth Dyrud, Newfolden
MaryAnn Ruth Edman, Pennock
*Lois Margrethe Erickson, Osakis,
WITH HIGH DISTINCTION*
*Anne Lorraine Feigal, Pine Island,
WITH HIGH DISTINCTION*
Kathryn Mary Fluegel, Morris
Barbara Angela Forte, Minneapolis
Karen Ann Fury, Janesville
*Patricia Ann Gabrielson, White Bear
Lake, WITH DISTINCTION*
Mary Claire Giebenhain, Minneapolis
Donna Holmquist Hambleton, St.
Paul
JoAnn Marie Hanson, Hallock
Elizabeth Irene Hoen, Cologne
Kathleen Mary Hoffmann, St. Paul
Jill Leslie Ivory, Minneapolis
Leanna Hilda Jacobs, Renville
Mary Joan Jacobson, Austin
Beverly Karen Johnson, Duluth
Diane Siekmeier Johnson,
Minneapolis
Margery Constance Johnson, St. Paul
Sandra Kay King, Fairmont
Ellen Marie Komarek, Cicero, Ill.
Janice Joyce Kormanik, Minneapolis
Jane Elizabeth Larsen, Minneapolis
Susan Plank Leighton, St. Paul
*Jan Tupper Lienke, Minneapolis,
WITH DISTINCTION*
*Mary Ellen Lilja, Delano, WITH
DISTINCTION*
Margaret Helen Lommen,
Minneapolis

Cathryn Ann Mahal, Wabasso
Barbara Mary McLaughlin, St. Paul
*Linda Kay Miller, Owatonna, WITH
DISTINCTION*
*Mollie Lee Miller, Edina, WITH DIS-
TINCTION*
Mary Kathryn Moberg, St. Paul
Margaret Rose Mulder, Renville
Linda Gail Nash, Superior, Wis.
Beverly Swenson Nilsson, St. Louis
Park, WITH HIGH DISTINCTION
Kay Margaret Olson, Forest Lake,
WITH DISTINCTION
Merodie Carol Olson, Minneapolis,
WITH DISTINCTION
Susan Elaine Parker, Wadena
Maureen Judith Perry, Albert Lea,
WITH HIGH DISTINCTION
Rita Marsha Podolsky, Minneapolis,
WITH DISTINCTION
Mary Ballard Puphal, Minneapolis
*Janet Marie Reed, St. Cloud, WITH
DISTINCTION*
Betsy Ann Rohrer, Owatonna, WITH
HIGH DISTINCTION
Linda Margaret Rudisuhle, Caledonia,
WITH DISTINCTION
Kay LaVerne Runholt, Marshall,
WITH DISTINCTION
Linda Margaret Ruth, Duluth
Shirley Streeter Scheele, Braham
Mary Jane Schmitt, Minneapolis,
WITH DISTINCTION
Jean Edith Syme, Minneapolis
Lynda Knutson Tewes, Minneapolis
Norma Ann Thompson, Rushmore
JoAnn Tsuchimochi, Minneapolis
WITH DISTINCTION
Ruth Marie Tveit, Floodwood
Bonnie Jean Vathing, R.N., Houston
Virginia Renee Vigen, St. Paul
*Patricia Ann Warneke, Madison,
WITH DISTINCTION*
Mary Ella Small Webster, Cambridge
Lonna Laurene Westberg, Robbins-
dale, WITH DISTINCTION
Joan Ruth Whaley, Minneapolis
Jane Louise Wohlwend, Minneapolis
Marcella Kay Zabel, Plainview

Bachelor of Science

- Roger William Adams, B.A.,
Rochester, Medicine
- William Ward Anderson, B.A. cum
laude, M.A., West St. Paul,
Medicine
- Annette Arosemena, Panama City,
Panama, Medical Technology*
- Paul Bennett Batalden, B.A.,
Minneapolis, Medicine
- James Miles Beckley, B.A., St. Paul,
Medicine
- Ronald Alan Beggs, B.A.,
Minneapolis, Medicine
- Dean Henry Bergersen, Minneapolis,
Medicine
- Wallace Frank Berman, Minneapolis,
Medicine
- William E. Biljan, Wauwatosa, Wis.,
Medicine
- James Andrew Bohrer, B.A.,
Minneapolis, Medicine
- Carolyn Sue Bonde, St. Paul,
Occupational Therapy
- Jean Elaine Buechler, A.L.A., Ames,
Iowa, Physical Therapy, WITH DIS-
TINCTION*
- Richard Stanley Burns, Minneapolis,
Medicine
- Gary Sheldon Carlson, Minneapolis,
Medicine
- Paul Conrad Casperson, B.A.,
Minneapolis, Medicine
- Patricia Kay Christensen, Forest Lake,
Physical Therapy, WITH DISTINC-
TION*
- Betty Ann F. Copeland, St. Paul,
Physical Therapy
- Linda M. Crabtree, St. Paul, Occupa-
tional Therapy, WITH HIGH DISTINC-
TION*
- Paul Harold Crane, St. Paul, Medicine
- Robert John Dahl, Minneapolis,
Physical Therapy
- Lynn Marie DeLapp, Salem, Ore.,
Physical Therapy, WITH DISTINC-
TION*
- Lola Mae Dingemans, Albert Lea,
Occupational Therapy
- Joyce Crystal Drews, Minneapolis,
Occupational Therapy
- Mary Elaine Dutton, Minneapolis,
Occupational Therapy, WITH DIS-
TINCTION*
- Karen Elsie Engeset, Minneapolis,
Medical Technology*
- Marilyn Veta Erickson, Birchdale,
Medical Technology, WITH HIGH
DISTINCTION**
- Wanda Rae Fineran, Pierre, S.D.,
Physical Therapy
- James Patrick Flanagan, Austin,
Medicine
- James Allen Flueck, B.A., St. Paul,
Medicine
- David Lee Frederickson, B.A., Crosby,
Medicine
- Patricia Louise Gallagher,
Minneapolis, Occupational Therapy
- Gloria Jeanne Gebhard, Minneapolis,
Physical Therapy
- G. Scott Giebink, St. Paul, Medicine
- Wallace Anselm Gleason, Jr., St. Paul,
Medicine
- Boyd William Goetzman, Olivia,
Medicine
- David Charles Goodall, New London,
Medicine
- Lewis John Gramer, B.S., Crookston,
Medicine
- Charles Arthur Haislet, B.A.,
Minneapolis, Medicine
- Arlyn Alan Hamann, Hardwick,
Medicine
- Antoinette Harris, Minneapolis,
Occupational Therapy
- Miriam Ione Haugan, Backus,
Medical Technology*
- Aldred A. Heckman, Jr., B.A., St.
Paul, Medicine

* These degrees are conferred subject to the completion of practical work prior to December 16, 1967.

- James Jackson Hendricks, A.M.S.,
Minneapolis, Medicine
- Karen L. Hime, Crookston,
Occupational Therapy
- Karen Marie Hodgeman, Bloomington,
Occupational Therapy, WITH
HIGH DISTINCTION
- Kay Ann Hokenstrom, Minneapolis,
Medical Technology*
- Gail Jeanne Hoppenrath, Minneapolis,
Medical Technology*
- Karen Anne Horning, Minneapolis,
Medical Technology*
- Eugene Orville Hoxtell, Wheaton,
Medicine
- Patricia Anne Imhoff, St. Paul,
Physical Therapy
- Keith Leland Ironside, Jr., B.A.,
Robbinsdale, Medicine
- Marialis Joan Itzen, Herman,
Physical Therapy
- Frederick Warren Johnson, Brainerd,
Medicine
- James Erwin Johnson, Milwaukee,
Wis., Medicine
- Jan Thatcher Kassulke, Burnsville,
Medical Technology, WITH
DISTINCTION*
- Pamela Raye Killian, Jordan,
Occupational Therapy, WITH
DISTINCTION
- John W. Knott, St. Paul, Medicine
- Gladys Elizabeth Knutson, Minneapolis,
Occupational Therapy,
WITH HIGH DISTINCTION
- Robert Sexton Kollen, Minneapolis,
Medicine
- Robert John Korchik, Minneapolis,
Medicine
- Karen Lorene Koski, Virginia,
Medical Technology*
- David Kieran Langworthy, B.A.,
Henderson, Physical Therapy
- Joan Susan Latchaw, St. Paul,
Medical Technology*
- Harold N. Lazar, A.L.A., St. Paul,
Medicine
- Thomas Eugene Leet, B.A.,
Minneapolis, Medicine
- Walter Bertram Leino, Jr.,
Minneapolis, Medicine
- Stephen Arthur Lindahl, Sleepy Eye,
Medicine
- Kathleen Ann Llambes, St. Paul,
Occupational Therapy
- Thomas Lubitz, Brookfield, Wis.,
Medicine
- Marlys Elaine Lund, B.A., Minneapolis,
Medical Technology, WITH
DISTINCTION*
- Donald Delano Lysgaard, A.A.,
Vancouver, Wash., Physical
Therapy
- Robert Henry Maisel, B.A., Brooklyn,
N.Y., Medicine
- Harriet Lee Malin, St. Louis Park,
Physical Therapy
- Susan Marie Marko, Minneapolis,
Occupational Therapy
- Ardyce Elaine Mattson, Minneapolis,
Occupational Therapy
- Mary Alice McGonigle, St. Paul,
Physical Therapy
- Michael Dean Meyer, Clara City,
Physical Therapy, WITH
DISTINCTION
- James Delmar Miller, Meriden,
Medicine
- Christine Myrtle Milli, Bemidji,
Physical Therapy
- Janice Marie Myren, Minneapolis,
Medical Technology, WITH
DISTINCTION*
- Barbara Annette Nelson, Minneapolis,
Occupational Therapy,
WITH HIGH DISTINCTION
- Lynda Lee Nielsen, Brainerd,
Medical Technology*
- Bruce Allan Norback, B.A., Edina,
Medicine
- Diane Alice Oliver, A.L.A., Hill City,
Physical Therapy
- Betty Jean Shaw Olson, Duluth,
Medical Technology*

* These degrees are conferred subject to the completion of practical work prior to December 16, 1967.

- Barbara Ann Patrek, Minneapolis, Occupational Therapy, WITH DISTINCTION*
- Margot Peck, Minnetonka, Physical Therapy, WITH DISTINCTION*
- Jean Diane Pestal, Edina, Medical Technology**
- Garry Freeman Peterson, B.A., Minneapolis, Medicine*
- Diane Elizabeth Pilarski, Hopkins, Physical Therapy*
- Steven Earl Praver, B.A., St. Paul, Medicine*
- Vicky Ann Pulkrabek, A.L.A., Glencoe, Physical Therapy*
- James Leslie Quale, Willmar, Medicine*
- Naomi Margaret Quast, Lester Prairie, Medical Technology, WITH HIGH DISTINCTION**
- Jacquelyn Gerane Radichel, Minneapolis Medical Technology**
- Robert Francis Rafferty, Owatonna, Medicine*
- John Robert Ragan, B.A., Minneapolis, Medicine*
- Janet Anne Rasmussen, Pine Island, Occupational Therapy*
- Margaret Geddes Rasmussen, Ada, Physical Therapy*
- Vincent John Rogalski, Minneapolis, Medical Technology**
- Sharon Marie Rongstad, St. Paul, Physical Therapy, WITH DISTINCTION*
- James Alan Roth, St. Paul, Medicine*
- Gwendolyn Smith Russell, Des Moines, Iowa, Occupational Therapy, WITH HIGH DISTINCTION*
- Susan Alice Scheefe, Edina, Occupational Therapy, WITH DISTINCTION*
- Sharla May Schmidt, Minneapolis, Medical Technology**
- Kathryn Marie Schneider, A.A., Albert Lea, Occupational Therapy*
- John Stuart Shronts, B.A., Edina, Medicine*
- Anita Lynne Slifer, St. Paul, Medical Technology**
- Carol Jean Snoke, St. Paul, Physical Therapy, WITH DISTINCTION*
- Lynn David Solem, Browerville, Medicine*
- Ricki Ann Spelbrink, Mankato, Medical Technology, WITH HIGH DISTINCTION**
- Bert Robert Spence, Robbinsdale, Medicine*
- Joleen Sue Stafford, Grove City, Medical Technology**
- Richard Lee Stennes, Bemidji, Medicine*
- David Dixon Stuart, B.A., Minneapolis, Medicine*
- Janice Mae Swenson, Chisago City, Medical Technology**
- Mary Alice Sykora, Bemidji, Physical Therapy*
- Kathleen Janet Vining, West St. Paul, Physical Therapy*
- Jane Marie Wallentine, Elmore, Occupational Therapy, WITH DISTINCTION*
- Carol Rae Werder, Willmar, Occupational Therapy, WITH DISTINCTION*
- Judith Ann Winter, Hadley, Medical Technology**
- Margaret Ann Wolf, St. Paul, Medical Technology**
- Karen Lynn Zacher, Carlton, Physical Therapy, WITH DISTINCTION*

Master of Hospital Administration

Christian Louis Berneking, B.A.,
Lawrence, Kan.

Wallace Aral Dean Brudvig, B.A.,
Fergus Falls

* These degrees are conferred subject to the completion of practical work prior to December 16, 1967.

Kenneth Russell Clarke, B.A., Regina,
 Saskatchewan, Canada
 John Caleb Cushing, Jr., B.A.,
 Hinsdale, Ill.
 Donald Whittington Davis, B.A.,
 Metuchen, N.J.
 Clay Douglas Edmands, B.S.,
 Minneapolis, Kan.
 James E. Ferguson, B.S., Pueblo, Colo.
 William Robert Gemma, B.A.,
 Clinton, Mass.
 John Anton Graham, B.S., Chicago,
 Ill.
 Riley Millard Green, Jr., B.S., Ada,
 Okla.
 William Boyd Hansen, B.S., Denver,
 Colo.
 Roland R. Hill, B.S., Waconia
 Dwight LeRoy Horn, B.S., Denver,
 Colo.
 Louie Barney Johnson, B.A., Brandon,
 Fla.
 Thomas Frederick Jones, B.S.Pharm.,
 Minneapolis
 Lowell Charles Kruse, B.S., Lake City,
 Iowa
 Fred Edwin Linville, B.S., Columbus,
 Ohio
 Sister Ann Marita Loosen, Kansas
 City, Mo.
 Sister Mary Fabian McCool, B.S.N.,
 Kansas City, Mo.

Bruce John Miller, B.S., Minneapolis
 Charles Lee Miller, B.S.Pharm.,
 St. Marys, Ohio
 Roger Ellis Miller, B.S., West
 Reading, Pa.
 Robert Carroll Mooney, B.S.Pharm.,
 Evanston, Ill.
 Dennis Robert Moser, B.S., Dumas,
 Tex.
 Charles Gaylord Myers, B.A., Crystal
 River, Fla.
 Mervin Dale Nafziger, B.A., Aibonito,
 Puerto Rico
 Robert Frederick Penn, B.S., Shady-
 side, Ohio
 Robert Gordon Scheibe, B.A., Cloquet
 Kenneth Warren Schlenker, B.S., St.
 Louis Park
 George Herbert Schmitt, B.A., St.
 Louis, Mo.
 Joseph Lorin Schumacher, B.B.A.,
 Chilton, Wis.
 Anthony James Spang, B.A., Duluth
 James Norman Verhey, B.S.B.,
 Minneapolis
 Dominador Claveria Vinluan, B.S.,
 Quezon City, Philippines
 John Michael Whalen, B.S., Jackson-
 ville, Fla.
 Edward Zulkowski, B.S.Pharm., Van-
 couver, British Columbia, Canada

Master of Public Health

Robert Dale Angus, B.S., D.V.M.,
 Minneapolis
 George L. Baldwin, B.S., St. Paul
 David Bruce Bechtle, B.S., Syracuse,
 N.Y.
 Charles Allen Bisch, B.S., Meadville,
 Pa.
 Terrence Daniel Carmody, B.S.,
 Whitehall, Mont.
 Cheera Chamnanvanakit, M.D.,
 Thailand
 Roger Lee DeRoos, M.S., Minneapolis
 John James Edward Erben, B.S.,
 M.D., Chicago, Ill.
 Thomas J. Flynn, Jr., B.S., Milwaukee,
 Wis.

David LeRoy Kluck, B.A.,
 Minneapolis
 Andrew John Lynch, B.S., Vancouver,
 British Columbia, Canada
 Walter Joseph Mackey, B.S., D.V.M.,
 Hayfield
 Marion Frederick Mitchell, B.S., St.
 Paul
 Maurice William Moore, D.V.M.,
 Belvidere, Ill.
 Hans Juergen Walter Mueller, B.S.,
 Minneapolis
 C. William Olson, B.S., Logan, Utah
 Gummuluru Venkata Apparao Pantu-
 lu, B.S., M.S., India

Robert Leo Pökorney, D.D.S., Minneapolis	Kenneth Warren Tardif, B.S., Denver, Colo.
Robert Denis Putnam, B.S.Pharm., Carrington, N.D.	Telahun Abebe, B.S., Addis Ababa, Ethiopia
Thomas James Quan, B.A., San Fran- cisco, Calif.	Kenneth Wright Vorpahl, B.Ch.E., Albany
Robert Gilbert Raymond, B.C.E., Mission, S.D.	Richard Allyn Wissell, B.S., McHenry, Ill.
Eddy O. Rios, B.A., Bluefields, Nicaragua	Hussein Abbas Zaki, Cairo, United Arab Republic
Thomas Jay Smith, B.A., St. Paul	

Doctor of Medicine

Dean Edwin Abrahamson, B.S., M.A., Monticello	James Arthur Brockberg, B.S., B.A., Jasper
Robert William Adams, B.A., Rochester	Kenneth Alcuin Broman, Sauk Centre
Charles Putney Allison, B.A., Lake Park	David Shefveland Cannom, B.A., Minneapolis
Duane George Amundsen, B.A., Minneapolis	Paul Conrad Casperson, B.A., Minne- apolis
Barbara Janes Andersen, B.A., B.S., Minneapolis	John Wai Bon Cheng, B.S., Minne- apolis
Joseph Charles Arko, B.S., Hibbing	James Robert Custer, B.S., Milwau- kee, Wis.
Paul Bennett Batalden, B.A., Minneapolis	A Todd Davis, B.A., Ely, Nev.
James Miles Beckley, B.A., St. Paul	Donald Michael DeCourcy, Jr., B.A. <i>magna cum laude</i> , B.S., St. Paul
Ronald Alan Beggs, B.A., Minneapolis	Carol Nancy Dettman, B.A., Minne- apolis
John Webster Benton, B.S., St. Paul	Robert Christoffer Diercks, B.A., Edina
Judith Ferne Bergfalk, B.A., Rush City	Thomas Mathias Donndelinger, B.A., New Trier
John Edward Bergstedt, Jr., B.A., St. Paul	William Michael Doyle, B.S., Minne- apolis
James Norman Bertelson, B.A., Virginia	Charles Kenneth Dunham, B.A., B.S., Richfield
Richard Martin Biery, B.A., B.S., Minneapolis	Elke Dietlinde Eckert, B.A., West St. Paul
John Edward Bjorgen, B.S., Fergus Falls	Mark Ralph Eckman, B.S., Duluth
Sheldon Franklin Bloch, B.A., B.S., Minneapolis	Richard Francis Erpelding, B.S., North St. Paul
David Jon Blomberg, B.A., Minneapolis	Lee Michael Espeland, B.A., Granite Falls
Peter James Boardman, B.A., B.S., St. Paul	George S. Eugster, B.A., Mound
James Andrew Bohrer, B.A., Minneapolis	Charles Milton Evans, B.S., Le Sueur
Daryl Gillespie Brockberg, B.A., St. Paul	Richard Evans III, B.A., Excelsior
	Bonita Elizabeth Falkner, B.A., Glenwood

Harold J. Fletcher, B.S., Clinton
 James Allen Flueck, B.A., St. Paul
 David Lee Frederickson, B.A., Crosby
 Beverly Rose Friedell, B.A., Minneapolis
 Thomas Frederick Gilles, B.S., Benson
 Boyd William Goetzman, Olivia
 David Allen Gortner, B.A., Minneapolis
 Lewis John Gramer, B.S., Crookston
 Ralph Raymond Grams, B.A., B.S., Edina
 John Francis Greden, B.S., Rollingstone
 Joseph H. Greenberg, B.A., B.S., Minneapolis
 Joseph John Gutenkauf, B.A., West St. Paul
 Stephen N. Haas, B.A., Volga, S.D.
 Charles Arthur Haislet, B.A., Minneapolis
 David Karl Haldorsen, B.A., Duluth
 Dea Halverson, B.A., Excelsior
 David F. Harder, B.S., Litchfield
 Gene Raymond Hartmann, B.S., M.S., Clear Lake
 Barbara Jane Hansen Hastings, B.A., Red Oak, Iowa
 Aldred A. Heckman, Jr., B.A., St. Paul
 James Alvin Hengel, Jr., B.S., Superior, Wis.
 Richard Norman Hill, B.A., Stockton, Calif.
 Roy Paul Hodge, B.S., Butte, Mont.
 Ronald Eugene Hoekstra, B.S., Edina
 William John Hogle, B.S., International Falls
 William Baillie Hosfield, B.S., Navarre
 Darel John Hulsing, B.S., Minneapolis
 Ralph D. Hyden, B.S., B.A., Richfield
 Frank Joseph Indihar, B.S., Gilbert
 Keith Leland Ironside, Jr., B.A., Robbinsdale
 Dennis Richard Jacobson, B.S., Park Rapids
 Byron Roy Johnson, B.A., B.S., St. Paul
 Frank Edward Jonnson, Jr., B.A., Minneapolis
 Paul Elmer Johnson, B.S., Virginia
 Gerald Louis Jurgens, B.S., Dickinson, N.D.
 Jeffrey Michael Katz, B.S., Los Angeles, Calif.
 David Vernon Keith, B.A., West St. Paul
 Michael James Kellum, B.A., St. Paul
 Peter Ayubi Kitundu, B.S., Iramba, Tanzania, East Africa
 Lawrence Joseph Klecatsky, B.S., South St. Paul
 Bernard Ross Kliks, B.A., B.S., Portland, Ore.
 David William Knutson, B.A., St. Paul
 Russell Peter S. Knutson, B.S., Renville
 Thomas Patrick Larkin, B.S., Minneapolis
 Allen Lee Lechtman, B.S., St. Paul
 Thomas Eugene Leet, B.A., Minneapolis
 Rosalyn Brown Lepley, A.A., B.S., Santa Rosa, Calif.
 Carolyn Bomsta Levitt, B.A., Minneapolis
 Donald Robert Lynch, Calumet
 Robert Henry Maisel, B.A., Brooklyn, N.Y.
 John Gregory Maley, B.S., St. Paul
 Stephen Clarence Marker, B.S., Two Harbors
 John Franklyn Kermit Marshall, B.S., Maywood, Ill.
 Galen Smith McQuarrie, B.S., Richfield, Utah
 Oksana Mensheha, B.A., B.S., Minneapolis
 Paul S. Monson, B.A., Minneapolis
 Thomas Phillip Monson, B.A., Minneapolis
 James Stuart Moore, Jr., B.A., B.S., Minneapolis
 Patrick Edward Mottram, B.A., St. Paul

Kenneth Arthur Muckala, B.S.,
 New York Mills
 Ronald Craig Myrom, B.A.,
 Sauk Centre
 Andre Jon Nelson, B.A.,
 St. Paul
 Richard Arthur Nelson, B.A., B.S.,
 St. Peter
 James Walpole Neubert, B.A., B.S.,
 Mankato
 Robert Park Newman, B.S.,
 Minneapolis
 Clifford Dale Nielsen, B.A.,
 Minneapolis
 David Greer Nielsen, B.S.,
 Minneapolis
 Robert James Nordberg, B.A., B.S.,
 Minneapolis
 Sarah Ann Nunneley, B.A., Minne-
 apolis
 Michael John Ogg, B.S., Heron Lake
 Clyde Richard Olson, B.A.,
 Glenwood
 LeRoy Delmar Olson, B.S.,
 Fort Snelling
 Madelyn Elvina Olson, B.S.,
 Minneapolis
 Ross Stanley Olson, B.A. *magna cum*
laude, B.S., Minneapolis
 Charles Wilmot Patterson, B.E.E.,
 B.S., Westbrook
 K-Lynn Paul, B.S., Fergus Falls
 David Fink Pfendler, B.S., West
 Lafayette, Ind.
 Glenn Lester Pohlman, B.A., B.S.,
 Lakefield
 John Howard Pratt, B.S., Grand
 Marais
 Richard Alfred Pratt II, B.S.,
 St. Paul
 Steven Earl Praver, B.A., St. Paul
 Robert Reid Prentice, B.A.,
 Hinsdale, Ill.
 James David Priest, B.A.,
 Minneapolis
 William Wright Rodman, B.A.,
 Henning
 Fritz Paul Roschen, B.S., Le Sueur
 Marlin Kenneth Rosin, B.S., Wells
 Carroll Duane Rund, B.S.,
 Hope, N.D.
 Joseph Michael Ryan, B.S.,
 Meriden, Conn.
 Brian David Saine, B.A., Two
 Harbors
 Mark Lawrence Satz, B.A., B.S.,
 Minneapolis
 Robert Louis Scheibel, B.S., Bird Is-
 land
 Robert Albert Schneck, B.A., New
 York City, N.Y.
 John Rudolph Schotzko, B.A.,
 Springfield
 Melvin M. Schwartz, B.A.,
 Minneapolis
 Robert Joseph Selmo, B.S., Norwood
 John Stuart Shronts, B.A., Edina
 Allan David Singer, B.S., Minne-
 apolis
 Michael Timothy Spilane, B.A.,
 Minneapolis
 Alfred Oscar Steldt, B.A.,
 Milwaukee, Wis.
 Michael Donald Stenberg, B.A.,
 B.S., Minneapolis
 Vernon Frederick Strand, B.A.,
 Minneapolis
 Joseph William Tempel, B.A.,
 Winnebago
 John Sivert Tendall, B.A., B.S.,
 Hopkins
 Ordean Lloyd Torstenson, B.A.,
 Dawson
 Victor Henry Tschida, B.S., St. Paul
 Joseph Michael Vigneri, B.S.,
 Minneapolis
 Roger James Vitko, B.A., B.S.,
 Virginia
 Don Wayne Wennberg, B.A., B.S.,
 Thief River Falls
 Robert William Westafer, Hopkins
 Stuart Paul Westburg, B.A.,
 Minneapolis
 Michael Eugene Yablonski, B.S.,
 Minneapolis
 Bruce Robert Zimmerman, B.A.,
 St. Paul
 Donald Edward Zimmerman, B.S.,
 New Brighton

GRADUATE SCHOOL

Master of Architecture

Timothy LeRoy Stone, Minneapolis
B.A. '62, B.Arch. '65, University of Minnesota. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

Shashi Mohan Suri, New Delhi, India
B.Arch. '62, University of Delhi. Major: Architecture. Thesis: Design for District Center, Pusa Road New Delhi. Major Adviser: Prof. W. K. Vivrett.

Master of Arts

Darcy Oman Abrahams, San Diego,
Calif.

B.A. *summa cum laude* '63, University of Minnesota. Major: Psychology. Minor: Statistics. Thesis: Social-Psychological Deception and Post-Debriefing Consequences. Major Adviser: Prof. E. C. Walster.

Josefina Galenzoga Agawin, Cagayan
de Oro City, Philippines

B.S.E.Ed. '60, Lourdes College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force.

Rose Scottenbauer Andersen, Hopkins
B.S. '56, University of Minnesota. Field of Concentration: Home Economics Education. Major Adviser: Prof. R. F. Ford.

Charles Frederick Anderson,
Minneapolis

B.A. '66, University of Minnesota. Field of Concentration: Spanish. Major Adviser: Prof. W. T. Pattison.

Emmett Derald Anderson, Ogema,
Wis.

B.S. '55, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Ronald Floyd Anhorn, Austin

B.S. '63, University of Minnesota. Major: Political Science. Minor: Sociology. Thesis: An Analysis of State Constitutional Law on the Separation of Church and State. Major Adviser: Prof. F. J. Sorauf.

Marion Wilhelmina Ario, Duluth

B.S. '46, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. F. Gum.

Paul Derwood Arnold, Roseville

B.A. *cum laude* '49, Concordia College. Field of Concentration: Clinical Psychology. Major Adviser: Prof. J. N. Butcher.

Alice Ann Baldwin, Minneapolis

B.A. *cum laude* '61, Hamline University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. C. Chase.

Jeffry Parker Barnes, Minneapolis

B.A. *magna cum laude* '63, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

James Robert Baron, Royalton

B.A. '64, Catholic University of America. Field of Concentration: Classics. Major Adviser: Prof. R. P. Sonkowsky.

Margaret Barrows, Wayzata

B.A. '62, University of Minnesota. Field of Concentration: Japanese. Major Adviser: Prof. E. M. Copeland.

Thomas Evjen Beaver, Kasson

B.A. '57, St. Olaf College. Field of Concentration: Art Education. Major Adviser: Prof. W. R. Hastie.

John Louis Benson, Superior, Wis.

B.S. '57, Wisconsin State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. G. F. Firth.

Anna Moore Biederman, Red Wing

B.S. '65, Winona State College. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

Curtiss Carlton Blake, Bloomington

B.S. '65, University of Minnesota. Major: Music. Minor: Music Education. Thesis: Concerto for Band. Major Adviser: Prof. Paul Fetler.

Dennis Duane Braun, Rochester

B.A. *cum laude* '65, University of Minnesota. Field of Concentration: Sociology. Major Adviser: Prof. W. M. Gerson.

Ann MacLaurin Brooke, Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. J. G. Darley.

Jane Bruce, St. Paul

B.A. *cum laude* '62, University of Minnesota. Field of Concentration: Linguistics and Comparative Philology. Major Adviser: Prof. R. A. Narvaez.

**Gene Darwin Buckley, Forest City,
Iowa**

B.A. '60, Concordia College. Field of Concentration: Education. Major Adviser: Prof. A. E. Smith.

Harriet Moriarty Burns, Edina

B.S. '42, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. B. Wilderson.

Dennis Monroe Clausen, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. D. W. Noble.

Patrick J. Creamer, Minneapolis

B.A. '56, University of Minnesota. Major: Industrial Relations. Minor: Psychology. Thesis: *The Modern Labor Union: A Quasi-Governmental Agency under Federal Legislation*. Major Adviser: Prof. H. G. Heneman.

Gene Rodney Danielson, Duluth

B.S. '54, University of Minnesota; B.D. '60, North Park Theological Seminary. Field of Concentration: Educational Psychology. Major Adviser: Prof. J. D. Duker.

Ann Meredith Davis, Argyle, Wis.

B.S. '65, University of Wisconsin. Field of Concentration: Speech Pathology. Major Adviser: Prof. G. M. Siegel.

Jane Spector Davis, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. J. B. Wolf.

**Katherine Guldberg Doepke,
Minneapolis**

B.S. '44, University of Minnesota. Field of Concentration: Music Education. Major Adviser: Prof. A. F. Caswell.

**Mary Louise Poquette Dudding,
Minneapolis**

B.A. '62, Wellesley College. Field of Concentration: Geography. Major Adviser: Prof. J. R. Borchert.

Edward Richard Dunn, St. Paul

B.S. '61, University of Minnesota. Field of Concentration: Industrial Education. Major Adviser: Prof. Jerome Moss, Jr.

**Curtis William Ellison, Sumiton,
Ala.**

B.A. '65, University of Alabama. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

**Edna Hector Erickson, Grand
Rapids**

B.S. '40, St. Cloud State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

**Marlene Johnson Erickson,
Minneapolis**

B.A. *cum laude* '63, University of Minnesota. Field of Concentration: Music. Major Adviser: Prof. D. J. Argento.

Donald Dewey Fogelberg, St. Paul

B.A. '60, B.S. '61, University of Minnesota. Field of Concentration: Speech, Communication and Theatre Arts. Major Adviser: Prof. A. H. Ballet.

Robert Fredric Frevert, Mound

B.A. '47, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. J. G. Darley.

**Mary McCanney Gebhart, St. Louis
Park**

B.S. *cum laude* '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

**Kenneth Myron Glatt, San
Francisco, Calif.**

B.A. '65, University of California (Berkeley). Field of Concentration: Clinical Psychology. Major Adviser: Prof. R. D. Wirt.

Edward Leonard Gleeman, St. Paul

B.A. '62, University of Minnesota. Field of Concentration: Art History. Major Adviser: Prof. D. T. Tselos.

Donald Ellsworth Gustafson, Esko
B.S. '57, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. M. Milbrath.

David Gilbert Hahn, Coon Rapids
B.S. '61, Macalester College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Alice Mae Halvorson, Princeton
B.S. '65, Iowa State University. Field of Concentration: Speech Science, Pathology, and Audiology. Major Adviser: Prof. R. R. Martin.

Robert Graham Halvorson, Willmar
B.S. '61, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. B. Wilderson.

Paul Andrew Hamre, Minneapolis
B.A. *cum laude* '57, Augsburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. E. Gardner.

Roger Allan Hanson, Minneapolis
B.A. '64, Concordia College. Major: Political Science. Minor: Philosophy. Thesis: *The Relationship Between Martin Luther's Political Ideas and the Obedience of German Lutherans to Nazi Rule.* Major Adviser: Prof. M. Q. Sibley.

Robert Milton Hays, Secane, Pa.
B.A. '62, State College of Iowa. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Ada Gay Hegion, Blairmore, Alberta, Canada
B.A. '59, University of Alberta. Field of Concentration: Child Psychology. Major Adviser: Prof. B. K. Ruebush.

Alexia A. Henderson, West Sacramento, Calif.
B.A. *magna cum laude* '64, Pacific Lutheran University. Major: Mathematics. Minor: Philosophy. Thesis: *Primary Decompositions in Multiplicative Lattices.* Major Adviser: Prof. G. E. Keller.

Rosalie Darm Henley, Duluth
B.A. *magna cum laude* '65, College of St. Scholastica. Field of Concentration: English. Major Adviser: Prof. W. P. Glick.

Joseph Marshall Horn III, Stillwater, Okla.
B.S. '63, Oklahoma State University. Field of Concentration: Psychology. Major Adviser: Prof. Auke Tellegen.

Burton Russell Hoverson, Richfield
B.S. '58, University of Minnesota. Field of Concentration: Industrial Education. Major Adviser: Prof. Jerome Moss, Jr.

Grace Ann Hovet, St. Paul
B.A. '61, College of St. Catherine. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Donald Eliot Jackson, Brainerd
B.A. '65, University of Minnesota. Major: Music. Minor: Related Fields. Thesis: *Concerto for Piano and Orchestra.* Major Adviser: Prof. Paul Fetler.

Richard Marvin Jacobson, New Brighton
B.S. '61, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Crawford.

Sherrill Colette Jacotel, Moorhead
B.A. '63, University of Minnesota. Field of Concentration: Spanish. Major Adviser: Prof. W. T. Pattison.

Beverly Irene Jensen, Minneapolis
B.S. '54, Macalester College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. V. Goossen.

Eugene Henry Jenson, Fairfax
B.S. '59, Mankato State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Ronald Albert Jobe, Edmonton, Alberta, Canada
B.Ed. '64, University of Alberta. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. C. Chase.

Lary Robert Johnson, Minneapolis
B.S. with distinction '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Ronald Francis Johnson, Sauk Rapids
B.S. '58, St. Cloud State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. H. Boeck.

Thomas Julius Johnson, St. Paul

B.A. *cum laude* '61, Bethel College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. P. Pearson.

Ronald A. Johnstone, White Bear Lake

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

Stefan James Kapsch, Ely

B.A. *cum laude* '64, University of Minnesota. Major: Political Science. Minor: Sociology. Thesis: Municipal Court Sentencing: A Study of Trial Court Decision-Making. Major Adviser: Prof. Samuel Krislov.

Elizabeth May Katz, Clinton, N.Y.

B.A. *cum laude* '61, Goucher College. Field of Concentration: History. Major Adviser: Prof. D. W. Noble.

Karin Kausch-Blecken von

Schmeling, Duisburg, Germany

Referendar '58, Goettingen University. Field of Concentration: American Legal Institutions. Major Adviser: Prof. C. A. Amerbach.

Bonita Ellen Brandt Kline, Bloomington

B.S. with distinction '63, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. H. Wood.

Karlene Kay Kluender, Mankato

B.A. with high honors '60, Wayne State College. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

William John Kopp, Minneapolis

B.S.B. '62, B.S.Ed. '65, University of Minnesota. Major: Curriculum and Instruction. Minor: Educational Psychology. Thesis: An Evaluation of High School Bookkeeping by the Business Community. Major Adviser: Prof. R. G. Price.

James Dennis Kottom, Richfield

B.A. '52, Augsburg College. Field of Concentration: Physical Education. Major Adviser: Prof. R. J. Donnelly.

Gerald Albert Kritzer, St. Paul

B.A. '60, St. Paul Seminary. Field of Concentration: Latin. Major Adviser: Prof. R. P. Sonkowsky.

James Gerald Krysiak, Two Harbors

B.S. '54, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. O. Sielaff.

William Vincent Kulawski, Winona

B.A. '58, St. Mary's College; B.S. '59, Winona State College. Field of Concentration: Education. Major Adviser: Prof. E. H. Birkmaier.

Harry Edward Lamppa, Virginia

B.S. '56, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. H. C. Johnson.

Carol Jean Landis, St. Paul

B.A. '57, College of St. Catherine. Major: History. Minors: English, Education. Thesis: Lebanese Immigration to the United States and the Twin Cities, 1890-1924. Major Adviser: Prof. R. C. Loehr.

Richard Earl Larson, Plummer

B.A. '60, North Central Bible College. Major: Speech, Communication and Theatre Arts. Minor: Philosophy. Thesis: The Billy Graham Upper Midwest Crusade: A Study of Mass Religious Persuasion. Major Adviser: Prof. E. C. Bormann.

Jimmy Dale Libby, St. Paul

B.S. with distinction '64, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. V. Goossen.

Ruth Whipple Libke, Side Lake

B.S. '55, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

David Allan Ling, Mt. Clemens, Mich.

B.A. '65, Wayne State University. Major: Speech, Communication and Theatre Arts. Minor: History. Thesis: Father Charles E. Coughlin: A Study of Political Positions and Rhetorical Strategies. Major Adviser: Prof. B. L. Brock.

Helen Cheng Liu, Taipei, Taiwan

B.A. '65, National Taiwan University. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Darlene Loding, Minneapolis

B.A. '63, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. T. B. Jones.

Lynne Leona Lokensgard,
Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Art. Major Adviser: Prof. Melvin Waldfoegel.

John Curtis Longman, Calgary,
Alberta, Canada

B.A. '65, University of Alberta. Field of Concentration: Psychology. Major Adviser: Prof. M. D. Dunnette.

Sister M. Lorraine, OSB, Duluth

B.S. '52, College of St. Scholastica. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Esther Linnea Loy, Chisholm

B.S. *summa cum laude* '61, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Stanley Glenn Lucas, Willmar

B.A. *cum laude* '65, Macalester College. Field of Concentration: Zoology. Major Adviser: Prof. C. W. Huver.

John Mathias Maas, Minneapolis

B.A. '58, St. Johns University. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Sara Lynn McMillan, Colorado
Springs, Colo.

B.A. '65, University of Denver. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. W. S. Howell.

Eugene Richard Mechelke, Morris

B.A. '56, Hamline University. Field of Concentration: History. Major Adviser: Prof. D. B. Rutman.

James Erwin Miles, Plymouth

B.A. '64, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: Attitudes of Acceptance of Alcoholics held by Physicians and Social Workers. Major Adviser: Prof. E. G. Jaco.

Adalaide Kirby Morris, Minneapolis

B.A. '64, Wells College. Field of Concentration: English. Major Adviser: Prof. J. C. Levensen.

David Brown Morris, Minneapolis

B.A. '64, Hamilton College. Field of Concentration: English. Major Adviser: Prof. J. C. Levensen.

Edwin James Mundstock, Barnesville

B.A. '65, University of Minnesota. Major: Mathematics. Minor: Economics. Thesis: A Compiler with an Improved Sort Algorithm for the Digital Simulation Language. Major Adviser: Prof. M. L. Stein.

Rosemary Musich, Ely

B.S. '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. M. Wells.

Frank Joseph Mustar, White Bear
Lake

B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tonnyson.

Richard Carroll Nelson, Beatrice,
Neb.

B.A. '64, University of Nebraska. Field of Concentration: History. Major Adviser: Prof. T. B. Jones.

Travis Nickolai Nelson, Winona

B.S. '59, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Patrick Bates Nolan, Minneapolis

B.A. '64, University of Minnesota. Major: History. Minor: Political Science. Thesis: Outlaws of the Fox River Country: A Study in the Validation of Source Materials. Major Adviser: Prof. P. D. Jordan.

Helen Margaret Nordvall,
Minneapolis

B.S. *magna cum laude* '60, Concordia College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. L. Jackson.

Mabel Dryden Nosek, Duluth

B.S. '59, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Donald Arthur Olson, Minneapolis

B.S. '59, University of Minnesota. Field of Concentration: Industrial Education. Major Adviser: Prof. H. F. Nelson.

Myosik Hong Park, Seoul, Korea

B.A. '60, Sung Kyun Kwan University. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

Hilda Ann Parks, Vernon Center

B.S. '65, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Steven Aaron Passon, Duluth

B.A. '65, University of Minnesota. Major: History. Minor: Economics. Thesis: TOW-PATH to the West (A Study of the Eric Canal). Major Adviser: Prof. M. L. Lindquist.

Carol Ann Elling Pearson, St. Paul

B.A. '64, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. R. C. Warnken.

Harlen Dean Peck, San Jose, Calif.

B.S. '59, Union College. Field of Concentration: Physical Education. Major Adviser: Prof. J. F. Alexander.

Helen Haines Pitts, Minneapolis

B.A. '61, Stanford University. Major: Child Psychology. Minor: Educational Psychology. Thesis: The Effects of Imitation of a Symbolic Model on Avoidance of Feminine Toys by Young Boys. Major Adviser: Prof. S. G. Moore.

Stephen Day Ponto, Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Economics. Major Adviser: Prof. J. M. Henderson.

Michael Paul Price, Chicago, Ill.

B.A. '60, Michigan State University. Major: Speech and Theatre Arts. Minor: English. Thesis: A Critical Survey of Lighting for the Outdoor Symphonic Drama. Major Adviser: Prof. W. J. Josal.

Gary Martin Rae, Albany, Calif.

B.A. '65, University of California (Berkeley). Field of Concentration: Psychology. Major Adviser: Prof. P. Campbell.

Donald Charles Rainbow, Anoka

B.A. '65, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. F. M. Chapman.

Harold Merle Rauvola, Babbitt

B.S. '50, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. F. Gum.

Lynn Louise Remly, Minneapolis

B.A. '63, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

M. Hachemi Saada, Minneapolis

B.A. '60, University of Texas. Major: Linguistics and Comparative Philology. Minor: Anthropology. Thesis: The Verb in Tunisian Arabic. Major Adviser: Prof. D. C. Swanson.

Ronald Herbert Sack, Minneapolis

B.A. *magna cum laude* '65, Wisconsin State University. Field of Concentration: History. Major Adviser: Prof. T. B. Jones.

**Sandra Murphy Schipper,
Minneapolis**

B.S. '64, University of Minnesota. Field of Concentration: Audiology. Major Adviser: Prof. F. M. Lassman.

**Sister Mary Loretto Schneider,
Little Falls**

B.S. '39, College of St. Scholastica. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. A. Parker.

Alton Oren Seiler, Minneapolis

B.S. '49, Moorhead State Teachers College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

A. Anthony Senarighi, Jr., St. Paul

B.A. '65, College of St. Thomas. Field of Concentration: Industrial Relations. Major Adviser: Prof. H. G. Heveman, Jr.

John Gage Shaver, Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Mass Communications. Major Adviser: Prof. D. M. Gillmor.

Eric Shukla, Delhi, India

B.A. '63, Delhi University. Field of Concentration: History. Major Adviser: Prof. J. L. Altholz.

**Leonard Joseph Simutis, Evergreen
Park, Ill.**

B.A. '65, University of Illinois. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Orlan Garfield Skare, Willmar

B.B.A. '50, B.S. '65, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

**Sister Mary Theresia Spellman,
St. Louis, Mo.**

B.A. '59, Loyola University. Field of Concentration: Educational Administration. Major Adviser: Prof. G. R. Firth.

Pasquale J. Spino, Union, N. J.

B.A. '64, Glassboro State College. Major: Music. Minor: Music Education. Thesis: Symphony #1 in Three Movements. Major Adviser: Prof. Paul Fetler.

Ruth Elizabeth Sponheim, Osage,
Iowa

B.A. '51, St. Olaf College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Donovan Clyde Strickland, St. Louis
Park

B.S. '58, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. O. E. Domian.

Harry Sheldon Swain, Vancouver,
British Columbia, Canada

B.A. '64, University of British Columbia. Field of Concentration: Geography. Major Adviser: Prof. J. W. Webb.

Robert Butler Swandby, Minneapolis

B.A. '65, University of Minnesota. Major: International Relations. Thesis: The United States and the Organization of International Refugee Relief Problems, 1945-1965. Major Adviser: Prof. R. E. Riggs.

George Stuart Thompson,
Minneapolis

B.A. '64, Bethel College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. R. L. Scott.

Leroy Merville Thompson, Inver
Grove Heights

B.A. '59, St. Olaf College. Field of Concentration: Educational Administration. Major Adviser: Prof. F. B. Wilderson.

Gordon Andrew Timpany,
Manitowoc, Wis.

B.Ed. '56, Wisconsin State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

Jeff Todd Titon, Minneapolis

B.A. *cum laude* '65, Amherst College. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Leigh Manns Tracy, Cedar Rapids,
Iowa

B.A. '62, Grinnell College. Field of Concentration: International Relations. Major Adviser: Prof. J. E. Turner.

James William Treece, Jr.,
Minneapolis

B.R.E. '62, St. Paul Bible College; B.A. '65, Bethel College. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

Bennett Lloyd Trochilil, Cloquet

B.S. '55, Bemidji State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. W. Wood.

Clement Okafor Udeze, Utuh,
Nigeria

B.A. '64, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. R. S. Hoyt.

Francoise Marguerite Vannoye,
Poitiers, France

Diploma '65, University of Paris. Field of Concentration: Statistics. Major Adviser: Prof. B. W. Lindgren.

Joan Ann Vorpahl, Morgan

B.S. '64, College of St. Catherine. Major: Physics. Minor: Mathematics. Thesis: The Frequency and Intensity of Lightning within 30° of the Equator. Major Adviser: Prof. E. P. Ney.

Rhoda Gay Walgren, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Marjorie Bernice Wannarka,
Mankato

B.S., '52, College of St. Catherine. Major: Library Science. Minor: Journalism. Thesis: Medical Collections in Public Libraries of the United States: A Historical Study. Major Adviser: Prof. W. C. Simonton.

Everett Donald Weinstein, St. Paul

B.A. '64, University of Minnesota. Field of Concentration: Industrial Relations. Major Adviser: Prof. R. V. Dawis.

Gene Paul Wicklund, Minneapolis

B.A. '53, B.S. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. V. Goossen.

Nancy Ann Clausen Wilkie, Edina

B.A. '64, Stanford University. Field of Concentration: Greek. Major Adviser: Prof. R. P. Sonkowsky.

Mary Wing Mitchell, S. D.

B.T.A. '57, Pasadena Playhouse College of Theatre Arts. Major: Theatre Arts. Minor: Scandinavian Studies. Thesis: Gilmor Brown. Major Adviser: Prof. F. M. Whiting.

David Elmer Wold, St. Paul

B.A. '60, Gustavus Adolphus College. Field of Concentration: Education. Major Adviser: Prof. W. E. Gardner.

Merle Gene Wovcha, Virginia

B.S. '62, B.A. '64, University of Minnesota. Field of Concentration: Zoology. Major Adviser: Prof. N. T. Spratt, Jr.

William Charles Yoels, Flushing,
N. Y.

B.A. '64, Queens College. Field of Concentration: Sociology. Major Adviser: Prof. G. P. Stone.

Danuta Barbara Zamojska, Warsaw,
Poland

Field of Concentration: Education. Major Adviser: Prof. E. M. Birkmaier.

Master of Arts in Public Administration

Eugene Joseph Connelly, St. Paul

B.A. *cum laude* '64, University of Minnesota.
Field of Concentration: Public Administration.
Major Adviser: Prof. G. A. Warp.

Master of Business Administration

Arthur Fredrick Carbert, Morris

B.M.E. '62, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Ward Stephens Crago, Minneapolis

B.M.E. '60, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Clifford Lee Eckman, Little Falls

B.S.B. '63, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. F. Wipern.

Kenneth Warren Hallberg, New Ulm

B.M.E. '60, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Thomas Ray Hofstedt, Minneapolis

B.S.B. '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. C. R. Purdy.

Richard Bryan Janisch, Minneapolis

B.B.A. '58, University of Miami. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Phillip Randolph Johnson,
Minneapolis

B.S.B. '64, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. John Neter.

Myron Edward Lee, St. Paul

B.A. '45, Macalester College. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

William Richard Manson,
Minneapolis

B.S. with distinction '64, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Walter Byron Melin, Jr.,
Minneapolis

B.B.A. '56, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Ronald Robert Reich, Minneapolis

B.S.E.E. '62, University of Illinois. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Theodore Lowell Willard,
Brooklyn Center

B.Chem.E. '51, University of Minnesota. Field
of Concentration: Business Administration.
Major Adviser: Prof. A. K. Wickesberg.

Master of Fine Arts

Margaret Ann Atwood, Deephaven

B.A. '65, Wells College. Field of Concentration: Theatre Arts. Major Adviser: Prof. M. M. Klein.

Paulette Marian James,
Shreveport, La.

B.A. '65, Centenary College. Field of Concentration: Theatre Arts. Major Adviser: Prof. M. M. Klein.

Ernest Allan Joselovitz, Danbury,
Conn.

B.A. '65, University of California. Field of Concentration: Theatre Arts. Major Adviser: Prof. A. H. Ballet.

K. Scott McCoy, Albuquerque, N. M.

B.F.A. '65, University of New Mexico. Field of Concentration: Theatre Arts. Major Adviser: Prof. K. L. Graham.

Claudia Jean Peacock, Great Bend,
Kan.

B.S. '64, Kansas State College. Field of Concentration: Fine Arts. Major Adviser: Prof. M. M. Myers.

Donald Kenneth Schule, Madison

B.A. '64, University of Minnesota. Field of Concentration: Fine Arts. Major Adviser: Prof. M. M. Myers.

Master of Forestry

John Thomas Kliejunas, Sheboygan,
Wis.

B.S. '65, Wisconsin State University. Field of Concentration: Forestry. Major Adviser: Prof. F. D. Irving.

Stephen Ford McCool, Santa Ana,
Calif.

B.S. '65, University of Idaho. Field of Concentration: Forestry. Major Adviser: Prof. E. D. Irving.

Rodney Wayne Sando, Ogilvie

B.S. '65, University of Minnesota. Field of Concentration: Forestry. Major Adviser: Prof. E. D. Irving.

Master of Science

Abdul-Aziz Hamed Abu-Zinada,
Jeddah, Saudi Arabia

B.S. '63, Riyadh University. Major: Plant Pathology. Minor: Microbiology. Thesis: Some Factors Affecting the Reaction of Soybean to *Pseudomonas Glycinea*. Major Adviser: Prof. B. W. Kennedy.

Thomas Foxen Anderson,
Philadelphia, Pa.

B.A. '64, Carleton College. Major: Mathematics. Minor: Statistics. Thesis: Analytic Continuation. Major Adviser: Prof. C. L. Miracle.

Sheldon Lee Anonsen, Minneapolis

B.Arch. '51, University of Minnesota. Field of Concentration: Physics. Major Adviser: Prof. J. H. Wertz.

Prem Lal Arya, Montgomery,
W. Pakistan

B.V.Sc. '48, Punjab Veterinary College. Major: Veterinary Pathology. Minor: Microbiology. Thesis: Pathogenesis and Histopathology of Air Sacculitis in Turkeys due to "N" Strain Mycoplasma Infection. Major Advisor: Prof. J. H. Sautter.

Gerald Eugene Baker, Minneapolis

B.A., B.S. '63, University of Minnesota. Major: Mathematics. Minor: Philosophy. Thesis: An Energy Inequality for a General Symmetric Hyperbolic System of Partial Differential Equations by Means of Analytic Extension. Major Adviser: Prof. W. W. Schmaedeke.

Lorraine Marie Bandas, Glencoe

B.S. '64, College of St. Teresa. Field of Concentration: Medical-Surgical Nursing. Major Adviser: Prof. G. M. Sarosi.

Harlan Edwin Bauermeister, New Ulm

B.S. '53, M.A. '59, University of Minnesota. Field of Concentration: Genetics. Major Adviser: Prof. W. E. Rempel.

Esther Marie Bigelow, Minneapolis

B.A. '64, Wartburg College. Field of Concentration: Psychiatric Nursing. Major Adviser: Prof. G. K. Lewis.

David Charles Black, Minneapolis

B.S. '65, University of Minnesota. Field of Concentration: Physics. Major Adviser: Prof. Stephen Gasiorowicz.

Robert Paul Bowles, Tulsa, Okla.

B.B.A. '60, University of Oklahoma. Field of Concentration: Business Administration. Major Adviser: Prof. R. S. Hancock.

William Woodrow Brooks, Jr., St. Paul

B.S. with distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. L. E. Goodman.

Louis Bernard Bushard, St. Paul

Bach. Math. with distinction '65, University of Minnesota. Major: Mathematics. Minor: Mechanical Engineering. Thesis: Canonical Forms for Second Order Linear Differential Operators. Major Adviser: Prof. W. S. Loud.

Patrick Joseph Cain, Alexandria

Bach. Aero. Eng. '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. C. N. DeSilva.

Nancy Arent Carlson, Duluth

B.S. in Nurs. '64, University of Minnesota. Field of Concentration: Psychiatric Nursing. Major Adviser: Prof. J. R. Hubbard.

Kathleen Helen Chafey, Superior, Ariz.

B.S. '62, Arizona State University. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Annabelle I-pin Chang, Taipei, Taiwan, Republic of China

B.S. '64, National Taiwan University. Major: Plant Pathology. Minor: Soil Science. Thesis: Biological Control of Seedling Blight Disease of Corn. Major Adviser: Prof. Thor Kommedahl.

John Bosco Cheung, Hong Kong

B.S. with distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Sedley Chester Davis, St. Louis Park

B.S. with high distinction '57, University of Minnesota. Field of Concentration: Physics. Major Adviser: Prof. J. M. Blain.

Peter Ochia Buto Egwim, Okigwi, Nigeria

B.S. with honors '65, University of Ibadan. Major: Biochemistry. Minor: Microbiology. Thesis: Characterization of the Lipids from the Leaf of the African Oil Palm (*Elaeis guineensis*) with Emphasis on the Hydrocarbons. Major Adviser: Prof. R. T. Holman.

Amin Fouad Eldirghami, Manchiyet Soltan, Menoufia, United Arab Republic

B.Com. with honors '63, University of Cairo. Field of Concentration: Business Administration. Major Adviser: Prof. C. W. Rudelius.

Wayne Ellsworth Ewy, St. Paul

B.A. *magna cum laude* '65, Hamline University. Field of Concentration: Biometry. Major Adviser: Prof. R. B. McHugh.

George Merrell Farrow, Rochester

M.D. '57, Louisiana State University. Major: Pathology. Minor: Hematology. Thesis: Sarcomas of Renal Parenchyma and Sarcoma-like Hypernephromas. Major Adviser: Dr. E. G. Harrison.

Ronald Bruce Hohn, Rochester

B.S. with distinction '49, D.V.M. '51, University of Minnesota. Major: Veterinary Medicine. Minor: Anatomy. Thesis: Reconstruction of the Anterior Cruciate Ligament in the Dog with Whole Thickness Skin. Major Adviser: Prof. J. P. Arnold.

Kathleen Merle Horswill, Black River Falls, Wis.

B.S. '61, Marquette University. Field of Concentration: Public Health. Major Adviser: Prof. M. L. Murphy.

Ruben Jacobsohn, Holon, Israel

B.S.Agr. '63, Hebrew University of Jerusalem. Major: Agronomy. Minor: Plant Physiology. Thesis: Differential Response of Wild Oat Lines to Diallate, Triallate and Barban. Major Adviser: Prof. R. N. Andersen.

Mary Elizabeth Jones, Wayzata

B.S.N.Ed. '48, Washington University. Field of Concentration: Psychiatric Nursing. Major Adviser: Prof. G. K. Lewis.

Shelley Louise Jones, Walnut Creek, Calif.

B.S. '62, University of California. Field of Concentration: Public Health. Major Adviser: Prof. M. I. Murphy.

Gene Warren Jorgensen, Dunnell

B.S. with distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. Robert Plunkett.

Charles Tsungnan Lee, Taipei, Taiwan, China

M.S.C.E. '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Janet Marie Lendle, Eau Claire, Wis.

B.S. '61, College of St. Scholastica. Field of Concentration: Public Health. Major Adviser: Prof. R. A. Kroska.

James Peter Licari, Biwabik

B.S. with distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Henry Soehlke Liers, Bellmore, N. Y.

B.S. '62, State University of New York. Major: Physics. Minor: Mathematics. Thesis: The Scattering of 40 Mev. Protons by ^{58}Ni and ^{60}Ni Nuclei. Major Adviser: Prof. C. H. Poppe.

Carol Anita Mahon, Hopkins

B.S. '64, University of California. Major: Inorganic Chemistry. Minor: Physical Chemistry. Thesis: The Preparation of Tris-(2,2'-Bipyridine) Ferrate (-I). Major Adviser: Prof. W. L. Reynolds.

Peter Mailandt, Hamburg, Germany

B.S. '63, Free University of Berlin. Major: Physics. Minor: Mathematics. Thesis: Neutron Dose Survey in the Tandem Van De Graaff Building of the J. H. Williams Laboratory of Nuclear Physics. Major Adviser: Prof. R. K. Hobbie.

Edwin Asher Miller, Macomb, Ill.

B.S. '64, Western Illinois University. Field of Concentration: Environmental Health. Major Adviser: Prof. D. E. Barber.

Conrad Edward Mueller, St. Paul

Bach. of Math. with distinction '66, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. Lawrence Markus.

Robert Ramon Nelson, Rake, Iowa

B.S. '66, Mankato State College. Field of Concentration: Environmental Health. Major Adviser: Prof. T. A. Olson.

James Harry Olsen, Winston-Salem, N.C.

B.S.E.E. '63, North Carolina State. Field of Concentration: Mathematics. Major Adviser: Prof. C. A. McCarthy.

James Nels Peterson, Little Falls

B.S. '64, University of Minnesota. Field of Concentration: Agricultural Economics. Major Adviser: Prof. S. A. Engene.

Roger Charles Peterson, Minneapolis

B.S. '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

John Corse Pollock III, St. Paul

B.A. '65, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. W. S. Loud.

Barat Someswara Rao, Digapahandi, Orissa, India

B.V.S. and A.H. '59, Behar University; M.V.S. '62, Agra University. Major: Poultry Science. Minor: Biochemistry. Thesis: A Chemically Deformed Liquid Diet for Chicks and Study of a Fatty Liver Condition. Major Adviser: Prof. P. E. Waibel.

Dallas Eugene Rasmussen, Lambertton

B.S. '64, University of Minnesota. Major: Entomology. Minor: Plant Pathology. Thesis: Effects of Some Agronomic Practices on Corn Rootworm Populations in Southwestern Minnesota. Major Adviser: Prof. H. C. Chiang.

Kenneth Hal Rourke, St. Paul

B.A. '66, University of Kansas. Field of Concentration: Mathematics. Major Adviser: Prof. H. F. Weinberger.

Abdalrauf Hammuda Siala, Tripoli, Libya

B.S. '62, University of Libya. Major: Microbiology. Minor: Plant Pathology. Thesis: Immunofluorescent Staining for the Study of *Aspergillus Restrictus*. Major Adviser: Prof. E. S. Schmidt.

David Lester Sippel, Windom

B.S. '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Duane Lud Solem, Duluth

B.E.E. '63, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. R. G. Bond.

Gary John Stroebel, Mapleton

B.S. with high distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Maria Thiele-Wittig, Brokeloh, Germany

DiplomLandWirt '63, University of Göttingen. Major: Agricultural Economics. Minor: Sociology. Thesis: Economic and Social Factors Related to Food Buying Practices of Upper Income Families. Major Adviser: Prof. M. C. Burk.

Donald Angus Vivian, Roseville

B.A. *cum laude* '51, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Solutions of Linear Integral Equations. Major Adviser: Prof. G. R. Sell.

Gloria Mac Warner, Minneapolis

B.A. '49, St. Olaf College. Major: Plant Pathology. Minor: Zoology. Thesis: The Role of Birds in the Dissemination of Fungi. Major Adviser: Prof. D. W. French.

Philip Craig Weiser, Mercer Island, Wash.

B.S. '63, University of Washington. Major: Physiology. Minor: Physical Chemistry. Thesis: A Comparison of Two Forms of Pulmonary Edema. Major Adviser: Prof. Francisco Grande.

Master of Science in Aeronautical Engineering

Charles Etheridge Blum, Austin, Tex.

B.S.A.S.E. '64, University of Texas. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. S. Lundgren.

Richard Charles Greig, Wayzata

B.S. '65, University of Minnesota. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. S. Lundgren.

Rayford Peter Hosker, Jr., Lynn, Mass.

B.S. in Physics *cum laude* '65, Boston College. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. W. C. Meecham.

Kenneth Ceabern Squires, Minneapolis

B.S. with distinction '65, University of Minnesota. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. S. Lundgren.

Francis Cheng-Ping Wang, Taipei, Taiwan, Republic of China

B.S. '64, National Taiwan University. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. S. Lundgren.

Master of Science in Agricultural Engineering

Jerome John Schuelke, Dawson

B.S.A.E. '65, North Dakota State University. Major: Agricultural Engineering. Minor: Mathematics. Thesis: A Study of Selected Operating Characteristics of Freely Rotating and Power-Driven Disks. Major Adviser: Prof. John Strait.

Master of Science in Biophysics

John Alwyn Harris, Cardiff, Wales
M.B.B.Ch. '65, Welsh National School of
Medicine. Major: Biophysics. Minor: Support-
ing Program. Thesis: Contour Plotting of the
E.E.G. Major Adviser: Dr. Eugene Ackerman.

Master of Science in Chemical Engineering

Ira Steven Bernstein, Vineland, N.J.

B.Ch.E. with distinction '65, University of
Delaware. Major: Chemical Engineering. Minor:
Mechanical Engineering. Thesis: The
Consideration of Electrohydrodynamical Ef-
fects in Ionic Mobility Measurements in
Fluids. Major Adviser: Prof. L. D. Schmidt.

William Edward Koca, Grayslake,
Ill.

B.S.Ch.E. '65, University of Illinois. Major:
Chemical Engineering. Minor: Mathematics.
Thesis: Mass Transfer in Agitated Liquid-
Solid Systems. Major Adviser: Prof. A. J. Mad-
den.

Gholam-Ali Mansoori, Naragh, Iran

B.S. '63, University of Tehran. Major: Chemi-
cal Engineering. Minor: Mathematics. Thesis:
Studies on Electron Exchange Reaction in
Stirred System of Immiscible Liquids. Major
Adviser: Prof. A. J. Madden.

John Patrick Pilney, St. Paul

B.Ch.E. '60, University of Minnesota. Major:
Chemical Engineering. Minor: Mathematics.
Thesis: Coalescence of Organic Drops in Li-
quid-Liquid Systems. Major Adviser: Prof. A.
J. Madden.

Russell Allen Stenzel, Plainfield,
Ill.

B.S.Ch.E. '65, University of Illinois. Major:
Chemical Engineering. Minor: Mathematics.
Thesis: Kinetic Theory of A Dense Gas Mix-
ture Composed of Perfectly Rough Spheres.
Major Adviser: Prof. H. T. Davis.

Master of Science in Civil Engineering

Lee Michael Bakken, Walnut Grove

B.C.E. '65, University of Minnesota. Major:
Civil Engineering. Minor: Geophysics. Thesis:
Spring Loss and Recovery of Flexible Pavement
Strengths. Major Adviser: Prof. M. S.
Kersten.

Chih-ho Chang, Nanking, China

B.E. '48, Tung Chi University. Field of Con-
centration: Civil Engineering. Major Adviser:
Prof. M. S. Kersten.

Kenneth Keh-Ya Chen, Taipei,
Taiwan, China

B.S. '64, Chung-Yuan Christian College of
Science and Engineering. Major: Civil Engi-
neering. Minor: Mathematics. Thesis: Experi-
mental Study of Taylor Instability Using New-
tonian and Non-Newtonian Fluids. Major Ad-
viser: Prof. C. S. Song.

Leon Flemembaum, Cali, Colombia

Civil Eng. '63, National University of Colom-
bia. Field of Concentration: Civil Engineering.
Major Adviser: Prof. G. J. Schroefer.

Wazir Ali Ismaily, Karachi, W.
Pakistan

B.E. '60, N.E.D. Government College of En-
gineering; B.S. '63, D.J. Science Government
College. Field of Concentration: Civil Engi-
neering. Major Adviser: Prof. W. T. Graves.

Harbir Singh Jawanda, Talwara,
India

B.A. '61, B.E. '65, Punjab University. Field
of Concentration: Civil Engineering. Major
Adviser: Prof. A. K. Chopra.

Bruce Lee Runberg, Annandale

B.S. '64, U.S. Naval Academy. Field of Con-
centration: Civil Engineering. Major Adviser:
Prof. J. T. Hanley.

Kenneth Roman Saffert, New Ulm
B.C.E. '65, University of Minnesota. Field of Concentration: Civil Engineering. Major Adviser: Prof. M. S. Kersten.

Fabian Yanez, Quito, Ecuador
Civil Eng. '61, University Central Del Ecuador. Field of Concentration: Civil Engineering. Major Adviser: Prof. G. J. Schroepfer.

Wayne Arden Taylor, Salem, Ore.
B.S. '58, Montana State College. Field of Concentration: Civil Engineering. Major Adviser: Prof. G. J. Schroepfer.

Master of Science in Dentistry

Kent Christopher Gulden, St. Paul
B.S. '63, D.D.S. '65, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: A Study of the Dental and Facial Skeletal Changes Occurring during Treatment with the Milwaukee Brace. Major Adviser: Dr. R. J. Isaacson.

Patrick John Murphy, Superior, Wis.
B.S. '61, Wisconsin State University; D.D.S. '65, Marquette University. Major: Dentistry. Minor: Anatomy. Thesis: The Effect of Hyaluronidase on the Gingiva. Major Adviser: Dr. R. E. Stallard.

Ezra Kleinman, Montreal, Quebec, Canada
B.A. '63, D.D.S. '65, McGill University. Major: Dentistry. Minor: Anatomy. Thesis: A Study of the Effects of Supra-Alveolar Fibers on the Relapse of Orthodontically Rotated Teeth. Major Adviser: Dr. R. J. Isaacson.

Wayne Orville Sletten, Madison
B.S. '63, D.D.S. '65, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: Some Effects on Condylar Growth Following Surgical Separation of the Mandible and Condyle. Major Adviser: Dr. R. J. Isaacson.

Robert Douglas Lawton, Wayzata
B.S. '61, D.D.S. '63, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: A Study of the Vertical Problem in the Treatment of Mandibular Prognathism. Major Adviser: Dr. R. J. Isaacson.

Master of Science in Dermatology

Jack Brown, Edmonton, Alberta, Canada
M.D. '60, University of Canada, Alberta. Major: Dermatology. Minor: Basic Dermatologic Science. Thesis: Acanthosis Nigrans: A Clinical, Histopathologic and Experimental Study of 89 Cases. Major Adviser: Dr. R. R. Kierland.

Master of Science in Electrical Engineering

Michael Joseph Burke, St. Cloud
B.S. with high distinction '65; University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Microwave Investigation of Impact Ionization in Germanium. Major Adviser: Prof. K. S. Champlin.

Ronald Leonard Carlson, Minneapolis
B.E.E. '65, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. L. T. Anderson.

Kwang Ping Chao, Szechuan, China

B.S. with distinction '62, National Taiwan University. Field of Concentration: Electrical Engineering. Major Adviser: Prof. W. T. Peria.

Dale Lee Christenson, New Brighton

B.E.E. '62, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: Spectrometer Magnetic Field Regulated by a Hall Effect Generator. Major Adviser: Prof. F. N. Bailey.

George Leonard Hedin, Two Harbors

B.S. with high distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Response Peak Statistics for a Class of Linear Systems Excited by Impulsive Noise. Major Adviser: Prof. R. F. Lambert.

Raymond Harold James, Bloomington

B.A. '59, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. R. P. Halverson.

James Lee Johnson, Louisville, Ky.

B.E.E. '65, University of Louisville. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Computer Method of Synthesis of Passive Circuits. Major Adviser: Prof. K. S. P. Kumar.

Gerald Wayne Kattke, St. Paul

B.S. '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Feasibility of the Measurement of Noise Suppression in Field Emission Devices. Major Adviser: Prof. Aldert van der Ziel.

Robert L. Mortenson, Minneapolis

B.S. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in CaAs Lasers. Major Adviser: Prof. Aldert van der Ziel.

Michio Okamoto, Veno-Shi, Mie-Ken, Japan

B.E. '60, Nagoya Institute of Technology. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise Figure Reduction in Fet Mixers. Major Adviser: Prof. Aldert van der Ziel.

Mylan Radulovich, Duluth

B.A. '60, University of Minnesota. Major: Electrical Engineering. Minor: Physics. Thesis: Active Distortion During Ruby Laser Action. Major Adviser: Prof. R. C. Collins.

Michel Andre Vannoye, Beauvais, France

Math.Generales '62, Lyces Janson De Saily; Diploma Engineer with honors '65, Institut Supérieur D'Electronique. Major: Electrical Engineering. Minor: Statistics. Thesis: Parallel Simulation for Hybrid Computing Systems. Major Adviser: Prof. F. N. Bailey.

Ching-Li Yi, Amoy, China

B.S. '64, Cheng Kung University. Field of Concentration: Electrical Engineering. Major Adviser: Prof. E. B. Lee.

Master of Science in Industrial Engineering

R. Ananthakrishnan, Papireddipatti, India

B.E. '61, University of Madras. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Anand Pal Gupta, New Delhi, India

B.E. '59, Banaras Hindu University. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Amarlal Kalro, Coimbatore, India

B.Tech. with honors '63, Indian Institute of Technology. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Master of Science in Mechanical Engineering

Kenneth Morris Anderson,
Minneapolis

B.Phys. with distinction '65, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: An Experimental Determination of the Prandtl Number of Hydrocarbon Combustion Products at High Temperatures. Major Adviser: Prof. W. E. Ibele.

Primrose Scott Eastburn, Montvale,
N. J.

B.M.E. '60, University of Delaware. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Freezing of Supercooled Acetic Acid in Long Cylindrical Tubes. Major Adviser: Prof. E. A. Fletcher.

Alberto Eduardo Filomeno Edwards,
Lima, Peru

B.S. with distinction '65, National University of Engineering. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. Katsuhiko Ogata.

Robert Clyde Erickson, Minneapolis

B.S.M.E. '65, Southern Methodist University. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Anode Heat Transfer Studies of an Arc Plasma Thruster. Major Adviser: Prof. Emil Pfender.

LeRoy Eugene Gerlach, Richfield

B.S.M.E. '59, University of Nebraska. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. D. A. Frohrib.

Timothy Akingbola Ilori, Oyo,
Nigeria

B.S. '65, University of California. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. J. L. Threlkeld.

Mario Enrique Rodriguez,
Concepcion, Chile

Mech.Eng. '64, University of Concepcion. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. R. C. Jordan.

Gilmore Jonathan Sem, Underwood

B.M.E. '64, University of Minnesota. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. K. T. Whitby.

Master of Science in Metallurgical Engineering

Chiou-tse Chen, Taiwan, China

B.S. '63, Cheng Kung University. Field of Concentration: Metallurgical Engineering. Major Adviser: Prof. M. E. Nicholson.

Master of Science in Mineral Engineering

Francois Joseph Bonnechere,
Ombret-Rausa, Belgium

Civ.Eng. '60, University of Liege (Belgium). Major: Mineral Engineering. Minor: Mathematics. Thesis: A Comparative Study of In-situ Rock Stress Measurement Techniques. Major Adviser: Prof. Charles Fairhurst.

Landy Austin Stinnett, Leadville,
Colo.

B.S. '59, M.S. '63, South Dakota School of Mines and Technology. Field of Concentration: Mineral Engineering. Major Adviser: Prof. E. P. Pfeider.

Jan Richard Wolf, Paramaribo,
Suriname

Doctoral degree '59, University of Leiden. Major: Mineral Engineering. Minor: Related Fields. Thesis: Economic Feasibility and Design of an Alumina Plant in Suriname. Major Adviser: Prof. A. C. Dorenfeld.

Master of Science in Neurology

Arthur Charles Klassen,
Minneapolis

M.D. '57, University of Manitoba. Major: Neurology. Minor: Neuropathology. Thesis: Histology of Cerebral Arteries: Changes Associated with Increasing Age. Major Adviser: Dr. A. B. Baker.

Master of Science in Obstetrics and Gynecology

Hugh Woodworth, Penfield, N.Y.

M.D. '62, State University of New York. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: Hidradenoma of the Vulva. Major Adviser: Dr. J. H. Pratt.

Master of Science in Orthopedic Surgery

Malvin Barer, New York, N.Y.

M.D. '61, University of Amsterdam. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Age Changes in Normal Rib Bone from Individuals of 11 to 88 years of Age. Major Adviser: Dr. P. J. Kelly.

Henry Clifford Jackson II, Rochester

M.D. '56, University of Louisville. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Nerve Endings in the Spine: The Pattern of Sensory Nerve Supply to the Human Lumbar Spine. Major Adviser: Dr. W. H. Bickel.

Master of Science in Urology

Richard James Long, Chicoutmi,
Quebec, Canada

M.D. '60, Laval University. Major: Urology. Minor: Pathology. Thesis: Phenacetin Nephropathy in Dogs. Major Adviser: Dr. D. C. Utz.

Master of Social Work

James Victor Anderson, Bloomington

B.A. *cum laude* '51, St. Olaf College. Field of Concentration: Social Work. Major Adviser: Prof. C. L. Bower.

Kathleen Bigalke, Little Falls

B.A. *cum laude* '64, Gustavus Adolphus College. Field of Concentration: Social Work. Major Adviser: Prof. D. A. Whitmore.

Dorothy Tack Bartlette, Grand Forks,
N.D.

B.A. '61, University of North Dakota. Field of Concentration: Social Work. Major Adviser: Prof. H. E. Saloshin.

Raymond Edward Bollerud,
Hollandale, Wis.

B.A. *cum laude* '65, Concordia College. Field of Concentration: Social Work. Major Adviser: Prof. M. K. Newhouse.

Lynne Marie Benz, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

Gary Carleton Bounous,
Worland, Wyo.

B.A. '64, University of Montana. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

Jane Ann Braaten, New Brighton

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. M. R. Cohn.

Dianne Marie Campbell, St. Cloud

B.A. '64, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Elaine Joan Carlson, St. Paul

B.S. '60, Macalester College. Field of Concentration: Social Work. Major Adviser: Prof. C. L. Bower.

Noel Larson Carlson, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Susan Goldman.

John William Collins, Marshall, Mo.

B.A. '62, Tarkio College. Field of Concentration: Social Work. Major Adviser: Prof. M. K. Newhouse.

Harriet Darling Collopy, St. Paul

B.A. '61, St. Catherines College. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

Eugene Joseph Connelly, St. Paul

B.A. *summa cum laude* '64, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. J. C. Kidneigh.

Martha Doty Cushing, Hinsdale, Ill.

B.A. '65, Ohio Wesleyan University. Field of Concentration: Social Work. Major Adviser: Prof. Annalee Stewart.

Joan Calof Fishman, St. Paul

B.A. '48, University of Manitoba; M.A. '51, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

Rosalie Lindberg Freij, Minneapolis

B.A. '35, State University of Iowa. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Hildur Marie Gleason, Minneapolis

B.A. *cum laude* '65, Augsburg College. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

John Henry Graf, Bloomington

B.A. '50, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Margaret Catherine Gully, Dixon, Ill.

B.A. '64, Carroll College. Field of Concentration: Social Work. Major Adviser: Prof. B. E. Compton.

Mary Hafnor Hanson, Aberdeen,
S. D.

B.A. *magna cum laude* '65, Augustana College. Field of Concentration: Social Work. Major Adviser: Prof. B. E. Compton.

Donald William Michael Hrdina,
Cresco, Iowa

B.A. *magna cum laude* '64, Upper Iowa University. Field of Concentration: Social Work. Major Adviser: Prof. M. K. Newhouse.

Clyde Hamilton Hudson, New
Westminster, British Columbia,
Canada

B.A. '64, University of British Columbia. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Ruth Vernita Jackson, Alton, Ill.

B.A. '65, Southern Illinois University. Field of Concentration: Social Work. Major Adviser: Prof. J. G. Gannon.

Charles Frederick Johnson,
Minneapolis

B.S. '55, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Mary Frances Keefe, Boston, Mass.

B.A. *cum laude* '64, Radcliffe College. Field of Concentration: Social Work. Major Adviser: Prof. B. E. Compton.

Loleta-Merril Dewar Kersey, St. Paul

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. J. G. Gannon.

Jeannette Claire Kidneigh,
Minneapolis

B.A. '56, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Toshiko Koizumi, Tokyo, Japan

B.A. '58, Meiji Gakuin University. Field of Concentration: Social Work. Major Adviser: Prof. B. E. Compton.

Nancy Jane Levernier, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

**Jay Gordon Lindgren, Jr.,
Minneapolis**

B.A. cum laude '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

David Leander Lucking, Minneapolis

B.A. '64, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Joanne Sandra Matson, St. Paul

B.A. cum laude '62, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Dagny Johnson.

**Gwen Lloyd Mehlhouse,
Minneapolis**

B.A. '64, Macalester College. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Judith Ann Miller, St. Paul

B.A. '65, College of St. Catherine. Field of Concentration: Social Work. Major Adviser: Prof. J. E. Peltzer.

Margaret Costin Millet, Macomb, Ill.

B.A. '62, Drake University. Field of Concentration: Social Work. Major Adviser: Prof. I. G. Rapoport.

Sally Ann Moran, St. Paul

B.A. '63, College of St. Catherine. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

**Constance Rose Nabwire, Soroti,
Uganda**

B.A. '65, Spelman College. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Curtis Bruce Peterson, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Sheryl Lynn Ramstad, Minneapolis

B.A. '65, Bethel College. Field of Concentration: Social Work. Major Adviser: Prof. J. G. Gannon.

Lilah Ann Rasmussen, Minneapolis

B.A. '65, Augsburg College. Field of Concentration: Social Work. Major Adviser: Prof. I. G. Rapoport.

**Daniel Selvarajah Sanders,
Colombo, Ceylon**

B.A. '53, University of Ceylon. Field of Concentration: Social Work. Major Adviser: Prof. C. L. Bower.

Sue Ann Schmidt, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

Carol Ann Schreier, Marshall

B.A. '62, Creighton University. Field of Concentration: Social Work. Major Adviser: Prof. H. E. Saloshin.

Janet Ann Schultz, Rochester

B.A. cum laude '64, St. Olaf College. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Mary Martha Shafand, Danville, Ill.

B.A. cum laude '65, Luther College. Field of Concentration: Social Work. Major Adviser: Prof. I. G. Rapoport.

Neal Gilbert Simon, New York, N. Y.

B.A. '60, Yeshiva University. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

David William Southward, Osseo

B.A. '65, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Beverly Jean Stewart, Minneapolis

B.A. magna cum laude '60, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

**Mary McVay Thompson,
Brookfield, Ill.**

B.A. '44, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. F. X. Kamps.

Charlene Torrest, Bronx, N. Y.

B.A. '64, Hunter College. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

Penelope Rose Tracy, Erie, Pa.

B.A. '63, Allegheny College. Field of Concentration: Social Work. Major Adviser: Prof. L. F. Merl.

Jeanne Gladys Trumble, Minneapolis

B.A. '62, Hamline University. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

Eugene Miles Waldman,
Minneapolis

B.A. '65, St. Cloud State College. Field of Concentration: Social Work. Major Adviser: Prof. Gisela Konopka.

Nancy Batya Waldman, St. Paul

Ph.B. '64, Wayne State University. Field of Concentration: Social Work. Major Adviser: Prof. L. N. Scott.

Lorraine Maxine Wolfe,
Minneapolis

B.S. '62, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. D. A. Whitmore.

Paul D. Wulkan, Minneapolis

B.A. '65, Augsburg College. Field of Concentration: Social Work. Major Adviser: Prof. H. E. Saloshin.

Shirley Zimmerman, Minneapolis

B.A. '47, University of Minnesota. Field of Concentration: Social Work. Major Adviser: Prof. Dolph Hess.

Specialist in Education

Arland N. Benson, St. Paul

B.S. '60, M.A. '61, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. A. Blocher.

Albert Flemmer, Wayzata

B.S. '54, M.S. '56, Mankato State College. Field of Concentration: Elementary Administration. Major Adviser: Prof. James Curtin.

Doctor of Philosophy

Dean Edwin Abrahamson,
Monticello

B.S. *cum laude* '55, Gustavus Adolphus College; M. A. '58, University of Nebraska. Major: Anatomy. Minor: Physics. Thesis: Applications of Scanning Microspectrophotometry to Quantitative Histochemistry. Major Adviser: Prof. Arnold Lazarow.

Wassilij Alexeev, Minneapolis

Cert. '30, Moscow University. Major: History. Minor: Supporting Program. Thesis: The Russian Orthodox Church Under German Occupation, 1941-1945. Major Adviser: Prof. T. G. Stavrou.

Joyce Cathryn Aschenbrenner, St.
Paul

B.A. '54, M.A. '56, Tulane University. Major: Anthropology. Minor: Philosophy. Thesis: Endogamy and Social Status in a West Punjabi Village. Major Adviser: Prof. A. Hoebel.

James Edward Bell, Chicago, Ill.

B.A. *summa cum laude* '63, University of Minnesota. Major: Psychology. Minor: Supporting Program. Thesis: Cognitive Dissonance and Debit Help. Major Adviser: Prof. K. E. Weick, Jr.

Thomas David Bouman, Clayton,
Mo.

B.A. '62, Washington University. Major: Physical Chemistry. Minor: Physics. Thesis: Studies in Molecular Electronic Structures. Major Adviser: Prof. A. J. Moscovitz.

Carl Braun, Winnipeg, Manitoba,
Canada

B.A., B.E.D. '59, M.E.D. '61, University of Manitoba; A.R.C.T. '61, University of Toronto. Major: Educational Psychology. Minor: Curriculum and Instruction. Thesis: The Efficacy of Selected Stimulus Modalities in Learning and Retention of Sex-Typed Textual Responses of Kindergarten Children. Major Adviser: Prof. C. J. Hoyt.

Frank Louis Brendemuehl, Hopkins

B.S. '55, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: The Influence of Reading Ability on the Validity of Group Non-Verbal Intelligence Tests. Major Adviser: Prof. T. W. Clymer.

**Michael John Brodhead, Marion,
Kan.**

B.A. '59, M.A. '62, University of Kansas. Major: History. Minor: Political Science. Thesis: Judge Frank Doster: Kansas Populist and Reform Ideologue. Major Adviser: Prof. C. A. Chambers.

Boyd Marlin Buxton, Moore, Idaho

B.S. '60, Brigham Young University; M.A. '63, Washington State University. Major: Agricultural Economics. Minor: Economics. Thesis: Economics of Size in Minnesota Dairy Farming. Major Adviser: Prof. H. R. Jensen.

**William Parker Cane,
Coudersport, Pa.**

B.S. '62, University of Pennsylvania. Major: Biochemistry. Minor: Physical and Organic Chemistry. Thesis: Studies on Homologous Acyl-Chymotrypsins. Major Adviser: Prof. D. B. Wetlaufer.

Lyle Eugene Craker, Wonewoc, Wis.

B.S. '63, University of Wisconsin. Major: Agronomy. Minor: Biochemistry. Thesis: The Accumulation and Distribution of Strontium within Tissues of a Wheat Spike. Major Adviser: Prof. L. H. Smith.

Nancy M. Crewe, Minneapolis

B.A. *magna cum laude* '61, M.A. '64, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: A Comparison of Factory Analytic and Empirically Derived Scales of the Minnesota Counseling Inventory. Major Adviser: Prof. R. F. Berdie.

Francis Garvin Davenport, Jr., Minneapolis

B.A. '61, Grinnell College. Major: American Studies. Thesis: The Myth of Southern History—20th Century Variations. Major Adviser: Prof. B. R. Bowron, Jr.

Larry Erwin Davis, Nevada, Iowa

B.S. '58, M.S. '63, Iowa State University. Major: Animal Husbandry. Minor: Supporting Program. Thesis: Chromogen and Nitrogen as Fecal-Index Indicators of Forage Digestibility Under Grazing and Stall Feeding. Major Adviser: Prof. R. M. Jordan.

Margery Ann Duffey, Fairmont

B.S. '49, College of St. Teresa. Major: Education. Minor: Educational Psychology. Thesis: Personal and Situational Factors Relating to the Career Development of Persons Completing Masters Programs in Nursing. Major Adviser: Prof. Ruth Eckert.

John Walter Fermen, Minneapolis

B.Met.E. '51, M.S. '58, University of Minnesota. Major: Metallurgical Engineering. Minor: Physical Chemistry. Thesis: The Nucleation and Precipitation of Lithium in Silicon. Major Adviser: Prof. R. A. Swalin.

Donald Emil Fouts, Ashland, Wis.

B.A. '60, University of Chicago; M.A. '62, University of Minnesota. Major: Political Science. Minor: History. Thesis: The Canadian Supreme Court, 1950-60: A Study of Judicial Policy-Making. Major Adviser: Prof. H. W. Chase.

**Frank Burton Freedman,
Philadelphia, Pa.**

B.S.E.E. '62, Drexel Institute of Technology. Major: Physiology. Minor: Biochemistry. Thesis: The Equilibrium and Kinetic Analysis of the Evans Blue-Albumin System. Major Adviser: Prof. J. A. Johnson.

Martin Paul Fricke, Ann Arbor, Mich.

B.S. '61, Drexel Institute of Technology. Major: Physics. Minor: Mathematics. Thesis: Inelastic Scattering of 40-MeV Polarized Protons. Major Adviser: Prof. N. M. Hintz.

Elizabeth Ransom Gallistel, Wayzata

B.A. '37, University of Wisconsin. Major: Educational Psychology. Minor: Psychology. Thesis: The Effect of Differing Capacities for Extinction on Cognitive Processes: Their Relation to Motor Inhibition and to Reading Disability. Major Adviser: Prof. Bruce Barlow.

Frederick Galvin, St. Paul

B.A. '58, M.A. '61, University of Minnesota. Major: Mathematics. Minor: Philosophy. Thesis: Horn Sentences. Major Adviser: Prof. Bjarni Jonsson.

**Rajnikant Suresh Gandhi,
Baroda, India**

B.A. '58, M.A. '60, University of Baroda. Major: Sociology. Minor: Anthropology. Thesis: Little India: Localism and Cosmopolitanism in an Indian Student Colony. Major Adviser: Prof. D. A. Martindale.

**Paul Herbert Barlow Godwin,
Minneapolis**

B.A. '60, Dartmouth College; M.A. '63, University of Minnesota. Major: Political Science. Minor: Area Studies. Thesis: Manchu-Mongol Relations: A Study of Political Integration. Major Adviser: Prof. J. E. Turner.

Herman Ernest Gollwitzer, Truman

B.Math. '62, M.S. '65, University of Minnesota. Major: Mathematics. Minor: Electrical Engineering. Thesis: Stokes Multipliers for Subdominant Solutions of Second Order Differential Equations with Polynomial Coefficients. Major Adviser: Prof. Yasutaka Sibuya.

Rodney Glenn Grubb, Moorhead

B.A. '53, Concordia College. Major: Political Science. Minor: Philosophy. Thesis: The Doctrine of Political Obligation in the New Testament and Some Modern Protestant Interpretations. Major Adviser: Prof. M. Q. Sibley.

Ram Krishna Gupta, Ujjain, India

M.Ed. '52, Allahabad University; M.A. '56, London University. Major: Educational Psychology. Minor: Education. Thesis: Interactions of Achievement Test Items in the Context of Repeated Measurements of Groups Using Different Mathematic Texts. Major Adviser: Prof. C. J. Hoyt.

**Philip Dietrich Hammen,
Missoula, Mont.**

B.A. '63, St. Olaf College. Major: Organic Chemistry. Minor: Physical and Inorganic Chemistry. Thesis: Some Reactions of 2,4-Diphenylthietane 1-Oxide and Dioxide. Major Adviser: Prof. R. M. Dodson.

**Edgar Ethelbert Hanna, Jr.
Anniston, Ala.**

B.S. '59, Tuskegee Institute; M.S. '63, University of Minnesota. Major: Microbiology. Minor: Genetics. Thesis: The Effect of Streptococcal Pyrogenic Exotoxins on the Immune Response. Major Adviser: Prof. D. W. Watson.

Ethel D. Hansen, Whitewater, Wis.

B.S. '48, M.S. '49, Kansas State Teachers College. Major: Education. Minor: Educational Psychology. Thesis: A Comparison of the Teaching Behaviors of Highly Creative and Less Creative Basic Business Teachers. Major Adviser: Prof. R. G. Price.

John Krogness Hansen, Fridley

B.S. '46, B.S. '48, M.A. '53, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Comparison of Three Sixth Grade Programs of Mathematics Instruction. Major Adviser: Prof. O. E. Do-
mian.

Robert Frank Hartley, Crofton, Md.

B.B.A. '49, Drake University; M.B.A. '62, University of Minnesota. Major: Business Administration. Minor: Psychology. Thesis: Contributions of Marketing Research to Retail Decision-Making. Major Adviser: Prof. E. H. Lewis.

Gerhard Karroll Haukebo, Moorhead

B.S. '52, M.A. '54, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: An Investigation of the Effect of the Study of Numeration Systems in the Mathematics Preparation of Future Elementary Teachers. Major Adviser: Prof. J. E. Stochl.

**Peter Robert Herczfeld, Budapest,
Hungary**

B.S. '61, Colorado State University. Major: Electrical Engineering. Minor: Mathematics. Thesis: Study of Electronic Processes and Fluctuation Phenomena in Optically Quenched CdS and CdSe Crystals. Major Adviser: Prof. K. M. VanVliet.

Paul Gordon Hiebert, Minneapolis

B.A. '54, Tabor College; M.A. '57, Mennonite Brethren Biblical Seminary. Major: Anthropology. Minor: Public Health. Thesis: Structure and Integration in a Central Indian Village. Major Adviser: Prof. E. A. Hoebel.

Richard Arlen Jackson, Brainerd

B.A. '59, University of Minnesota. Major: History. Minor: German. Thesis: The Royal Coronation Ceremony in France from Charles VIII to Charles X. Major Adviser: Prof. R. E. Giesey.

**Joseph Robert Jenkins, Yakima,
Wash.**

B.A. '64, Gonzaga University. Major: Educational Psychology. Minor: Psychology. Thesis: Effects of Incidental Cues and Encoding Strategies on Paired-Associate Learning. Major Adviser: Prof. D. C. Neale.

Jennings Oliver Johnson, Rochester

B.S. '49, M.A. '54, University of Minnesota. Major: Education. Minor: Supporting Field. Thesis: The Relationship Between Science Achievement and Selected Student Characteristics. Major Adviser: Prof. D. E. Davis.

Allan Marshall Kirch, Minneapolis

B.A. '58, M.A. '60, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Functional Equations of Local and Global Zeta-Functions. Major Adviser: Prof. S. A. Gaal.

Philip Alan Korth, St. Paul

B.A. '61, University of Minnesota. Major: American Studies. Thesis: The Yeoman and a Market Economy. Major Adviser: Prof. B. R. Bowron, Jr.

Lawrence Louis Landucci, St. Paul

B.Chem. '62, University of Minnesota. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: Structure and Reactions of Diels-Alder Adducts of Indene-3-carboxylic Acid and Dienophiles. Major Adviser: Prof. W. E. Noland.

Robert Charles Lanman, Grand Rapids

B.S. '56, University of Minnesota. Major: Pharmacology. Minor: Physiological Chemistry. Thesis: Passage of Organic Cations and Neutral Molecules from Cerebrospinal Fluid into Plasma and Brain. Major Adviser: Prof. J. W. Miller.

Claus Leitzmann, Minneapolis

B.S. '62, Capital University; M.S. '64, University of Minnesota. Major: Biochemistry. Minor: Microbiology. Thesis: Studies on Threonine Dehydratase from *Bacillus licheniformis*. Major Adviser: Prof. R. W. Bernlohr.

Michael Leonard Levitan, Brooklyn, N. Y.

B.S. '62, Rensselaer Polytechnic Institute; M.S. '66, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Some Ratio Limit Theorems for a General State Space Markov Process. Major Adviser: Prof. Steven Orey.

James Bernard Lingwall, Lawrence, Kan.

B.S. '57, M.A. '61, University of Minnesota. Major: Speech Science, Pathology, and Audiology. Minors: Educational Psychology and Psychology. Thesis: The Galvanic Skin Responses of Stutterers and Nonstutterers to Isolated Word Stimuli. Major Adviser: Prof. E. H. Henrikson.

Sie Tung Liu, Taiwan, China

B.S. '59, National Taiwan University; M.S. '63, South Dakota School of Mines and Technology. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in Solid State Devices. Major Adviser: Prof. Aldert van der Ziel.

Stephen T. Margulis, Gainesville, Fla.

B.A. '56, The City College; M.A. '59, Clark University. Major: Psychology. Minor: Educational Psychology. Thesis: On the Loss of a Partner: The Effects of Responsibility on Post-decisional Re-evaluation Processes. Major Adviser: Prof. Dana Bramel.

Raymond Allen Mill, Stillwater, Okla.

B.A. '57, University of Iowa; M.P.H. '61, University of Minnesota. Major: Public Health. Minor: Biostatistics. Thesis: Air Pollution from the Grain Industry: An Analysis of the Influence of Environmental Factors on the Incidence of Asthma. Major Adviser: Prof. H. J. Paulus.

Gopal Chandra Mitra, Patna Bihar, India

Diploma '53, Govt. School of Fine Art; M.A. '63, University of Minnesota. Major: Art Education. Minor: Art. Thesis: An Experimental Study of the Cultural Values Held by Students Preparing to be Art Teachers and Their Influence on Attitudes Toward International Understanding. Major Adviser: Prof. C. A. Gayne.

Orville William Nelson, Menomonie, Wis.

B.S. '56, Stout State University; M.A. '58, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Framework for Research in Industrial Arts Motor Learning. Major Adviser: Prof. H. F. Nelson.

Terry George Newell, St. Paul

B.A. *cum laude* '62, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Biometrical Genetic Analyses of Behavioral Data. Major Adviser: Prof. D. T. Lykken.

John Andrew Newman, St. Paul

B.S. with distinction '59, D.V.M. '61, University of Minnesota. Major: Veterinary Bacteriology. Minor: Biochemistry. Thesis: The Detection and Control of *Mycoplasma Meleagridis*. Major Adviser: Prof. B. S. Pomeroy.

**Demetre Matthew Nicoloff,
Minneapolis**

B.A. '54, M.D. '57, Ohio State University. Major: Physiology. Minor: Biochemistry. Thesis: Metabolic Factors in the Genesis of Pulmonary Edema. Major Adviser: Prof. M. B. Vissscher.

Earl Nolting, Jr., Columbus, Ind.

B.S. '59, M.S. '61, Indiana University. Major: Psychology. Minor: Educational Psychology. Thesis: A Study of Female Vocational Interests: Pre-college to Post-graduation. Major Adviser: Prof. R. F. Berdie.

**Kantilal Purushottamdas Patel,
Patan Guj, India**

B.Sc. '57, College of Agriculture; M.Sc. '60, Institute of Agriculture. Major: Plant Pathology. Minor: Entomology. Thesis: The Bionomics of *Tylenchorhynchus Martini*. Major Adviser: Prof. M. F. Kernkamp.

**Ronald Thomas Perry,
Elizabethtown, Ky.**

B.E. '62, Vanderbilt University. Major: Chemical Engineering. Minor: Mathematics. Thesis: Fluid Mechanics of Entrainment Through Liquid-Liquid and Liquid-Solid Junctures. Major Adviser: Prof. W. E. Ranz.

Anne Margaret Peterson, Minneapolis

B.A. '52, M.A. '55, University of Minnesota. Major: Biochemistry. Minor: Organic Chemistry. Thesis: Characterization Studies on Phosphorus-32 Labeled Fractions of Ribonucleic Acids from Mouse Liver. Major Adviser: Prof. C. P. Barnum, Jr.

Willard Dale Philipson, Sleepy Eye

B.S. '53, M.A. '59, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: The Effectiveness of Selected Films on Learning Biological Concepts by High School Students. Major Adviser: Prof. M. J. Peterson.

**Soontaraporn Ratanadiloknapuket,
Satul, Thailand**

B.S. *cum laude* '60, Kasetsart University; M.S. '64, Louisiana State University. Major: Genetics. Minor: Animal Husbandry. Thesis: Estimation of Number of Genes Controlling Quantitative Traits. Major Adviser: Prof. R. E. Comstock.

Robert Irvin Rence, Duluth

B.S. *cum laude* '40, N.J. State Teachers College; B.T.A.; *cum laude* '48, Pasadena Playhouse College; M.A. *cum laude* '60, Occidental College. Major: Theatre Arts. Minor: English. Thesis: The Burlesque Techniques Employed by James Robinson Planché in His Dramatic Works and Their Relationship to the English Burlesque Tradition Between Joseph Fielding and W. S. Gilbert. Major Adviser: Prof. K. L. Graham.

**Jim Andrew Richstad, Honolulu,
Hawaii**

B.A. '54, University of Washington. Major: Mass Communications. Minor: Political Science. Thesis: The Press and the Courts Under Martial Rule in Hawaii During World War II—From Pearl Harbor to *Duncan v. Kahanamoku*. Major Adviser: Prof. J. E. Gerald.

**Clayton Reynolds Robinson,
Memphis, Tenn.**

B.A. '59, Trinity University; M.A. '60, Mississippi Southern College. Major: American Studies. Thesis: The Impact of the City on Rural Immigrants to Memphis, 1880-1940. Major Adviser: Prof. David Noble.

**Vivian Joyce Lober Rohrl,
LaJolla, Calif.**

B.A. '51, M.A. '59, University of Chicago. Major: Anthropology. Minor: Psychology. Thesis: The People of Mille Lacs: A Study of Social Organization and Value Orientations. Major Adviser: Prof. E. A. Hoebel.

Leonard Rowley, North Ogden, Utah

B.A. '51, M.Ed. '55, Brigham Young University. Major: Speech, Communication and Theatre Arts. Minor: Education. Thesis: A Critical and Comparative Evaluation of Latter-day Saint Drama. Major Adviser: Prof. F. M. Whiting.

Orvin Elwood Rud, Blacksburg, Va.

B.S. '47, University of Wisconsin. Major: Agronomy; Minor: Soil Science. Thesis: A Study of Certain Factors Affecting the Establishment of Stands of Forage Grasses and Legumes. Major Adviser: Prof. A. R. Schmid.

Richard Rudisill, Auburn, Calif.

B.A. '52, M.A. '57, Sacramento State University. Major: American Studies. Thesis: Mirror Image: The Influences of the Daguerreotype on American Society. Major Adviser: Prof. M. C. Turpie.

Camilla Rebecca Schloemer,
West Bend, Wis.

B.S. '51, M.N.A. '52, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Study of Nurse Faculty Members: Their Career Choice and Related Factors. Major Adviser: Prof. R. E. Eckert.

Prabhu Datta Sharma, Jaipur,
Rajasthan, India

M.A. '54, Rajasthan University; M.A. '56, Jaipur University. Major: Political Science. Minor: History. Thesis: Democratic Decentralization in the State of Rajasthan, India. Major Adviser: Prof. G. A. Warp.

Abdel-Rahim Hashim Shehata,
Meet Mirgga, Egypt

B.S. '59, Cairo University; M.S. '64, University of Minnesota. Major: Genetics. Minor: Plant Physiology. Thesis: A Diallel Study of the Expression of Heterosis in Flax (*Linum usitatissimum* L.) Major Adviser: Prof. V. E. Comstock.

Vladimir Shkolnik, Belgrade, Yugo-
slavia

B.S. '50, University of Belgrade; M.S. '58, University of Manitoba. Major: Physics. Minor: Mathematics. Thesis: (P,I) Reactions in Light Nuclei at 40 MeV. Major Adviser: Prof. N. M. Hintz.

James Robert Shumaker,
Shinnston, W. Va.

B.S. '57, M.S. '59, West Virginia University. Major: Horticulture. Minor: Plant Genetics. Thesis: Maternal and Genic-Cytoplasmic Differences in Reciprocally Crossed Tomatoes. Major Adviser: Prof. T. M. Currence.

Rita Ann Sloan, Tulsa, Okla.

B.S.Bus.Ad. '54, University of Tulsa; M.A. Bus.Ed. '62, Columbia Teachers College. Major: Education. Minor: Educational Psychology. Thesis: An Application of the Micromolar Behavior Theory to the Instruction of Beginning Shorthand. Major Adviser: Prof. R. G. Price.

Alfred Small, Philadelphia, Pa.

B.S. '63, Philadelphia College of Pharmacy and Science; M.S. '65, University of Michigan. Major: Pharmacology. Minor: Physiology. Thesis: The Renal Sites and Mechanism of Action of Furosemide. Major Adviser: Prof. E. J. Cafruny.

Richard Alan Smith, Dayton, Wash.

A.B. '62, Whitman College. Major: Biochemistry. Minor: Organic Chemistry. Thesis: A Comparative Study of the Sequence of Amino Acids in the Vicinity of the Histidine Residues in Porcine and Bovine Trypsin. Major Adviser: Prof. I. E. Liener.

Lawrence Harold Smolowitz,
Morristown, N. J.

B.S. '62, Rensselaer Polytechnic Institute. Major: Mathematics. Minor: Physics. Thesis: Wiener Derivatives and Corresponding Fundamental Theorems of the Integral Calculus. Major Adviser: Prof. R. H. Cameron.

Thomas Edward Snider,
Rockbridge Baths, Va.

B.S. '60, Virginia Polytechnic Institute; M.S. '62, Cornell University. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Equity Capital Financing in Minnesota Dairy Cooperatives. Major Adviser: Prof. E. F. Koller.

Robert Phillip Snow, Amherst, N.Y.

B.S. '59, M.A. '63, University of Minnesota. Major: Sociology. Minor: History. Thesis: Institutional Centralization and Communal Particularism: A Study of Role Tensions of Public Health Nurses. Major Adviser: Prof. Don Martindale.

Gerald Lee Steele, Hutchinson

B.S. '57, Mankato State College; M.A. '60, Colorado State College. Major: Education. Minor: Supporting Program. Thesis: A Comparison of Plastics Concepts Learned Using Educational Toys and Three Dimensional Models and Concepts Learned Using Commercial Plastics Processing Equipment. Major Adviser: Prof. H. L. Nelson.

Jerry Bruce Stevens, Coon Rapids

B.S. '59, D.V.M. '61, University of Minnesota. Major: Veterinary Pathology. Minor: Biochemistry. Thesis: Studies on Heparin Lymphocytosis. Major Adviser: Prof. Victor Perman.

Rodney Newcomb Swenson,
Northfield

B.S. '52, Bemidji State College; M.A. '56, University of Minnesota. Major: Education. Minor: German. Thesis: A Frequency Count of Contemporary German Vocabulary Based on Three Current Leading Newspapers. Major Adviser: Prof. E. M. Birkmaier.

William Arthur Thomas, Jr.
Chillicothe, Ohio

B.S. with distinction '60, Purdue University; M.S. '64, University of Minnesota. Major: Forestry. Minor: Ecology. Thesis: Accumulation and Cycling of Calcium by Flowering Dogwood Trees. Major Adviser: Prof. J. R. Tester.

Hu Tong, Taiwan, China

B.S. '61, National Taiwan University; M.S. '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Transistor Noise at High Injection Levels. Major Adviser: Prof. Aldert van der Ziel.

Eleanor Walters Treece, Minneapolis

B.S. '52, Ashland College; M.Ed. '62, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Vocational Choice and Satisfaction of Licensed Practical Nurses. Major: Adviser: Prof. R. E. Eckert.

Rajarama Belle Upadhyaya, Mangalore, India

B.Sc. '57, Coimbatore Agricultural College; M.Sc. '60, Poona College of Agriculture. Major: Genetics. Minor: Plant Pathology. Thesis: Heterosis and Combining Ability in Barley. Major Adviser: Prof. D. C. Rasmusson.

Robert Francis Wambach,
Grand Rapids

B.S.F. '57, University of Montana; M.F. '59, University of Michigan. Major: Forestry. Minor: Agricultural Economics. Thesis: A Silvicultural and Economics Appraisal of Initial Spacing in Red Pine. Major Adviser: Prof. R. A. Skok.

Stroller Tod White,
Princeton, N. J.

B.A. '59, Occidental College; M.A. '62, Long Beach State College. Major: Psychology. Minor: Educational Psychology. Thesis: An Evaluation of a Training Program in Industry. Major Adviser: Prof. M. D. Dunnette.

Joseph P. Wuskell,
West Hartford, Conn.

B.A. '60, University of Connecticut. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: On the Conversion of Secondary Mercaptans to Ketones. Major Adviser: Prof. R. M. Dodson.

Steve Arthur Wutzke,
Sandwich, Ill.

B.S. '59, M.S. '60, University of Illinois. Major: Mechanical Engineering. Minor: Physics. Thesis: Conditions Governing the Symptomatic Behavior of an Electric Arc in a Superimposed Flow Field. Major Adviser: Prof. E. R. G. Eckert.

Massis Yeterian, Baghdad, Iraq

B.S. '52, College of St. Thomas; M.S. '56, Marquette University. Major: Dairy Industries. Minor: Public Health. Thesis: Heat Inactivation of Bacteriophages Specific for Lactic Streptococci. Major Adviser: Prof. J. J. Jezski.

Doctor of Philosophy in Medicine

George Wassef Ibrahim, Tanta,
United Arab Republic

M.B.B.Ch. '54, Cairo University. Major: Medicine. Minor: Biochemistry. Thesis: The Study of Early Labeling in Bile Pigment. Major Adviser: Dr. C. J. Watson.

Doctor of Philosophy in Surgery

Jack Herbert Bloch, Los Angeles,
Calif.

B.A. '52, M.D. '57, University of California. Major: Surgery. Minor: Physiology. Thesis: Experimental Aspects of Cardiogenic Shock. Major Adviser: Dr. R. C. Lillehei.

Earle Ellsworth Crandall, Los Angeles,
Calif.

B.D. '56, University of Illinois. Major: Surgery. Minor: Pathology. Thesis: Effects of Hypothalamic Stimulation on Estrous Cycling in the Cat. Major Adviser: Dr. J. G. Love.

Arthur Storer McFee, Portland, Me.
 B.A. '53, Harvard College; M.D. '57, Harvard Medical School. Major: Surgery. Minor: Physiological Chemistry. Thesis: A Study of the Effect of Profound Local Gastric Hypothermia (Gastric Freezing) on the Turnover of Cells in the Normal Rat Gastric Mucosa, Employing the Uptake & Incorporation of Tritium (H^3) Labelled Thymidine as an Indicator. Major: Adviser: Dr. O. H. Wangensteen.

Nelson Howard Stone, Chicago, Ill.
 B.A. '51, M.S. '52, University of Michigan; M.D. '57, Ohio State University. Major: Surgery. Minor: Pathology. Thesis: The Influence of Sex Hormones on Gastric Secretion and Peptic Ulceration. Major Adviser: Dr. O. H. Wangensteen.

Summary of Degrees Conferred by the University During the Academic Year 1966-67

Conferred July, August and December 1966; March 1967	3954
Conferred June 1967 (subject to completion of requirements)	4473
Total degrees conferred 1966-67	8427*

* Includes 761 conferred at Duluth, 151 at Morris.

Academic Costume

On appropriate occasions, anyone with a college or university degree may wear academic costume consisting of a gown, a hood, and a cap. By observing the kind of academic costume a person wears, it is possible to know the name of the University from which he graduated, as well as the degree which he holds, and, in some cases, the field of his major interest as well.

The long pointed sleeve of the gown indicates a Bachelor's degree, the long closed sleeve with a slit for the arm indicates a Master's degree, and the open sleeve marks a Doctor's degree. Bachelors' and Masters' gowns are black in color and are without any trimming. Generally, the Doctor's gown is black also, but some universities, particularly those abroad, prescribe such festive colors as red, crimson, or green. All Doctors' gowns have velvet trimming on the front facings and crossbars on the sleeves. This trimming may be black, or it may match the color of the edging of the hood and thus identify the profession or field of major interest of the wearer.

At a commencement it is quite proper to wear the gown—but not the hood—appropriate for the degree which is to be received. The only hoods worn at commencements are for degrees which have already been received. Thus only those students and faculty members who have already received college or university degrees wear hoods. Anyone who has a degree from the University of Minnesota may wear a hood decorated with a maroon chevron on gold background. The length and shape of the hood indicates whether the wearer has earned a Bachelor's, a Master's, or a Doctor's degree. The velvet edging on the hood indicates the field in which the degree was granted. For example, dark blue signifies Philosophy; light blue, Education; green, Medicine; lilac, Dentistry; orange, Engineering; russet, Forestry; drab, Business; olive green, Pharmacy; purple, Law; gray, Veterinary Medicine; golden yellow, Science; and white, Arts and Letters.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidates are honors students.

Caps, generally mortarboards with tassels, have significance, too. The Doctor's tassel may be black or gold. Masters' and Bachelors' tassels are black; but at University of Minnesota commencements—upon the authority of the University Senate Committee on Functions—candidates for the Bachelors' and Associates' degrees wear tassels which indicate their schools or colleges by color as follows:

(In the order of march)

General Extension Division	orange and drab
General College	crimson and white
College of Liberal Arts	white

University College	old gold and white
College of Biological Sciences	golden yellow
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize
College of Education	light blue
School of Business Administration	drab
College of Pharmacy	olive
Law School	purple
College of Veterinary Medicine	gray
School of Dentistry	lilac
College of Medical Sciences	green
Graduate School	black

But once the Bachelor's degree has been received and the commencement is over, the graduate, should he wear academic costume again, will wear only the black tassel as does the holder of the Master's degree. Similarly, he will not in the future wear the shoulder insignia as a part of his academic dress even if he is an honor graduate. All graduates of the University should remember that the academic dress at this University conforms to the rules of the Intercollegiate Bureau of Academic Costume. This means that Minnesota academic costume may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.



UNIVERSITY OF MINNESOTA

July Commencement, 1967

FRIDAY AFTERNOON, JULY 14, 4:00 P.M.

NORTHROP MEMORIAL AUDITORIUM

The Board of Regents

The Honorable Lester A. Malkerson, Minneapolis
First Vice President and Chairman

The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior
Second Vice President

The Honorable Elmer L. Andersen, St. Paul

The Honorable Daniel C. Gainey, Owatonna

The Honorable Albert V. Hartl, Fergus Falls

The Honorable Herb L. Huffington, M.D., Waterville

The Honorable Fred J. Hughes, St. Cloud

The Honorable Charles W. Mayo, M.D., Rochester

The Honorable William K. Montague, Duluth

The Honorable George W. Rauenhorst, Olivia

The Honorable Otto A. Silha, Edina

The Honorable Herman F. Skyberg, Fisher

Dr. O. Meredith Wilson, President

Dr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

SMOKING AND USE OF CAMERAS AND RECORDERS — It is requested, by action of the Board of Regents, that in Northrop Memorial Auditorium smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms. The use of cameras or tape recorders in the auditorium by members of the audience is prohibited.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and sixteenth birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the young people of today to become the leaders of tomorrow. Each year our graduates leave our campuses to add new skills and knowledge to the existing resources of our state. They have been trained here as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, farmers, businessmen — to name only some of the careers for which preparation is offered. Since its founding, the University has awarded more than 198,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to nearly 44,000 students annually on its Minneapolis-St. Paul, Duluth, Morris, Crookston and Rochester campuses, the University offers, through its Schools of Agriculture and its General Extension Division, specialized training designed to assist those who wish to study on a part-time basis. It offers further educational opportunity throughout the state by providing county agents, home agents, 4-H club agents, and recreation and health consultants who give effective instruction to residents of the state in their own homes.

In the diversified research laboratories on the University's six campuses, at the several agricultural experiment stations scattered throughout the state, at the Rosemount Research Center, the Cloquet Forest Research Center, the Cedar Creek Natural History Area near Bethel, the Fruit Breeding Farm and the Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, the Hormel Institute at Austin, and at University Hospitals, University scientists are working on countless research experiments of vital importance to the future health and welfare of us all. These projects, of which only a few are mentioned here, are concerned with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and development of new varieties of grains, fruits, and flowers.

THE UNIVERSITY is acknowledged to be the cultural hub of the Northwest. It is the home of the University Artists Course, Radio Station KUOM, the University of Minnesota Television Hour, the University Theatre, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings renowned artists and lecturers to more than a million and a half persons living in the area it serves.

The people of Minnesota are proud of their University, not only because it is one of the leading state universities in the nation, but also because of the extent and quality of its services from which they, their families, com-

munities, and organizations benefit. Their interest in the University is a dynamic thing and expresses itself in many ways. Contributions from them have made it possible for the Variety Club Heart Hospital and the great Mayo Memorial Building to be constructed. Through the American Legion and its auxiliary posts all over the state, thousands of friends have made generous donations to provide an endowed research professorship in heart disease. Generous contributions have built the Masonic Memorial Hospital, the Veterans of Foreign Wars Cancer Research Center, and Diehl Hall (which houses the biological-medical library and additional medical research facilities).

Equally generous have been the contributions made by corporations, associations, foundations, trade unions, clubs, and individuals, whose tireless efforts have made hundreds of scholarships and fellowships available to promising students each year. Chiefly because of financial difficulties, only one-half of the state's high school graduates of marked ability enter any college or university. Friends and supporters of the University, recognizing the need to alleviate this situation, continuously try to increase the number of scholarships and the amount of money available for scholarship assistance.

As it meets the needs of present students, the University must also make plans for those of the future. The 43,997 students who enrolled at the University at the beginning of the 1966-1967 academic year represented nearly one-half of Minnesota's college-level enrollments. They underline the fact that there are limits to the University's physical capacity. Future enrollments must be adjusted to those limits. In the fall of 1965, for the first time in its history, the University instituted an admissions policy based on controlled growth of total enrollment. This change in admissions requirements held the 1966-1967 enrollment to about 44,000 students. It reflects the University's need for more teachers, more land, more buildings. And it makes plain the University's determination to maintain the educational quality that has made it one of America's leading educational institutions.

THE 1967 LEGISLATURE granted the University \$110,893,275 for general operations and maintenance during the 1967-1969 biennium. In addition, the University received \$9,401,100 for University Hospitals; \$9,883,460 for special appropriations, including special extension and research activities; \$22,739,346 for new buildings, land, and the rehabilitation of existing buildings; and \$955,000 for the University of Minnesota Technical Institute, Crookston.

Each year the University publishes and widely circulates a summary financial statement, which is available to anyone upon request, as is a much more comprehensive and complete statement for those who wish to make a special study of the University's income and expenditures.

The summary financial statement of 1965-1966 showed that the University's current income and expenditures amounted to \$150,738,945.58. Of the total received, \$15,647,291.27 came from student tuition and fees; \$20,023,300.63 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theatre receipts and the sale of bulletins and agricultural products; \$1,673,200.41 from intercollegiate athletics; \$21,659,432.05 from such

services as the dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, and the Health Service; and \$7,937,650.10 from corporations, foundations, individuals, and endowment income for instruction, research, prizes, scholarships, and the care of the sick. Also \$34,462,190.42 came from the federal government for instruction, research, and agricultural extension. The state provided \$49,335,880.70 or 32.7 percent for the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$13,814,966.

Commencement marks only the conclusion of the individual's academic life at the University. As a graduate, he contributes to its history and participates in its aspirations. Alumni are urged to continue their affiliation with the University through the Minnesota Alumni Association and its college groups. Also, support is urged for the University of Minnesota Alumni Fund, administered in the Alumni Office in Coffman Memorial Union, and the various Special Project Programs, including scholarships, medical and technological research, and college service funds, which are administered by the Department of University Relations, Morrill Hall.

Alumni, their families, and their friends are always welcome here. The University hopes they will return frequently to visit the campus and to renew cherished ties.

Order of Events

ASSEMBLING OF THE AUDIENCE: As degree candidates and their friends and families reach the Minneapolis Campus of the University this afternoon from 3:15 to 3:45 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mrs. James Whipkey, Graduate Student, University Carillonneur. Admission to the July Commencement exercises is by guest card only. Guests will be seated as they arrive and will remain seated until the colors are presented.

PRELUDE CONCERT: From 3:30 to 4:00 p.m. the University Summer Concert Band, conducted by Graduate Associate Director John P. Zdechlik, M.A., will play.

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 4:00 p.m., Professor John C. Kidneigh, M.A., College of Liberal Arts, Faculty Marshal, will carry the Mace into the Auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal Kidneigh, as Mace-bearer, will present the Mace at the center of the stage. When all of those marching have taken their seats, he will put the Mace in its cradle to signal the beginning of the ceremony. During the procession, the Summer Concert Band will play:

Proud Heritage - - - - - William Latham

ON THE STAGE: The curtain will be opened when the Mace-bearer enters. Seated in the first row, from left to right, are Marshal Kidneigh; Professor Howard F. Nelson, Ed.D., College of Education, Marshal; Recorder W. Donald Beatty, Ph.D., Admissions and Records; The Reverend George G. Garrelts, Director of the Newman Center; Assistant Professor David L. Giese, Ph.D., General College; Captain James F. Iaconis, U.S.A., Acting Professor of Military Science; Professor Morris E. Nicholson, Jr., Sc.D., Institute of Technology; The Honorable William K. Montague, Regent of the University of Minnesota; Professor Frank H. Kaufert, Ph.D., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Dean Robert J. Keller, Ph.D., College of Education; The Honorable Herb L. Huffington, Regent of the University of Minnesota; Dean Willard L. Thompson, Ph.D., Summer Session; Vice President Laurence R. Lunden, LL.D., Business Administration; President James F. Nickerson, Ph.D., Mankato State College, Commencement Speaker; Vice President William G. Shepherd, Ph.D., Academic Administration; The Honorable Lester A. Malkerson, Chairman of the Board of Regents of the University of Minnesota; Vice President Stanley J. Wenberg, M.A., Educational Relationships and Development; Dean Bryce L. Crawford, Jr., Ph.D., Graduate School; The Honorable George W. Rauenhorst, Regent of the University of Minnesota; Dr.

Edwin L. Haislet, Ed.D., Director of Alumni Relations; Associate Dean George Seltzer, Ph.D., School of Business Administration; Dean E. W. Ziebarth, Ph.D., College of Liberal Arts; The Honorable Elmer L. Andersen, Regent of the University of Minnesota; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Lieutenant Colonel James Suttie, U.S.A.F., Professor of Aerospace Studies; Associate Dean H. Mead Cavert, Ph.D., College of Medical Sciences; Associate Dean Martin L. Snoke, Ph.D., Office of the Dean of Students; Professor Roy A. Schuessler, M.M., College of Liberal Arts; Professor Ambert B. Hall, D.D.S., College of Dentistry, Marshal; Professor Charles Edwards, Ph.D., College of Medical Sciences, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University Army, Navy, and Air Force ROTC Cadets and Midshipmen, enters the Auditorium, the audience will rise and will remain standing for the National Anthem and for the Invocation. The Summer Concert Band will play:

Inaugural Fanfare - - - - - Frank Bencriscutto

THE NATIONAL ANTHEM: The entire audience and Professor Schuessler, soloist.

O, say! can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
O, say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

INVOCATION: Father Garrelts.

SPEAKING FOR THE UNIVERSITY: Vice President Shepherd.

COMMENCEMENT ADDRESS: Dr. James F. Nickerson, "Tremors in Academia."

CONFERRING OF ROTC CERTIFICATES: Vice President Wenberg will introduce Captain Iaconis and Lt. Colonel Suttie, who will present the candidates for commissions in their respective services. Certificates of ROTC completion will be presented by Vice President Shepherd.

PRESENTATION OF CANDIDATES: Vice President Wenberg will introduce the deans of the several colleges or their representatives who will present to Vice President Shepherd the candidates for certificates and degrees. They are, in order of their introduction: Assistant Professor Giese for the General College; Dean Ziebarth for the College of Liberal Arts; Professor Nicholson for the University College; Acting Dean Verbrugge for the Institute of Technology; Professor Kaufert for the Insti-

tute of Agriculture; Associate Dean Seltzer for the School of Business Administration; Dean Keller for the College of Education; Associate Dean Cavert for the College of Medical Sciences; Dean Crawford for the Graduate School.

CONFERRING OF DEGREES: Vice President Shepherd will confer certificates and degrees upon the members of this graduating class.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Dr. Haislet.

PRESENTATION OF DIPLOMAS: With Dean Thompson presiding, members of the July graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Vice President Shepherd will confer the degrees upon the candidates. As each new Doctor of Philosophy is invested with his academic hood, he will be presented individually by Dean Crawford.

HAIL! MINNESOTA: The University's Alma Mater song, sung by the audience and Professor Schuessler, soloist.

Minnesota, hail to thee!	Like the stream that bends to sea,
Hail to thee, our college dear!	Like the pine that seeks the blue,
Thy light shall ever be	Minnesota, still for thee
A beacon bright and clear;	Thy sons are strong and true;
Thy sons and daughters true	From thy woods and waters fair,
Will proclaim thee near and far;	From thy prairies waving far,
They will guard thy fame	At thy call they throng
And adore thy name;	With their shout and song,
Thou shalt be their Northern Star.	Hailing thee their Northern Star.

RECESSIONAL: The Summer Concert Band will play:

Hands Across the Sea - - - - - John Philip Sousa

THE AUDIENCE is requested to remain seated until those in academic costume have left the Auditorium.

(Immediately following these exercises, all members of the audience are invited to attend the President's Reception, which is described on the back cover of this program.)

Candidates for Commissions

Subject to the completion of all curriculum requirements at the close of the first term of the Summer Session, commissions will be presented to those listed below and to such others as may meet the requirements for the Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Transportation Corps

Donald L. Doerfler, Hamel

Curtis A. Houston, Minneapolis

DEPARTMENT OF AEROSPACE STUDIES

Second Lieutenant, USAF Reserve

Roger H. Asp, Robbinsdale

Allan V. Shukle, St. Paul

Paul W. Lavender, Jr., St. Paul

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of the first term of the Summer Session, degrees will be conferred as indicated on those listed below and upon such others as may meet the graduation requirements.

GENERAL EXTENSION DIVISION

Accounting Certificate

Dennis Wilfred Buhl, Minneapolis

General Engineering Certificate

James Francis Madden, St. Paul

GENERAL COLLEGE

Associate in Arts

Eugene Burgis Arves, Minneapolis	Jerome James Jarosch, St. Paul
Jerry Donald Benedict, Richfield	James Gene Kelly, Bloomington
Ronald Bernard Cameron, Minneapolis	Curtis George Kuschner, St. Paul
William Francis Cartwright II, St. Paul	Robert Gregory Lane, Minneapolis
Julius Edward Collier, Shakopee	Arlo Herman Lange, Minneapolis
Gary Richard Davis, Wayzata	Joseph Raymond Lopez, St. Paul
Janet Mary Eaton, St. Paul	Joseph Richard Moreno, Jr., St. Paul
Gary Richard Eckland, St. Paul	Noel Joseph Murray, Minneapolis
Michael Ray Egeland, Minneapolis	Stephen Marvin Neighbors, St. Louis Park
Cynthia Lou Engebretson, Minneapolis	Lee R. Nowick, Milwaukee, Wis.
Constance Joan Fischbach, St. Paul	Cynthia Louise Pafiolis, Richfield
James Stephen Goldstein, Minneapolis	Clark Charles Peterson, Hinckley
Lawrence Allan Hasse, St. Paul	Mel Harold Pittel, Minnetonka
William Russell Hayford, Minneapolis	Jeryl Lee Richmond, St. Paul
James Russell Hemming, St. Paul	Jay Stuart Saltzman, Minneapolis
Edwin Arthur Hiner, Minneapolis	Karlene Kae Smith, Minneapolis
	Richard Steven Somody, Willmar
	Earl Richard Spencer, South St. Paul

Linda Marie Storch, Minneapolis
Richard Jeffery Timm,
Robbinsdale
Brandon James Trombley,
Minneapolis
Thomas John VanYo, Minneapolis

Mary Florence Wied, Minneapolis
Dean C. Wilson, Minneapolis
Barbara Jean Wolters, West
St. Paul
Karen Sue Yarmo, St. Paul

COLLEGE OF LIBERAL ARTS

Associate in Liberal Arts

Kathleen Ann Bochert,
Minneapolis

Jana Phyllis Castle, Waterloo, Iowa

Bachelor of Arts

*Honors citations are provisional and will not become final until
all requirements are met for the level indicated.*

Bruce Lawrence Ahrens, A.A.,
St. Paul
Michael Ray Alm, Minneapolis
John Charles Anderson,
Minneapolis
Jane Selfridge Angrist, Minnetonka
Marilyn Judith Baldwin,
Minneapolis
Harvey Ronald Barberg,
Minneapolis
Jean Marie Bartelt, Minneapolis
Mary Margaret Bastian, St. Paul,
CUM LAUDE, *English*
John Richard Baudler, Austin
Lynn Diane Bellak, Minneapolis
Alan Paul Bender, Minneapolis
James Paul Benson, Le Sueur
Evelyn Ann Ristrom Berglund,
St. Paul
Barbara Maxine Bierbaum,
Robbinsdale
Peter William Bissell, Minneapolis
William Sharpe Blake, St. Paul
Janis Luayne Bomersheim, St. Paul
Herb Howard Bostrom,
Minneapolis
Balva Marie Caffrey, Riga, Latvia
Mary Anne Carter, St. Louis Park
Helen Janet Cooper, Dodge Center
Craig Llewellyn Crawford, St. Paul

Kenneth Paul Crow, Golden Valley
Lessie Ann Culmer, Minneapolis,
MAGNA CUM LAUDE, *Interdepart-
mental*
Sandra Lee Curtis, Le Center
Donald Lee Doerfler, Hamel
Daniel Edward Doody, St. Paul
Linda Jane Eggers, Minneapolis
Marcia Kathryn Emerson, Minne-
apolis, CUM LAUDE, *French*
Evonne Hannah Erickson, St. Paul
Marie Griffin Esch, New Albin,
Iowa
Judith Kay Sackett Fabry, Albert
Lea
Robert Nels Fagerhaugh,
Minneapolis
Greta Ane Flodquist, North
Branch
Michael Manning Gavin, Glencoe
Leo John Giovannini, Minneapolis
Elaine Edith Goldberg,
Minneapolis
Alan Ira Gotkin, St. Louis Park
Pamela Anne Graham,
Minnetonka
Jetta Nell Grantham, Omaha,
Neb.
Richard Henry Lawrence Gray,
Chisholm

Joanne Barbara Greimel,
 Minneapolis
 Mary Louise Haglund,
 Minneapolis
 Glenn Hewitt Hanna, Minneapolis
 David Neison Haspel, St. Paul
 Janet Eileen Hathaway,
 Minneapolis
 Paul Marshall Heim, Minneapolis
 Margaret Jane Higley, Minneapolis
James Stuart Hillgren, Bloomington, MAGNA CUM LAUDE, Psychology
 Susan Margaret Simmer Hinding,
 St. Paul
 Patrick Burke Hoemke, St. Paul
 Curtis Alan Houston, Minneapolis
 Michael Andre Huck, St. Paul
 Richard Lewis Hurlbut, Jr.,
 Watertown, S. D.
 Walter Lewis Hyde, Jr., Rochester,
 N.Y.
 Donald Dean Ingalls, Rochester
 Maj Lis Katherine Jalkio, St. Paul
 Ann Vienna Jenkinson, Wayzata
 John Mitchel Jensen, Ellendale
 Robert Martin Joesting, New Ulm
 David Gary Johnson, St. Paul
 Georgia Mae Johnson, Minneapolis
 Linda Lea Johnson, Lakota, N.D.
 Margaret Ann Johnson,
 Minneapolis
 Howard Laurance Kaibel, Hopkins
 John Kenneth Kallman,
 Minneapolis
 James Stephen Kaminsky,
 Minneapolis
 Robert Arthur Kieffer, Hastings
Barry William Kirschner, Minneapolis, SUMMA CUM LAUDE, Art History
Jay David Kremen, Minneapolis, MAGNA CUM LAUDE, Sociology
 Christopher William Kvale,
 Rochester
 Robert Earl LaShomb, Roseville
 Paul Warren Lavender, Jr., St. Paul
 Jeffrey Kendall Light, Mound
 James Bristol Livingston,
 Minneapolis
Daniel Ralph Lott, Minneapolis, SUMMA CUM LAUDE, Psychology
 Lesley Ann Lundbohm, St. Paul
 Dennis Patrick Lynard,
 Minneapolis
 Lili Maleki, Tehran, Iran
 Richard Byron Marple, Faribault
 James Bost McCreary, Minneapolis
 Dwight Michael McMurray, West
 St. Paul
Josette Blanche Filippi Meckstroth, Minneapolis, SUMMA CUM LAUDE, French
 David Lynn Miller, Lake Park,
 Iowa
 Jay Merle Milstein, Minneapolis
 Christie Stratton Morris,
 Minneapolis
 James Warren Morse II,
 Richmond, Vt.
Nicholas Johann Neubauer, St. Paul, SUMMA CUM LAUDE, Political Science
 Gayle Kathleen Olson, Minneapolis
 Mark Alan Olson, Minneapolis
 Carol Alison Orr, Minneapolis
 Elaine Marie Parson, Duluth
 John Andrew Pates, Granite Falls
 Alan Mark Perper, Minneapolis
 Susan Mary Peterson, Minneapolis
 Renee Joyce Pfenning, Jamestown,
 N.D.
 Carol Lynn Pine, St. Paul
 Margaret Ann Powelson, St. Cloud
 Josephine Hayes Price,
 Minneapolis
 John Worum Putnam, St. Paul
Nathanael Lauren Quanrud, A.A., Minneapolis, CUM LAUDE, Speech
 Steven Howard Rasmussen, Coon
 Rapids
 Peter Whannel Ray, Minneapolis
 Catherine Raymond Rehm,
 Minneapolis
 Randi Averil Ringham,
 Minneapolis
 Ronnie James Robertson,
 Minneapolis
 John Edward Rode, St. Paul
 James Nelson Ruddy, Toledo,
 Ohio

James Olav Saboe, Garrison
 Marcia Joanne Scanlon,
 Minneapolis
 Arlie Mac Schepke, Edina
 Dianne Yoko Hayashida Scherber,
 Minneapolis
 Martha Louise Schlenk, A.A.,
 St. Paul
 Kathleen Ann Schmaltz,
 Minneapolis
 Dennis Bentley Scoville, La
 Crescent
 Michael Erling Seavall, Hopkins
 Zella Jane Shannon, Minneapolis
 Marsha Portnoy Shore,
 Philadelphia, Pa.
*William Dean Showalter, Grand
 Rapids, SUMMA CUM LAUDE,
 Anthropology*
 Katherine Ann Siemers, St. Louis
 Park
 Robert Fanellon Silcox, A.A.,
 Biwabik
*Dionis Coffin Spitzer, Princeton,
 N.J., MAGNA CUM LAUDE, Speech
 and Theatre Arts*
 Robert Francis Springer,
 Minneapolis
 Ronald Joseph St. Anthony,
 Minneapolis

Paul Bonnell Stevenson, Hopkins
*Sarah Alice Stevenson, Stillwater,
 MAGNA CUM LAUDE, Scandinavian*
 Kathleen Marie Strehlow, St. Paul
 Wayne Harold Swanson, Aitkin
 Wayne Clifford Swenson, Richfield
*James Barron Swick, Minneapolis,
 CUM LAUDE, Psychology*
 Mary Lou Taylor, Minnetonka
 Barry Hardin Thorvilson,
 Minneapolis
 Diane Agnes Tschida, St. Paul
 Douglas Arthur Unze, Minneapolis
 Stephen Stensrud Upton,
 Minneapolis
 John Hollister Valentine, St. Louis
 Park
*Richard Lee Vickers, West St. Paul,
 SUMMA CUM LAUDE, Psychology*
 David John Vrieze, Minneapolis
 Susan Kay Dawson Wallen, Fort
 Dodge, Iowa
 James Gordon Wedin, Minneapolis
 Katheryn Jane Wicker, Fridley
 Sigrid Adair Marshall Willgohs,
 Wakefield, Kan.
 Daniel Gregory Wilson, Bovey
 Byron Leo Zotaley, St. Louis Park

UNIVERSITY COLLEGE

Bachelor of Science

James Stevens Clagett, Rochester

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Vincent Glen Anderson, St. Paul
*Allan Vincent Shukle, St. Paul,
 WITH DISTINCTION*

John Herbert Tschetter, Fairmont

Bachelor of Chemical Engineering

Duane Thomas Hansen, White
 Bear Lake

David Arthur Hofacker, St. Paul

Bachelor of Civil Engineering

Allan Thomas Brown, Ortonville
Robert Tipton Brown,
Minneapolis

Larry Gordon Koenig, Swanville,
WITH DISTINCTION
Timothy Irving Marr,
Minneapolis

Bachelor of Electrical Engineering

Roger Harold Asp, Robbinsdale
Stephen John Boll, Minneapolis
Dale Orville Brandser, Winsted
Donald Allen Carlson, North St.
Paul

Robert Marvin Clarke, Brainerd,
WITH DISTINCTION
Michael John Ellenbecker, St.
Cloud, WITH DISTINCTION

James Terry Lee, Rochester
Thomas Jerome Maley, St. Paul
Richard William McNamara, St.
Paul

James Otto Nicholson, Minneapolis
Thomas Michael Rohde, A.A.,
Rochester
Frank Wayne Woods, A.A., Lake
Hubert

Bachelor of Mathematics

Ronald Allen Johnson, Stillwater

Eileen Gunderson Windfeldt,
Minneapolis

Bachelor of Mechanical Engineering

Thomas Frederick Gaedy, Minne-
apolis

James Louis Karalus, Duluth

Bachelor of Mineral Engineering

Robert William Thomas, South St. Paul

Bachelor of Physics

Patrick John Thomas, Minneapolis

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Gary Walter Beneke, Caledonia,
Agriculture
Norman Kenneth Bickford, Grand
Rapids, Forestry

LeRoy Carl Boock, Detroit Lakes,
Agriculture
Glen Steven Christiansen, Lake-
field, Agriculture

Jane Florence Erickson, Minneapolis, Home Economics
Edward Lawrence Feiler, Osseo, Agriculture
James Walter Heinecke, Crystal Bay, Agriculture
Marjorie Ann Hergott, Le Sueur, Home Economics, WITH DISTINCTION
Mary Therese Hayes Kantola, Buffalo, Home Economics
Kathleen Marie Kremer, St. Paul, Home Economics

Induprava Misra, India, Home Economics
Ronald Ralph Roalstad, Minneapolis, Forestry
Duane Francis Smith, St. Paul, Forestry
Barbara Ruth Tapper, Minneapolis, Home Economics
Geraldine Ann Thiel, Wheaton, Home Economics
Barbara Ann Wensel, Bryn Mawr, Pa., Home Economics

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Karen Ann Mosso, St. Paul, Home Economics Education
Cynthia Ann Podjaski, St. Paul, Home Economics Education

Donna Rae Ranallo, Minnetonka, Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Agricultural Business Administration

James Edward Hamilton, Mariposa, Calif.

Ronald David Tueller, A.A., Roseville, Calif.

COLLEGE OF EDUCATION

Bachelor of Science

Eunice Irene Adamson, Pine River
Nancy Fay Arntsen, Hopkins

Patricia Louise Backen, Minneapolis

Jean Frances Barnhart, Minneapolis, WITH DISTINCTION
 Shirley Ann D. Baumgart, Luck, Wis.
 Gloria Jean Belmer, Minneapolis
 Mary Louise Bornstein, St. Louis Park
 Beverly Joyce Brandell, Anoka
 Fred Ross Brown, Minneapolis
 Kathleen Jane Brunner, Minneapolis
 Lois Ann Carlson, Forest City, Iowa
 Marian Arlene Copa, Minneapolis
 Marianne Ernst Davidson, St. Paul
 Frances Livermore Davies, Minneapolis
 Rose Mary Doth, St. Paul
 Miriam E. Droege, B.A., Minneapolis
 Patricia Ann Ellickson, Minneapolis
 Connie Marie Erickson, Roseau
Carol Joy Ericson, Minneapolis, WITH DISTINCTION
 Judith Ann Evans, St. Paul
 Evelyn Finkelstein, St. Louis Park
 Elizabeth Elaine Frost, St. Paul
 Mary Joanne Gaffney, Minneapolis
 Kathleen Ann Gesell, B.A., St. Paul
Marjory Ann Gherity, Minneapolis, WITH DISTINCTION
 Jane Kathryn Gilje, St. Paul
 Ruth Irene Goudie, Monticello
 Helen O'Keefe Green, St. Paul
Nancy Kay Hajicek, St. Paul, WITH DISTINCTION
 Norma Clarene Halvorsom, Wendell
 Larry Dean Hansen, Buffalo
Rosalind Kay Hennington, Sauk Centre, WITH HIGH DISTINCTION
 Barbara Josephine Houck, Minneapolis
 Gordon Bertin Hoye, Minneapolis
Loretta Margaret Steichen Huber, St. Paul, WITH DISTINCTION
 James Joseph Huble, B.A., Columbia Heights
 Gail Maureen Israel, St. Louis Park
 Susan Prokasky James, Minneapolis
 Maureen Candice Kadrie, St. Paul
 Joan Carol Knudsen, A.A., Wayzata
 Martha Kipp Knudsen, Minneapolis
 Wanda Irene Knutson, Williams
 Donna M. Kroschel, B.A., St. Paul
 Daniel Mark Kurtz, St. Paul
 Harold Arthur Lake, Gettysburg, S.D.
 Harold Henry Larson, Minneapolis
 Marlene Kay Larson, Moorhead
 Robert Daniel Larson, B.A., LL.B., Minneapolis
 William George Lindner, B.A., B.Chem., Edina
Linda Jean Lindstrom, Richfield, WITH DISTINCTION
 Beatrice Adele Jackson Loye, Minneapolis
 Marcia Jane McCabe, Minneapolis
 Sheryl Lou Mertz, Bowling Green, Ohio
 Margaret Anne Mumford, Minneapolis
 Leone Marillyn Nelson, Minneapolis
 Joyce Eulrich Nickel, Richfield
 Catherine Rose Olinger, Minneapolis
Diana Lorraine Palmer, St. Paul, WITH DISTINCTION
 Mary Joanne Peters, Minneapolis
Sally Jean Pigeon, Bloomington, WITH DISTINCTION
Margaret Ann Powelson, St. Cloud, WITH DISTINCTION
James Allen Powers, B.A., Beard-ley, WITH DISTINCTION
 Walter Powles, Newburgh, N. Y.
 Roxy Thomas Prenevost, Minneapolis
 Michael Patrick Quinn, Minneapolis
 Anita Marie Rylander, St. Paul
Linda Marie Smith Sabatke, Coon Rapids, WITH DISTINCTION
 Mary Elvera Sampson, Hopkins
 Marie June Schert, Mound

William Francis Schwartz,
Minneapolis
John Charles Smith, Minneapolis
Katherine Grandy Smith, Wayzata
Ellen Clausen Snustad, St. Paul,
WITH HIGH DISTINCTION
Carrie Rae Steinbach, Bloomington,
WITH HIGH DISTINCTION
Sherry Lee Sweetnam, Minneapolis,
WITH DISTINCTION
Thomas Arthur Toebe, St. Paul

Cynthia Ann Trombley, Minneapolis
Harvey Merritt Turner, St. Paul,
WITH DISTINCTION
Rosanne Perlick Turpin, Minneapolis
Sharon Kay Wright Wagner, St. Paul,
WITH DISTINCTION
Juliette Marie Weiland, Princeton
Maurice Allen Weinblatt,
Bloomington

Master of Education

Donna Vicki Louise Beall, B.A.,
Saskatoon, Saskatchewan,
Canada
Edward Carl Brandeen, B.S.,
Crystal
Newt Deene Campbell, B.A.,
Lovington, N.M.
Joseph Peter Cavaleri, B.S., St.
Louis Park
Wallace Rene Hlavac, St. Louis
Park

James David Peterson, B.S.,
Minneapolis
Robert Raymond Prawdzik, B.S.,
Bloomington
Lena Mary Tague, B.S.,
Broomall, Pa.
Daniel Benner Tetzlaff, B.S., with
distinction, Minneapolis
Eileen Gunderson Windfeldt,
Minneapolis

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

Leonard Evan Ambroe, St. Michael,
Pa.
Robert Arthur Boyer, Albert Lea
Richard William Farrell,
Minneapolis
Eugene Walter Goad, Minneapolis
David C. Goehle, Luverne, WITH
DISTINCTION
John Thomas Golle, St. Paul
Kenneth C. Hanson, Minneapolis,
WITH DISTINCTION
Donald James Haugen, Kenyon
Lowell Peter Jacobsen, Hutchinson
Larry Dean Jensen, St. Louis Park
Lawrence William Johnson,
St. Paul
Robert Gary Karr, A.A., St. Paul
David Dale Kunze, Spicer
Allen Lee Messerli, Winthrop

William Hans Nelson,
Minneapolis
Donald Charles Orth, Redwood
Falls
Warren Al Oskey, Red Wing
Dennis Lewis Ritchie, Anoka
Timothy William Scott, St. Paul
Donald Albert Shumate, Minne-
apolis
Tucker Jon Snyder, Elmore
Don Charles Springer, Minneapolis
Kent Edward Stahel, St. Paul
Robert Paul Stockstead, Golden
Valley
Kent LeRoy Swanson, St. Paul,
WITH DISTINCTION
Jerry Dean Taylor, Minneapolis
William Adrian Van Ysseldyk,
Minneapolis
James Leonard Vassar, Hopkins

Rickey Lee Vondenkamp,
Windom
Charles Andrew Warnes, Karlstad

Stephen Clemens Wennes,
Minneapolis
Gregory Ralph Wilson, Austin

Bachelor of Science in Economics

Roger Clarence Larson, Minneapolis

COLLEGE OF MEDICAL SCIENCES

Master of Public Health

Frances Mary Doring, B.S.,
Madison, Wis.

Bonita Jean Fong, B.S., St. Paul
Vera Lucille Egger Fritz, B.S.,
Minneapolis

Julia Nell Lawler, B.S.,
Burlington, Vt.

Alice Marie Stang, B.S., Jordan
Marilyn Lee Twogood, B.S.,
Pineville, Mo.

GRADUATE SCHOOL

Master of Arts

Gerald Lee Allen, Olympia, Wash.
B.A. '65, University of Washington. Field
of Concentration: Economics. Major Ad-
viser: Prof. N. J. Simler.

David Christian Anderson, Lutsen
B.A. '61, University of Minnesota. Field of
Concentration: Art. Major Adviser: Prof.
Melvin Waldfoegel.

Luther Jacob Askeland, Vermil-
lion, S. D.

B.A. *summa cum laude* '62, Harvard Col-
lege. Field of Concentration: Scandinavian.
Major Adviser: Prof. Nils Hasselmo.

Earl Charles Benson, Cannon Falls
B.S. '61, University of Minnesota. Field of
Concentration: Music Education. Major
Adviser: Prof. R. L. Borg.

James Eddy Billings, East Lansing,
Mich.

B.A. with high honor '63, Michigan State
University. Field of Concentration: Eco-
nomics. Major Adviser: Prof. Herbert
Mohring.

Richard Boyd Bingham, Blackfoot,
Idaho

B.A. '65, Columbia College. Major: His-
tory. Minor: Political Science. Thesis: In
the Pursuit of Peace: The Rationale of
French Diplomacy in Northern Europe,
1690-1691. Major Adviser: Prof. J. B.
Wolf.

John Michael Bregenzer, Minne-
apolis

B.A. '61, Carleton College. Major: Anthro-
pology. Minor: Linguistics. Thesis: The
Pronoun of Address: A Cross-Cultural
Study. Major Adviser: Prof. P. J. Pelto.

Roger Alvin Bren, Hopkins

B.S. '61, University of Minnesota. Field of
Concentration: Education. Major Adviser:
Prof. C. H. Boeck.

Harry Joseph Brown, Minneapolis

B.S. with distinction '49, University of
Minnesota. Field of Concentration: Physi-
cal Education. Major Adviser: Prof. J. F.
Alexander.

Michael Paul Buck, St. Paul
B.A. '65, Hamline University. Field of Concentration: Education. Major Adviser: Prof. G. A. McCune.

John Charles Chalberg, Brainerd
B.A. '64, Regis College. Field of Concentration: History. Major Adviser: Prof. Kinley Brauer.

Wing Ho Chan, Hong Kong
B.S. '60, University of Hong Kong. Field of Concentration: Statistics. Major Adviser: Prof. R. J. Buehler.

Stephen Edwin Chase, Minneapolis
B.A. '59, B.S. '61, University of Minnesota. Field of Concentration: Art Education. Major Adviser: Prof. W. R. Hastie.

Chaur Ching Chen, Taipei,
Taiwan, Republic of China
B.Ed. '59, Taiwan Normal University. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. MacEachern.

Anthony Joseph Cichoke, Peoria,
Ill.
M.A. '64, St. Louis University. Field of Concentration: Speech Science, Pathology, and Audiology. Major Adviser: Prof. C. D. Starr.

Barbara Elizabeth Clarke, Ottawa,
Ontario, Canada
B.A. with honours '65, Carleton University. Major: Psychology. Minor: Educational Psychology. Thesis: The Use of Commonality to Decrease Individual Variability in Two Verbal Learning Paradigms. Major Adviser: Prof. M. A. Trapold.

Stanley Wayne Connell, Minne-
apolis
B.S. with distinction '65, University of Minnesota. Major: Spanish. Minor: Linguistics. Thesis: Christianity in the Poetry of Guillermo Valencia. Major Adviser: Prof. R. O. Floripe.

Thomas Clifton Correll, Minne-
apolis
B.A. '65, University of Minnesota. Major: Anthropology. Minor: Linguistics. Thesis: Position and Process in the Structure of Eskimo Verbs: An Applied Comparison of Two Theoretical Models for Grammatical Analysis. Major Adviser: Prof. E. A. Hoebel.

Jeffrey Stephen Davidow, Boston,
Mass.
B.A. '65, University of Massachusetts. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Jacques Defay, Port-au-Prince,
Haiti
B.S., '64, University of Minnesota. Field of Concentration: Economics. Major Adviser: Prof. J. S. Chipman.

Jacqueline DeLaat, Downers
Grove, Ill.
B.A. '65, University of Iowa. Major: Political Science. Minor: Sociology. Thesis: Electoral Factors and Party and Administrative Support in the United States House of Representatives. Major Adviser: Prof. F. J. Sorauf, Jr.

Rita Joy Delfiner, New York, N.Y.
B.A. '65, Mount Holyoke College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Gareth Downs, Minneapolis
B.A. '65, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Jean Ann Drawz, St. Paul
B.S. '65, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. E. T. Keach.

Merlyn Stanley Erickson, Stillwater
B.A. '61, Augustana College. Field of Concentration: Education. Major Adviser: C. H. Boeck.

Kenneth Lyman Fisher, Tacoma,
Wash.
B.S. '60, Lewis and Clark College. Field of Concentration: Psychology. Major Adviser: Prof. A. J. Hafner.

Robyn Margaret Infelt Foreman,
Idaho Falls, Idaho
B.A. '64, Idaho State University. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

John Perry Forster, Winnipeg,
Manitoba, Canada
B.A. '62, University of Manitoba. Field of Concentration: Psychology. Major Adviser: Prof. J. G. Darley.

- Evan Egbert Freund, River Edge,
N.J.
B.A. '64, Cornell University. Field of Concentration: Political Science. Major Adviser: Prof. Edwin Fogelman.
- Herbert Giesbrecht, Winnipeg,
Manitoba, Canada
B.A. '48, University of British Columbia; M.A. '56, San Francisco State College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.
- Joseph Richard Goldman, Bogota,
Colombia, South America
B.A. '65, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. R. S. Hoyt.
- Stephen Henry Goldman, New
York, N.Y.
B.A. '65, Queens College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- David Edward Herold, Minneapolis
B.S. '61, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.
- Nancy Elizabeth Hogeland, Lewistown,
Montana
B.S. '60, Montana State College. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.
- Henry Liland Horten, Jr., Lake
Norden, S.D.
B.S. '65, North Park College. Field of Concentration: Organic Chemistry. Major Adviser: Prof. W. E. Parham.
- Gladys Elsie Jackson, Washburn,
Wis.
B.A. *summa cum laude* '61, Northland College. Field of Concentration: English. Major Adviser: Prof. F. J. Montgomery.
- Judith Ann Katzung, St. Paul
B.A. '59, Macalester College. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.
- Nelson Muema Kisulu, Machakos,
Kenya
B.A. '65, University of Minnesota. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.
- Lee Denniston Kittredge, Boone,
N.C.
B.A. '60, University of North Carolina. Major: Sociology. Minor: Economics. Thesis: Computer Automation: Its Effects on Job Satisfaction, Teamwork Awareness, and Union Orientation. Major Adviser: Prof. Edward Gross.
- Erich Paul Koester, St. Paul
B.S. '63, University of Minnesota. Field of Concentration: Industrial Education. Major Adviser: Prof. Jerome Moss, Jr.
- Gloria Kortmeyer, Aberdeen, S.D.
B.A. *cum laude* '49, Huron College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.
- Harvey James Lally, Innisfail,
Australia
B.Ed. '66, University of Queensland. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.
- John A. Landsverk, Ada
B.A. '66, University of Minnesota. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.
- Penelope Demos Lawrence, Minneapolis
B.A. *magna cum laude* '60, Radcliffe College. Field of Concentration: Classics. Major Adviser: Prof. W. A. McDonald.
- Shirley Marian Lecy, Minneapolis
B.S. with distinction '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. C. Chase.
- John Alfred Lee, St. Paul
B.A. '55, M.A. '59, St. Paul Seminary. Field of Concentration: Mass Communications. Major Adviser: Prof. R. G. Lindsay.
- Peter Mark Lindberg, Blue Earth
B.S. '60, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. E. M. Birkmaier.
- Phyllis Mary Linder, Ellsworth,
Wis.
B.S. '60, Wisconsin State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. T. W. Clymer.

**John Douglas Lozier, Portland,
Ore.**

B.A. with distinction '64, Stanford, University. Major: Anthropology. Minor: Philosophy. Thesis: Perception of Politeness in Non-verbal Behavior. Major Adviser: Prof. P. J. Pelto.

**Arthur Manousos, Cambridge,
Mass.**

B.A. *cum laude* '65, Harvard College. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

David Ralph L. Matthews, St.

John's, Newfoundland, Canada
B.A. '64, Memorial University of Newfoundland. Major: Sociology. Minor: Anthropology. Thesis: Guest and Host: An Analysis of Social Change and French-English Relations in French Canada. Major Adviser: Prof. D. A. Martindale.

Dennis Quentin McInerney, Minneapolis

B.A. *magna cum laude* '59, College of St. Thomas. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

**Monique Borgialli Mindak, Nice,
France**

B.A. '65, University of Minnesota. Major: French. Minor: Comparative Literature. Thesis: Morivaux and Arlequin. Major Adviser: Prof. J. L. Waldauer.

Karlind Theodore Moller, St. Paul

B.S. '64, University of Minnesota. Major: Speech Science, Pathology, and Audiology. Minor: Psychology. Thesis: The Effect of a Response-Contingent Verbal Aversive Stimulus on the Nares Constriction Behavior of a Palatal Insufficient Subject. Major Adviser: Prof. C. D. Starr.

Roy Owen Nelsen, Minneapolis

B.A. *magna cum laude* '60, Gustavus Adolphus College. Major: Psychology. Minor: Child Psychology. Thesis: The Use of the MMPI in Predicting Types of Criminal Offenses. Major Adviser: Prof. A. J. Hafner.

Etny Clell Nequette, St. Cloud

B.S. '58, St. Cloud State College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Kenneth Wayne Northwick, Minneapolis

B.A. '54, St. Olaf College. Field of Concentration: History. Major Adviser: Prof. D. B. Rutman.

**Frederick Odigwe Nwokobia,
Ibusa, Nigeria**

B.A. '65, University of Minnesota. Field of Concentration: Industrial Relations. Major Adviser: Prof. H. G. Heneman, Jr.

Sister St. Timothy Oakes, St. Paul

B.A., '61, College of St. Catherine. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. N. Odland.

Lloyd Oliver Ollila, Pike Lake

B.S. '62, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. T. W. Clymer.

**Richard Edward Olsen, Traverse
City, Mich.**

B.A. *summa cum laude* '61, Northwestern College; B.A. '64, Macalester College. Field of Concentration: Educational Psychology. Major Adviser: Prof. Bjorn Karl- sen.

Mary A. Ost, Minneapolis

B.S. '62, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. M. A. Wilson.

**Ronald Elroy Ostman, Interna-
tional Falls**

B.A. *summa cum laude* '65, Bemidji State College. Field of Concentration: Mass Communications. Major Adviser: Prof. D. M. Gillmor.

Donald Melvin Pickering, Glencoe

B.A. '57, Augsburg College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. W. S. Howell.

Andrew Pogoler, Minneapolis

B.A. *magna cum laude* '50, B.S. '55, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. L. S. Hansen.

David Joseph Radel, Bishop, Calif.

B.A. '61, Harvard College. Major: Sociology. Minor: Psychology. Thesis: The Perception of Population Problems and Acceptable Solutions: A Study of Incipient Elites from Asia and the Middle East. Major Adviser: Prof. Reuben Hill.

**Stuart Harvey Rakoff, Manchester,
N.H.**

B.A. '65, Colby College. Major: Political Science. Minor: Sociology. Thesis: Dissonance Reduction Among U.S. Congressmen. Major Adviser: Prof. F. J. Sorauf.

- Mary Ann Holstein Rolloff, Tracy
B.S. with distinction '63, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- Priscilla Putnam Rooth, Lowell, Mass.
B.A. *cum laude* '50, Boston University. Field of Concentration: Education. Major Adviser: Prof. S. B. Kegler.
- Richard Arlen Rooth, Mandan, N.D.
B.G.E. '60, University of Omaha. Major: Anthropology. Minor: Sociology. Thesis: Social Structure in a Pentecostal Church. Major Adviser: Prof. L. P. Gerlach.
- Timothy Gerald Roufs, Winsted
B.A. '65, University of Notre Dame. Major: Anthropology. Minor: Sociology. Thesis: Social Structure and Community Development: An Analysis of a Chippewa Case. Major Adviser: Prof. F. C. Miller.
- Mary Ann Rush, Minneapolis
B.A. *cum laude* '60, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. E. W. McDiarmid.
- Ray Daniel Saxton, Jr., Minneapolis
B.S. '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. E. M. Birkmaier.
- Robert Allerton Sloane, Port Washington, N.Y.
B.A. '64, Dartmouth College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. F. M. Whiting.
- Marcella Lorraine Stark, Granton, Wis.
B.S. '63, Wisconsin State University. Field of Concentration: History. Major Adviser: Prof. T. G. Stavrou.
- Joseph Farnham Stepanek, Boulder, Colo.
B.A. '65, University of Colorado. Field of Concentration: Economics. Major Adviser: Prof. E. S. Maynes.
- Paul David Stoffer, Rochester
B.S. '62, University of Minnesota. Field of Concentration: Geography. Major Adviser: Prof. W. J. Barrett.
- Irene Sweet, Hopkins
B.A. *cum laude* '61, University of Minnesota. Major: English. Minor: Art. Thesis: The Decorum of John Crowe Ransom. Major Adviser: Prof. J. C. Levenson.
- Charles Henry Thompson, Minneapolis
B.A. '64, Oberlin College. Field of Concentration: Geography. Major Adviser: Prof. F. E. Lukermann.
- Henry Christian Timm, Wausau, Wis.
B.A. '59, Hamline University. Field of Concentration: Scandinavian. Major Adviser: Prof. Nils Hasselmo.
- Patsy Ann Tupper, Zumbrota
B.S. '61, Bemidji State College. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.
- Judith Lee Savage Ulug, Little Falls
B.A. *cum laude* '62, University of Minnesota. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.
- Charles Edwin Vaughan, South Charleston, W. Va.
B.A. '60, West Virginia University. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.
- Catherine Ann Vesley, Minneapolis
B.A. '63, University of Minnesota. Field of Concentration: Art. Major Adviser: Prof. D. T. Tselos.
- Alfred William Walck, St. Paul
B.A. '42, Wartburg College; B.S. '55, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. C. Neale.
- Eva Marie Webster, Northfield
B.S. *cum laude* '62, Mankato State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. S. B. Kegler.
- Janice Joan Williams, Minneapolis
B.S. with distinction '53, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. Edith Kromer.

Master of Arts in Public Administration

Joan Beverly Coil, St. Paul
B.A. '65, University of Minnesota. Major: Public Administration. Thesis: Personnel Allocation in a Program Oriented Government Agency: The NASA-Manned Spacecraft Center Experience. Major Adviser: Prof. G. A. Warp.

James Edwin Elsass, Chicago, Ill.
B.A. '62, Heidelberg College. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

John Finbar Jones, Dublin, Ireland
M.S.W. '66, University of Michigan. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Hagos Legesse, Addis Ababa,
Ethiopia

B.A. '66, Augsburg College. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Master of Business Administration

Kenneth Warren Hallberg, New
Ulm
B.M.E. '60, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

Douglas Paul Hedberg, Minne-
apolis
B.S. Econ. '63, University of Pennsylvania. Field of Concentration: Business Administration. Major Adviser: Prof. A. R. Solem.

Athos Joseph Monti, Minneapolis
B.Ch.E. with distinction '49, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Chander Bhushan Sharma, New
Delhi, India
B.Com. '58, Delhi Polytechnic; M. Com. '60, Allahabad University; B.S. '63, University of Agra. Field of Concentration: Business Administration. Major Adviser: Prof. E. A. Nightingale.

James Thompson Welty, Winona
B.S.B.A. '50, Northwestern University. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Master of Fine Arts

Mark Berman
B.S. '49, University of Wisconsin. Field of Concentration: Theatre Arts. Major Adviser: Prof. A. H. Ballet.

James Michael Butterworth,
Chicago, Ill.
B.A. '63, North Park College. Field of Concentration: Fine Arts. Major Adviser: Prof. W. W. Quirt.

Jack Lyle French, Seattle, Wash.
B.A., B.A. in Ed. '65, Western Washington State College. Field of Concentration: Fine Arts. Major Adviser: Prof. W. W. Quirt.

Marie Adele Geist, St. Paul
B.S. '52, University of Minnesota. Field of Concentration: Theatre Arts. Major Adviser: Prof. K. L. Graham.

Marcia Phillips Mason, Baton
Rouge, La.
B.S. '64, University of Wisconsin. Field of Concentration: Fine Arts. Major Adviser: Prof. W. D. MacKenzie.

Emily Ruth Maxson, Minneapolis
B.A. '64, Concordia College. Field of Concentration: Music. Major Adviser: Prof. Heinrich Fleischer.

Arne Roy Meier, Ogema, Wis.
B.A. '65, Wisconsin State University. Field of Concentration: Theatre Arts. Major Adviser: Prof. H. L. Adey.

Jack W. Worseldine, Fort Dodge,
Iowa
B.F.A. '63, Kansas City Art Institute. Field of Concentration: Fine Arts. Major Adviser: Prof. W. D. MacKenzie.

Master of Forestry

Stephen Lawrence Morton, Duluth
B.S. '65, University of Minnesota. Field of
Concentration: Forestry. Major Adviser:
Prof. L. C. Merriam.

Master of Science

Mathias Kojo Akposoe, Tanyigbe,
Ghana

B.S. '65, University of Minnesota. Major:
Genetics. Minor: Agricultural Plant Physi-
ology. Thesis: Genotype X Environment
Interaction in the Development of Maize
Hybrid Varieties. Major Adviser: Prof.
W. A. Compton.

Armagedon Aglugub Alabanza,
Pasuquin, Philippines

B.S.A. '63, University of the Philippines.
Major: Plant Pathology. Minor: Entomol-
ogy. Thesis: The Epidemiology of Potato
Late Blight: Measurement of Field Re-
sistance in Small Field Plots. Major Ad-
viser: Prof. C. J. Eide.

Franz Copeland Alexander, Kings-
ton, Jamaica, West Indies

Bach.Vet.Med. '56, University of Cam-
bridge. Major: Veterinary Medicine. Mi-
nor: Animal Science. Thesis: Certain Phy-
sical Characteristics and Free Amino
Acids of Bovine Semen Before and After
Seminal Vesiculectomy and Vasectomy.
Major Adviser: Prof. Raimunds Zemjanis.

Antonio Alfonso-Faus, Madrid,
Spain

A.E. '64, School of Aeronautical Engineer-
ing. Major: Physics. Minor: Mathematics.
Thesis: Rotation of the Solar Wind Plas-
ma. Major Adviser: Prof. P. J. Kellogg.

Somyhing Arromdee, Bangkok,
Thailand

B.Com. '54, Chulalongkorn University.
Field of Concentration: Business Admin-
istration. Major Adviser: Prof. J. M.
Smith.

Eugenio Barhar Bortschenko,
Concepcion, Chile

M.E. '64, University of Concepcion. Field
of Concentration: Mechanics and Mat-
terials. Major Adviser: Prof. W. H. War-
ner.

Roy Lester Carman III, Staten
Island, N.Y.

B.S. '64, Villanova University. Major:
Chemistry. Minor: Inorganic Chemistry.
Thesis: Some Electrochemical Studies at
Carbon Electrodes. Major Adviser: Prof.
H. S. Swofford, Jr.

Karen Lysbeth Ciske, Chicago, Ill.

B.S. '60, Northwestern University. Field
of Concentration: Medical-Surgical Nurs-
ing. Major Adviser: Prof. G. M. Sarosi.

Raymond Harvey Dreger, Colfax,
Wis.

B.S. '66, Wisconsin State University.
Major: Genetics. Minor: Plant Physiology.
Thesis: The Effect of Genotype on the
Photosynthetic Rate of *Glycine max* (L.).
Major Adviser: Prof. R. L. Cooper.

Richard Keith Dumas, Duluth

B.A. '62, University of Minnesota. Field
of Concentration: Mathematics. Major
Adviser: Prof. H. L. Turrittin.

Larry George Gru, St. Paul

B.A. '64, Colgate University. Field of
Concentration: Business Administration.
Major Adviser: Prof. C. A. Williams, Jr.

Richard Drew Heath, Willmar

B.App.Math. '60, University of Minne-
sota. Field of Concentration: Mathematics.
Major Adviser: Prof. W. D. Munro.

Dennis Theodore Hippen, Sioux
Falls, S.D.

B.S. *cum laude* '64, Macalester College.
Major: Business Administration. Minor:
History. Thesis: Description of the Fea-
tures of Life Insurance Companies' Agen-
cy Management Programs and Their Ef-
fect on Life Agent Termination Rates.
Major Adviser: Prof. C. A. Williams, Jr.

John Kotar, Milwaukee, Wis.

B.S. '65, Wisconsin State University. Field
of Concentration: Forestry. Major Adviser:
Prof. H. L. Hansen.

Mary Krajnik, Minneapolis

B.S. Nursing with distinction '65, University of Minnesota. Field of Concentration: Medical-Surgical Nursing. Major Adviser: Prof. G. M. Sarosi.

Kathleen Erin Kromer, Edina

B.A. '64, University of Minnesota. Field of Concentration: Botany. Major Adviser: Prof. A. J. Brook.

Norman William Lemoine,

Worcester, Mass.

B.S. '61, University of Massachusetts. Field of Concentration: Forestry. Major Adviser: Prof. F. D. Irving.

William Thomas Luckey, Minneapolis

B.A. '54, M.D. '57, Indiana University. Major: Psychiatry. Minor: Genetics. Thesis: Nailfold Capillary Patterns in Psychiatric Patients. Major Adviser: Prof. D. T. Lykken.

Charlene K. Anderson Mason,
Ames, Iowa

B.S. '63, Iowa State University. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Douglas Paul Munson, Minneapolis

B.Aero.E. with distinction '65, University of Minnesota. Field of Concentration: Mechanics and Materials. Major Adviser: Prof. W. H. Warner.

Thelma Doris Myint, Bethesda,
Md.

B.A. '58, B.L. '60, University of Rangoon. Major: Home Economics. Minor: Psychology. Thesis: Three Generational Survey of Opinions toward the Roles of the Elderly. Major Adviser: Prof. Irving Tallman.

James Milton Osborn, Raytown,
Mo.

B.S. '62, University of Missouri. Field of Concentration: Genetics. Major Adviser: Prof. R. M. Shoffner.

Vit U. Patel, Zanzibar, Tanzania

B.A. '65, Carleton College. Field of Concentration: Zoology. Major Adviser: Prof. A. B. Hooper.

Gudrun Willeke Pfendler, Dover,
N.H.

B.A. *cum laude* '64, University of New Hampshire. Major: Genetics. Minor: Biometrics. Thesis: A Comparative Study of the Mutagenic Effects in Barley of a Monofunctional (Ethyl Methanesulfonate) and a Polyfunctional (Triethylene Melamine) Alkylating Agent. Major Adviser: Prof. R. S. Caldecott.

Dale Alfred Severson, Nerstrand

B.A. '65, St. Olaf College. Major: Genetics. Minor: Botany. Thesis: Performance of Barley Hybrids at Four Seeding Rates. Major Adviser: Prof. D. C. Rasmusson.

John Raymond Snyder, Idaho
Falls, Idaho

B.S. '65, Iowa State University. Major: Genetics. Minor: Biochemistry. Thesis: Disc Electrophoresis of Soluble Root Proteins in Nodulating and Non-nodulating Isogenic Lines of Soybeans. Major Adviser: Prof. R. A. Kleese.

Gerald William Stiles, St. Paul

B.A. '64, Carleton College. Field of Concentration: Business Administration. Major Adviser: Prof. R. J. Holloway.

Robert John Swanson, Canby

B.A. '64, Bethel College. Field of Concentration: Botany. Major Adviser: Prof. W. A. Reiners.

Ronald Duane Visness, Minneapolis

B.S.Ch.E. '59, University of Colorado. Field of Concentration: Business Administration. Major Adviser: Prof. R. E. Willis.

Master of Science in Aeronautical Engineering

Skjalg Erling Haaland, Minneapolis

B.S. with high distinction '65, University of Minnesota. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. T. S. Lundgren.

Allen Edward Winkelmann,
Willmar

B.S. '65, University of Minnesota. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: Investigation of an Inflating Parachute under Finite Mass Conditions. Major Adviser: Prof. H. G. Heinrich.

Master of Science in Civil Engineering

Bahram Mozayeny, Tehran, Iran
B.S. '65, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: Propagation of Flood Waves in a Rectangular Open Channel. Major Adviser: Prof. C. S. Song.

Ronald Richard Wrucke, Blue Earth

B.S. '65, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: Unsaturated Flow in Porous Materials. Major Adviser: Prof. J. W. Hayden.

Master of Science in Dentistry

Robert Earl McKibben, Valley City, N.D.

D.D.S. '49, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: A Study of the Postnatal Growth Potential of the Mandibular Condyle as Intracerebral and Subpannicular Isologous Transplants in Mice. Major Adviser: Dr. R. J. Isaacson.

William Henry Newhouse, Jr., St. Paul

B.A., B.S. '61, D.D.S. '63, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: Some Effects of Clinical Orthodontic Treatment as Demonstrated by Cephalometric Laminagraphy. Major Adviser: Dr. R. J. Isaacson.

Master of Science in Electrical Engineering

Arlen John Bowen, Plainview

B.E.E. '65, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. L. T. Anderson.

Gerald Ian Lipsky, New York, N.Y.

B.E.E. '63, City College of New York. Field of Concentration: Electrical Engineering. Major Adviser: Prof. J. H. Park.

Nicholas Andrew Tomory, Toronto, Ontario, Canada

B.A.Sc. '65, University of Toronto. Major: Electrical Engineering. Minor: Mathematics. Thesis: An Undergraduate Hybrid Computing Facility. Major Adviser: Prof. R. P. Halverson.

Master of Science in Industrial Engineering

William Arthur Gilster, Edina

B.S. with distinction '65, University of Minnesota. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Dinesh Chand Mangalick, Agra, India

B.S.E. '64, Ranchi University. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Master of Science in Mechanical Engineering

Rodger Orval Anderson, Balaton

B.S. with distinction '65, University of Minnesota. Major: Mechanical Engineering. Minor: Physics. Thesis: Effects of Aluminum Composition and Particle Size on Burning Rates and Spontaneous Reignitions of Solid Propellants. Major Adviser: Prof. E. A. Fletcher.

Raymond Joseph Myers, Minneapolis

B.S.M.E. '60, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: The Effect of Dehumidification on the Air Side Heat Transfer Coefficient for a Finned-Tube Coil. Major Adviser: Prof. J. L. Threlkeld.

Kenneth Arnold Hanson, Duluth

B.A.E. '65, University of Minnesota. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. E. A. Fletcher.

Takehiko Saito, Tokyo, Japan
B.S. '65, Keio University. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Studies of Falling Liquid Film Flow: Measurement of Film Thickness and Velocity Profiles in Wave-Free Laminar Region. Major Adviser: Prof. W. E. Ibele.

Hsu-Chi Yeh, Taipei, Taiwan,
China
B.S. '63, National Taiwan University. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. Emil Pfender.

Master of Science in Medicine

Ernesto Arosemena, Panama City,
Panama
M.D. '60, University of Panama. Field of Concentration: Medicine (Internal). Major Adviser: Dr. Yang Wang.

Frank Ramond Brand, Pittsburgh,
Penn.
B.S. '56, Allegheny College; M.D. '60, University of Pennsylvania. Major: Medicine (Internal). Minor: Pathology. Thesis: The Papillary Muscles of the Left Ventricle in Myo-Cardial Infarction: A Clinical-Pathologic Study. Major Adviser: Dr. K. G. Berge.

Master of Science in Mineral Engineering

Steven Lee Crouch, Minneapolis
B.S. with distinction '66, University of Minnesota. Major: Mineral Engineering. Minor: Mathematics. Thesis: Development of an Instrument for the Experimental Determination of Stresses in Surface Rock. Major Adviser: Prof. Charles Fairhurst.

James Forrest Schleuder, Austin
B.Geol.Eng. '65, University of Minnesota. Field of Concentration: Mineral Engineering. Major Adviser: Prof. D. H. Yardley.

Kaarlo Olavi Hakalehto, Helsinki,
Finland
M.S. '63, Institute of Technology, Finland. Major: Mineral Engineering. Minor: Mathematics. Thesis: A Study of the Dynamic Behaviour of Rock Using the Hopkinson Split Bar Method. Major Adviser: Prof. Charles Fairhurst.

Donald Alden Wallen, Princeton
B.S. with distinction '65, University of Minnesota. Field of Concentration: Mineral Engineering. Major Adviser: Prof. D. H. Yardley.

Master of Science in Surgery

Alexander Salim Geha, Beirut,
Lebanon

B.S. '55, M.D. '59, American University of Beirut. Major: Surgery. Minor: Physiology. Thesis: Relation of Increase in Muscle Mass to Performance of the Hypertrophied Right Ventricle in the Dog. Major Adviser: Dr. J. W. Kirklin.

Master of Science in Urology

Ben Davis Massey, Jr., Pasadena,
Calif.

B.A. '54, Occidental College; M.D. '58, University of Southern California. Major: Urology. Minor: Pathology. Thesis: Malignant Lymphoma of the Testis. Major Adviser: Dr. D. C. Utz.

Master of Social Work

Alan Lawrence Gordon, Webster
Groves, Mo.

B.A. '65, Washington University. Field of
Concentration: Social Work. Major Advis-
er: Prof. C. L. Bower.

Barbara Andrews Koropchak,
Roseville

B.A. '62, University of Iowa. Field of
Concentration: Social Work. Major Ad-
viser: Prof. A. W. Oren.

Certificate of Specialist in Education

Jewell O. Lyngaas, Excelsior

B.A. '58, Luther College; M.A. '61, Uni-
versity of Minnesota. Field of Concentra-
tion: Educational Psychology. Major Ad-
viser: Prof. W. E. Dugan.

Doctor of Philosophy

Krishan Kumar Batra, Rohtak,
India

B.S. '53, Punjab University; M.S. '66, Uni-
versity of Minnesota. Major: Biochemis-
try. Minor: Genetics. Thesis: Studies on
the Biosynthesis of a B-D-Glucan Elab-
orated by *Sclerotium rolfsii* sacc. Major
Adviser: Prof. Samuel Kirkwood.

Adelaida Peinado Bellin, Rizal,
Philippines

B.S.E. '51, Centro Escolar University;
M.A. '56, University of Minnesota. Major:
Education. Minor: History and Philoso-
phy of Education. Thesis: Creative Think-
ing Ability and Its Relationship to Read-
ing Comprehension and Intelligence of
Fourth Grade Pupils. Major Adviser:
Prof. G. L. Bond.

Patrick Joseph Bird, Astoria, Long
Island, N.Y.

B.S. '61, M.S. '62, University of Illinois.
Major: Education. Minor: Educational Ad-
ministration. Thesis: An Investigation of
the Effects of an Individually Geared Ex-
ercise Program on Physical Fitness and
Cardio-Respiratory Efficiency of Adult
Men. Major Adviser: Prof. R. J. Donnelly.

Jared Allen Brown, San Francisco,
Calif.

B.F.A. '60, Ithaca College; M.A. '62, San
Francisco State College. Major: Speech,
Communication, and Theatre Arts. Minor:
English. Thesis: The Theatrical Devel-
opment of Social Themes in Selected
Plays by Elmer Rice. Major Adviser: Prof.
R. D. Moulton.

Wilton Herbert Bunch, College
Place, Wash.

B.A. '56, Walla Walla College; M.D. '60,
Loma Linda University. Major: Physi-
ology. Minor: Biostatistics. Thesis: The
Permeability of Non-Electrolytes in the
Barnacle Muscle Cell. Major Adviser:
Prof. Charles Edwards.

John Gregory Carlson, Minne-
apolis

B.A. *summa cum laude* '63, University of
Minnesota. Major: Psychology. Minor:
Supporting Program. Thesis: Effects of
Consummatory and Instrumental Re-
sponse Blocking. Major Adviser: Prof.
W. A. Russell.

Jose Joaquin Castano, Antioquia,
Colombia

Ing.Agr. '48, Universidad Nal. de Colomb-
bia; M.S. '55, University of Minnesota.
Major: Plant Pathology. Minor: Botany.
Thesis: The Role of Storage Conditions,
Chemical Treatments, and Storage Fungi
on Maize Seedling Blight Caused by *Gib-
berella zeae*. Major Adviser: Prof. Thor
Kommedahl.

Lawrence William Chakrin,
Brooklyn, N.Y.

B.Sc. *cum laude* '62, Brooklyn College of
Pharmacy. Major: Pharmacology. Minor:
Biochemistry. Thesis: The Synthesis and
Metabolism of Labeled Acetylcholine by
Brain. Major Adviser: Dr. F. E. Shideman.

Li-pen Chao, Hunan, China
B.S. '57, Taiwan Provincial College of Agriculture; M.S. '64, University of Minnesota. Major: Biochemistry. Minor: Organic Chemistry. Thesis: Studies on the Active Site of the SH-Protease, Bromelain. Major Adviser: Prof. I. E. Liener.

Tu Chen, I-Lan, Formosa, China
B.S. '58, Cheng Kung University; M.S. '64, University of Minnesota. Major: Metallurgical Engineering. Minor: Physical Chemistry. Thesis: Effect of Local Atomic Order on Magnetic Properties of Copper-Palladium Alloys. Major Adviser: Prof. J. M. Sivertsen.

John Louis Cowan, St. Paul
B.A. *cum laude* '54, DePauw University. Major: Psychology. Minor: Educational Psychology. Thesis: Student Freedom and the College Environment: A Multivariate Analysis. Major Adviser: Prof. R. F. Berdie.

Leslie Henry Cronau, Jr., Davenport, Iowa
B.A. '57, St. Ambrose College; M.D. '61, St. Louis University. Major: Physiology. Minor: Supporting Program. Thesis: Influence of Contraction on Sugar Transport in Isolated, Perfused Diaphragm. Major Adviser: Dr. H. M. Cavert.

Roger William Cummins, Minneapolis
B.A. '60, Brown University; M.A. '62, University of Minnesota. Major: English. Minor: History. Thesis: The Second Eden: Charles Lane and American Transcendentalism. Major Adviser: Prof. C. H. Foster.

Burton Norman Danet, Coon Rapids
B.A. '60, Yale University; M.A. '64, University of Minnesota. Major: Psychology. Minor: Neuropsychiatry. Thesis: Self-Confrontation by Videotape in Group Psychotherapy. Major Adviser: Prof. R. D. Wirt.

Coralie Elizabeth Dietrich, Orange, Texas
B.A. '63, Catholic University; M.A. '66, University of Minnesota. Major: Educational Psychology. Minor: Child Psychology. Thesis: The Differential Effects of Task and Reinforcement Variables on the Performance of Emotionally Disturbed Children. Major Adviser: Prof. B. E. Balow.

Patrick William Dodge, Montgomery
B.S. '59, University of Minnesota. Major: Pharmacology. Minor: Biochemistry. Thesis: The Effects of Morphine and Other Narcotic Agents on Cerebral Glycolytic Intermediates and Enzymes of Rats *In Vitro* and *In Vivo*. Major Adviser: Prof. A. E. Takemori.

Donald Graham Fox, Rockville, Md.
B.E. '59, M.E. '60, Yale University; M.S. '64, University of Minnesota. Major: Environmental Health. Minor: Biostatistics. Thesis: An Empirical Study of the Application of a Horizontal Uni-Directional Airflow System for a Hospital Operating Room. Major Adviser: Prof. R. G. Bond.

Raymond Joseph Gagne, Meriden, Conn.
B.A. '61, University of Connecticut; M.S. '63, Iowa State University. Major: Entomology. Minor: Supporting Program. Thesis: A Taxonomic Revision of the Genus *Asteromyia* (Diptera: Cecidomyiidae). Major Adviser: Prof. E. F. Cook.

Eugene Oliver Gerard, St. Louis, Mo.
B.A. *cum laude* '54, M.A. '58, St. Louis University. Major: Psychology. Minor: Educational Psychology. Thesis: A Study of the Parkinson Effect of Excess Performance Time. Major Adviser: Prof. Norman Miller.

James Arthur Goodman, Trenton, N.J.
B.A. '56, Morehouse College; M.S.W. '58, Atlanta University. Major: Social Work. Minor: Sociology. Thesis: A Study of the Use of Opportunity for School Integration as Related to Deprivation and Patterns of Alienation in Three Groups of Negro Families. Major Adviser: Prof. L. N. Scott.

George Bearnard Graen, Minneapolis
B.A. *cum laude* '61, M.A. '63, University of Minnesota. Major: Psychology. Minor: Supporting Program. Thesis: Work Motivation: The Behavioral Effects of Job-Content and Job-Context Factors in an Employment Situation. Major Adviser: Prof. M. D. Dunnette.

Demos Panayi Hadjiyanis,
Syngrassis, Cyprus

B.S. '53, Oklahoma State University; M.S. '54, Ohio University. Major: Economics. Minor: Political Science. Thesis: The Demand for International Reserves: A Cross-Section Analysis. Major Adviser: Prof. Edward Coen.

Larry Allen Harris, Minneapolis

B.S. with honors '62, St. Cloud State College; M.A. '65, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Study of the Rate of Acquisition and Retention of Interest-Loaded Words by Low Socio-Economic Kindergarten Children. Major Adviser: Prof. T. W. Clymer.

Gene Willard Hemp, Minneapolis

B.S. with honors '61, B.S.B. with honors '62, M.S. '63, University of Minnesota. Major: Mechanics and Materials. Minor: Aerodynamics. Thesis: A Study of Parametrically Excited Dynamical Systems. Major Adviser: Prof. P. R. Sethna.

Mary Y. Tatum Howard, Minneapolis

B.A. '48, West Virginia State College; M.A. '52, University of Kansas City. Major: Psychology. Minor: Educational Psychology. Thesis: The Meaning of Potency of Verbal Reinforcers for Psychiatric Patients. Major Adviser: Prof. R. F. Berdie.

Sherwood Burtrum Idso,
Thief River Falls

B.Phys. with distinction '64, M.S. '66, University of Minnesota. Major: Soil Science. Minors: Meteorology & Mechanical Engineering. Thesis: The Photosynthetic Response of Plants to Their Environment: A Holocoenotic Method of Analysis. Major Adviser: Prof. D. G. Baker.

Wayne John Kirk, Winona

B.S. '56, LaCrosse College; M.Ed. '59, University of Illinois. Major: Education. Minor: Educational Psychology. Thesis: The Use of Praise and Reproof by Elementary School Men Student Teachers. Major Adviser: Prof. J. R. Curtin.

Kenneth Paul Klatt, St. Paul

B.S. '63, Ohio State University. Major: Biochemistry. Minor: Microbiology. Thesis: The Metabolism of Tartaric Acid by *Penicillium charlesii*, G. Smith. Major Adviser: Prof. J. E. Gander.

Raymond Louis Koch, Mankato

B.A. '59, Northwestern College; M.A. '62, University of Minnesota. Major: History. Minor: Political Science. Thesis: The Development of Public Relief Programs in Minnesota, 1929-1941. Major Adviser: Prof. C. A. Chambers.

Kjeld Bagger Laursen, Juelsminde,
Denmark

M.A. '65, University of Minnesota. Major: Mathematics. Minor: Philosophy. Thesis: Tensor Products of Banach-*-algebras. Major Adviser: Prof. J. Gil De Lamadrid.

Anne Warrick Lommel, West
Lafayette, Ind.

B.S. '52, Purdue University; M.S. '57, University of Minnesota. Major: History. Minor: Political Science. Thesis: The United States Efforts to Foster Peace and Stability in Central America, 1923-1954. Major Adviser: Prof. W. D. Beatty.

Kraemer Delanoy Luks, French-
town, N.J.

B.S.E. *magna cum laude* '63, Princeton University. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Molecular Studies of Reversible and Irreversible Phenomena in Simple Fluids. Major Adviser: Prof. H. T. Davis.

Dario Menanteau-Horta, Santiago,
Chile

M.A. '63, University of New Hampshire. Major: Sociology. Minor: Mass Communications. Thesis: Diffusion and Adoption of Agricultural Techniques Among Chilean Farmers: A Sociological Study on the Processes of Communication and Acceptance of Innovations as Factors Related to Social Change and Agricultural Development in Chile. Major Adviser: Prof. G. A. Donohue.

Gerald John Middents, Hopkins

B.S.C. with highest distinction '54, University of Iowa; M.A. '65, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: The Relationship of Creativity and Anxiety. Major Adviser: Prof. C. A. Parker.

Harrison Leon Morton, St. Paul

B.S. '61, M.S. '64, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: The Germination of *Polyporus dryophilus* Basidiospores. Major Adviser: Prof. D. W. French.

Clarence Walfred Nelson, Minneapolis

B.B.A. '48, M.A. '49, M.S. '59, University of Minnesota. Major: Economics. Minors: Geology and Mineral Engineering. Thesis: Some Aspects of Investment in Iron Mining Facilities in the Lake Superior District. Major Adviser: Prof. J. G. Turnbull.

Clarence Ronald Olauson, Mankato

B.S. '59, Brigham Young University; M.F.A. '62, University of Utah. Major: Speech, Communication, and Theatre Arts. Minor: Comparative Literature. Thesis: Brecht and Ionesco: A Study in Parallel Divergence. Major Adviser: Prof. A. H. Ballet.

Helen Ruth Meister Parker, Urbana, Ill.

B.S. '56, M.S. '57, Ohio State University. Major: Physical Chemistry. Minor: Physiological Chemistry. Thesis: The Effect of pH, Acylation, Substrates, and Inhibitors on the Optical Rotatory Dispersion and Ultraviolet Absorption of α -Chymotrypsin in State A. Major Adviser: Prof. R. W. Lumry.

Wilmar Lawrence Salo, Iron

B.S. '59, University of Minnesota; M.S. '62, University of Wisconsin. Major: Biochemistry. Minor: Organic Chemistry. Thesis: Biochemical Reactions of Nucleoside Diphosphate Sugars. Major Adviser: Prof. Samuel Kirkwood.

Richard Leonard Sandor, New York, N.Y.

B.A. '62, Brooklyn College. Major: Economics. Minors: Mathematics and Statistics. Thesis: Size of Firm, Economics of Scale in Research and Development and the Use of Patented Inventions. Major Adviser: Prof. J. Schmookler.

William T. Sher, Minneapolis

B.A. '46, National Yunnan University; M.A. '61, University of Minnesota. Major: Economics. Minor: Statistics. Thesis: The Burden on Capital and the Shift of the Corporation Income Tax. Major Adviser: Prof. O. H. Brownlee.

Donald Blair Siniff, Minneapolis

B.S. '57, M.S. '58, Michigan State University. Major: Fisheries and Wildlife. Minor: Statistics. Thesis: A Simulation Model of Animal Movement Patterns. Major Adviser: Prof. J. R. Tester.

Irwin Kenneth Smemo, Moorhead

B.S. '57, Wisconsin State University; M.A. '59, University of Minnesota. Major: History. Minor: Supporting Program. Thesis: Progressive Judge: The Public Career of Charles Fremont Amidon. Major Adviser: Prof. P. L. Murphy.

Wichit Srisa-an, Dhonburi, Thailand

B.A. '59, B.Ed. '61, Chulalongkorn University; M.A. '63, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: A Macroscopic Analysis of Role Dimensions of Curriculum Directors: Perceptions and Expectations of Superintendents, Curriculum Directors, and Principals. Major Adviser: Prof. G. R. Firth.

David LaVerne Strohmeier, Dubuque, Iowa

B.S. '61, M.S. '63, Iowa State University. Major: Fisheries and Wildlife. Minor: Statistics. Thesis: The Biology of Renesting by the Bluewinged Teal (*Anas discors*) in Northwest Iowa. Major Adviser: Prof. J. R. Tester.

James Ronald Taylor, Burlington, Iowa

B.B.A. '60, University of Iowa; M.S. '64, University of Minnesota. Major: Business Administration. Minor: Psychology. Thesis: An Empirical Evaluation of Coombs' Unfolding Theory. Major Adviser: Prof. R. J. Holloway.

Lee Carl Wensel, Sharon, Penn.

B.S. '62, Pennsylvania State University; M.S. '64, Purdue University. Major: Forestry. Minor: Statistics. Thesis: A Statistical Procedure for Combining Different Types of Sampling Units in a Forest Inventory. Major Adviser: Prof. H. H. John.

Lloyd Raymond White, Minneapolis

B.S. '59, University of Minnesota; M.S. '62, Columbia University. Major: Chemical Engineering. Minor: Mathematics. Thesis: Thermal Conductivity of Molten Salts. Major Adviser: Prof. H. T. Davis.

John Nelson Whiton, Minneapolis

B.A. '58, M.A. '59, University of Minnesota. Major: German. Minors: Philology and History. Thesis: The Problem of Marriage in the Works of Arthur Schnitzler. Major Adviser: Prof. Herman Ramras.

Stephen Winokur, New York, N.Y.
B.A. '62, City College of New York. Major:
Psychology. Minor: Supporting Program.
Thesis: Effects of Noncontingent Feedings
Upon Operant Levels of Bar-Pressing in
the White Rat. Major Adviser: Prof.
Kenneth MacCorquodale.

Roger Marvin Zimmerman,
Mankato
B.S. '56, Wisconsin State College; M.A.
'59, University of Minnesota. Major: Edu-
cation. Minor: Educational Administra-
tion. Thesis: An Analysis of the Treat-
ment of Famous Individuals in Six Ele-
mentary School Social Studies Textbook
Series. Major Advisers: Prof. J. R. Curtin
and Prof. V. R. Rogers.

Doctor of Philosophy in Surgery

Picard J. Marceau, Quebec City,
Canada

B.A. '53, Jesuits College; M.D. '58, Laval
University. Major: Surgery. Minor: Pa-
thology. Thesis: Renal Autoplastic, Allo-
geneic and Xenogeneic Ex-vivo Perfu-
sions. Major Adviser: Dr. G. A. Hallen-
beck.

Academic Costume

On appropriate occasions, anyone with a college or university degree may wear academic costume consisting of a gown, a hood, and a cap. By observing the kind of academic costume a person wears, it is possible to know the name of the University from which he graduated, as well as the degree which he holds, and, in some cases, the field of his major interest as well.

The long pointed sleeve of the gown indicates a Bachelor's degree, the long closed sleeve with a slit for the arm indicates a Master's degree, and the open sleeve marks a Doctor's degree. Bachelors' and Masters' gowns are black in color and are without any trimming. Generally, the Doctor's gown is black also, but some universities, particularly those abroad, prescribe such festive colors as red, crimson, or green. All Doctors' gowns have velvet trimming on the front facings and crossbars on the sleeves. This trimming may be black, or it may match the color of the edging of the hood and thus identify the profession or field of major interest of the wearer.

At a commencement it is quite proper to wear the gown — but not the hood — appropriate for the degree *which is to be received*. The only hoods worn at commencements are for degrees which have already been received. Thus only those students and faculty members who have already received college or university degrees wear hoods. Anyone who has a degree from the University of Minnesota may wear a hood decorated with a maroon chevron on gold background. The length and shape of the hood indicates whether the wearer has earned a Bachelor's, a Master's, or a Doctor's degree. The velvet edging on the hood indicates the field in which the degree was granted. For example, dark blue signifies Philosophy; light blue, Education; green, Medicine; lilac, Dentistry; orange, Engineering; russet, Forestry; drab, Business; olive green, Pharmacy; purple, Law; gray, Veterinary Medicine; golden yellow, Science; and white, Arts and Letters.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidates are honor students.

Caps, generally mortarboards with tassels, have significance, too. The Doctor's tassel may be black or gold. Masters' and Bachelors' tassels are black; but at University of Minnesota commencements — upon the authority of the University Senate Committee on Functions — candidates for the Bachelors' and Associates' degrees wear tassels which indicate their schools or colleges by color as follows:

(In the order of march)

General Collegecrimson and white
College of Liberal Artswhite

University College	old gold and white
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize
School of Business Administration	drab
College of Education	light blue
College of Medical Sciences	green
Graduate School	black

But once the Bachelor's degree has been received and the commencement is over, the graduate, should he wear academic costume again, will wear only the black tassel as does the holder of the Master's degree. Similarly, he will not in the future wear the shoulder insignia as a part of his academic dress even if he is an honor graduate. All graduates of the University should remember that the academic dress at this University conforms to the rules of the Intercollegiate Bureau of Academic Costume. This means that Minnesota academic costume may be easily secured anywhere in the world. And it is always worn proudly and with distinction — for ours is a great University.

President's Reception

JULY, 1967

● The members of the graduating class, their families and friends, are invited to attend the President's Reception immediately after the commencement exercises. The Reception will be held on the Mall in front of Northrop Memorial Auditorium. In case of rain, the Main Ballroom of Coffman Memorial Union will be used. Refreshments will be served.

● Those in the receiving line will be Vice President and Mrs. Shepherd; Dr. and Mrs. Nickerson; Dr. and Mrs. Thompson; Dr. Haislet; Mr. William C. Newell, President of the Minnesota Student Association; and Mr. Gregory H. Ritter, President of the Coffman Union Board of Governors.

● During the Reception, Mrs. Whipkey will play a Carillon Concert.

● Assisting in the Reception are students and staff members, including those from the Senate Committee on University Functions, the Army ROTC, Gamma Sigma Sigma-Social Service Sorority, and the Department of University Relations.



UNIVERSITY OF MINNESOTA

August Commencement, 1967

FRIDAY AFTERNOON, AUGUST 18, 4:00 P.M.

NORTHROP MEMORIAL AUDITORIUM

The Board of Regents

The Honorable Lester A. Malkerson, Minneapolis
First Vice President and Chairman

The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior
Second Vice President

The Honorable Elmer L. Andersen, St. Paul

The Honorable Daniel C. Gainey, Owatonna

The Honorable Albert V. Hartl, Fergus Falls

The Honorable Herb L. Huffington, M.D., Waterville

The Honorable Fred J. Hughes, St. Cloud

The Honorable Charles W. Mayo, M.D., Rochester

The Honorable William K. Montague, Duluth

The Honorable George W. Rauenhorst, Olivia

The Honorable Otto A. Silha, Edina

The Honorable Herman F. Skyberg, Fisher

Dr. O. Meredith Wilson, President

Dr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

SMOKING AND USE OF CAMERAS AND RECORDERS—It is requested, by action of the Board of Regents, that in Northrop Memorial Auditorium smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms. The use of cameras or tape recorders in the auditorium by members of the audience is prohibited.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and sixteenth birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the young people of today to become the leaders of tomorrow. Each year our graduates leave our campuses to add new skills and knowledge to the existing resources of our State. They have been trained here as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, farmers, businessmen — to name only some of the careers for which preparation is offered. Since its founding, the University has awarded more than 198,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to nearly 44,000 students annually on its Twin Cities, Duluth, Morris, Crookston, and Rochester campuses, the University offers, through its Schools of Agriculture and its General Extension Division, specialized training designed to assist those who wish to study on a part-time basis. It offers further educational opportunity throughout the State by providing county agents, home agents, 4-H club agents, and recreation and health consultants who give effective instruction to residents of the State in their own homes.

In the diversified research laboratories on the University's six campuses, at the several agricultural experiment stations scattered throughout the State, at the Rosemount Research Center, the Cloquet Forest Research Center, the Cedar Creek Natural History Area near Bethel, the Fruit Breeding Farm and the Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, the Hormel Institute at Austin, and at University Hospitals, University scientists are working on countless research experiments of vital importance to the future health and welfare of us all. These projects, of which only a few are mentioned here, are concerned with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and development of new varieties of grains, fruits, and flowers.

THE UNIVERSITY is acknowledged to be the cultural hub of the Northwest. It is the home of the University Artists Course, Radio Station KUOM, the University of Minnesota Television Hour, the University Theatre, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings renowned artists and lecturers to more than a million and a half persons living in the area it serves.

The people of Minnesota are proud of their University, not only because it is one of the leading state universities in the nation, but also because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in the University is a dynamic thing and expresses itself in many ways. Contributions from them have made it possible for the Variety Club Heart Hospital and the great Mayo Memorial Build-

ing to be constructed. Through the American Legion and its auxiliary posts all over the State, thousands of friends have made generous donations to provide an endowed research professorship in heart disease. Generous contributions have built the Masonic Memorial Hospital, the Veterans of Foreign Wars Cancer Research Center, and Diehl Hall (which houses the bio-medical library and additional medical research facilities).

Equally generous have been the contributions made by corporations, associations, foundations, trade unions, clubs, and individuals, whose tireless efforts have made hundreds of scholarships and fellowships available to promising students each year. Chiefly because of financial difficulties, only one-half of the State's high school graduates of marked ability enter any college or university. Friends and supporters of the University, recognizing the need to alleviate this situation, continuously try to increase the number of scholarships and the amount of money available for scholarship assistance.

As it meets the needs of present students, the University must also make plans for those of the future. The 43,997 students who enrolled at the University at the beginning of the 1966-1967 academic year represented nearly one-half of Minnesota's college-level enrollments. They underline the fact that there are limits to the University's physical capacity. Future enrollments must be adjusted to those limits. In the fall of 1965, for the first time in its history, the University instituted an admissions policy based on controlled growth of total enrollment. This change in admissions requirements held the 1966-1967 enrollment to about 44,000 students. It reflects the University's need for more teachers, more land, more buildings. And it makes plain the University's determination to maintain the educational quality that has made it one of America's leading educational institutions.

THE 1967 LEGISLATURE granted the University \$110,893,275 for general operations and maintenance during the 1967-1969 biennium. In addition, the University received \$9,401,100 for University Hospitals; \$9,883,460 for special appropriations, including special extension and research activities; \$22,739,346 for new buildings, land, and the rehabilitation of existing buildings; and \$955,000 for the University of Minnesota Technical Institute, Crookston.

Each year the University publishes and widely circulates a summary financial statement, which is available to anyone upon request, as is a much more comprehensive and complete statement for those who wish to make a special study of the University's income and expenditures.

The summary financial statement of 1965-1966 showed that the University's current income and expenditures amounted to \$150,738,945.58. Of the total received, \$15,647,291.27 came from student tuition and fees; \$20,023,300.63 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theatre receipts and the sale of bulletins and agricultural products; \$1,673,200.41 from intercollegiate athletics; \$21,659,432.05 from such services as the dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, and the Health Service; and \$7,937,650.10 from corporations, foundations, individuals, and endowment income for instruction, research, prizes, scholarships, and the care of the sick. Also \$34,462,190.42 came from the federal government for instruction, research, and agricultural

extension. The State provided \$49,335,880.70 or 32.7 percent of the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$13,814,966.

COMMENCEMENT marks only the conclusion of the individual's academic life at the University. As a graduate, he contributes to its history and participates in its aspirations. Alumni are urged to continue their affiliation with the University through the Minnesota Alumni Association and its college groups. Also, support is urged for the University of Minnesota Alumni Fund, administered in the Alumni Office in Coffman Memorial Union, and the various Special Project Programs, including scholarships, medical and technological research, and college service funds, which are administered by the Department of University Relations, Morrill Hall.

Alumni, their families, and their friends are always welcome here. The University hopes they will return frequently to visit the campus and to renew cherished ties.

Order of Events

ASSEMBLING OF THE AUDIENCE: As degree candidates and their friends and families reach the Minneapolis Campus of the University this afternoon from 3:15 to 3:45 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mrs. James Whipkey, Graduate Student, University Carillonneur. Admission to the August Commencement exercises is by guest card only. Guests will be seated as they arrive and will remain seated until the colors are presented.

PRELUDE CONCERT: From 3:30 to 4:00 p.m., Professor of Music and University Organist Heinrich Fleischer, Ph.D., will play.

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 4:00 p.m., Professor Warren S. Loud, Ph.D., Institute of Technology, Faculty Marshal, will carry the Mace into the Auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal Loud, as Mace-bearer, will present the Mace at the center of the stage. When all those marching have taken their seats, he will put the Mace in its cradle to signal the beginning of the ceremony. During the procession, Professor Fleischer will play:

Trumpet Voluntary - - - - - Purcell

ON THE STAGE: The curtain will be opened when the Mace-bearer enters. Seated in the first row, from left to right, are Marshal Loud; Professor Warren G. Meyer, M.S., College of Education, Marshal; Recorder W. Donald Beatty, Ph.D., Admissions and Records; The Reverend Douglas A. Pitts, B.A., Chaplain to Episcopal students and staff members on the St. Paul Campus; Major Herbert M. Meininger, U.S.A., Assistant Professor of Military Science; Professor Louise A. Stedman, Ph.D., College of Agriculture, Forestry, and Home Economics; Associate Dean Nicholas A. Glaskowsky, Ph.D., School of Business Administration; Dean Alfred L. Vaughan, Ph.D., General College, and Chairman of University College; Mr. Waldo E. Hardell, B.S., Immediate Past President of the Minnesota Alumni Association; The Honorable Elmer L. Andersen, Regent of the University of Minnesota; Dean Willard L. Thompson, Ph.D., Summer Session; President Howard A. Bellows, Ph.D., Southwest Minnesota State College; Vice President William G. Shepherd, Ph.D., Academic Administration; Assistant Vice President Paul H. Cashman, Ph.D., Educational Relationships and Development; The Honorable George W. Rauenhorst, Regent of the University of Minnesota; Assistant Dean Millard L. Gieske, Ph.D., Graduate School; The Honorable Herb L. Huffington, Regent of the University of Minnesota; Dean Robert B. Howard, M.D., College of Medical Sciences; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Associate Dean Stanley B. Kegler, Ph.D., College of Education; Major John C. Gill, U.S.A.F., Assistant Professor of Aerospace Studies; Associate

Dean Roger B. Page, Ph.D., College of Liberal Arts; Mr. George C. Kroenlein, Instructor in Voice; Professor W. Edwin Emery, Jr., Ph.D., College of Liberal Arts, Marshal; Professor Fredric R. Steinhauser, Ph.D., General College, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University Army, Navy, and Air Force ROTC Cadets and Midshipmen, enters the Auditorium, the audience will rise and will remain standing for the National Anthem and for the Invocation.

THE NATIONAL ANTHEM: The entire audience and Mr. Kroenlein.

O, say! can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
O, say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

INVOCATION: Father Pitts.

SPEAKING FOR THE UNIVERSITY: Vice President Shepherd.

COMMENCEMENT ADDRESS: Dr. Howard A. Bellows, "Education and Change."

CONFERRING OF ROTC CERTIFICATES: Assistant Vice President Cashman will introduce Major Meininger and Major Gill, who will present the candidates for commissions in their respective services. Certificates of ROTC completion will be presented by Vice President Shepherd.

PRESENTATION OF CANDIDATES: Assistant Vice President Cashman will introduce the deans of the several colleges or their representatives who will present to Vice President Shepherd the candidates for certificates and degrees. They are, in order of their introduction: Dean Vaughan for the General College; Associate Dean Page for the College of Liberal Arts; Dean Vaughan for the University College; Acting Dean Verbrugge for the Institute of Technology; Professor Stedman for the College of Agriculture, Forestry, and Home Economics; Associate Dean Kegler for the College of Education; Associate Dean Glaskowsky for the School of Business Administration; Dean Howard for the College of Medical Sciences; Assistant Dean Gieske for the Graduate School.

CONFERRING OF DEGREES: Vice President Shepherd will confer certificates and degrees upon the members of this graduating class.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Mr. Hardell.

PRESENTATION OF DIPLOMAS: With Dean Thompson presiding, members of the August graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Vice President Shepherd will confer the degrees upon the candidates. As each new Doctor of Philosophy is invested with his academic hood, he will be presented individually by Assistant Dean Gieske.

HAIL! MINNESOTA: The University's Alma Mater song, sung by the audience and Mr. Kroenlein.

Minnesota, hail to thee!	Like the stream that bends to sea,
Hail to thee, our college dear!	Like the pine that seeks the blue,
Thy light shall ever be	Minnesota, still for thee
A beacon bright and clear;	Thy sons are strong and true;
Thy sons and daughters true	From thy woods and waters fair,
Will proclaim thee near and far;	From thy prairies waving far,
They will guard thy fame	At thy call they throng
And adore thy name;	With their shout and song,
Thou shalt be their Northern Star.	Hailing thee their Northern Star.

POSTLUDE: Professor Fleischer.

THE AUDIENCE is requested to remain seated until those in academic costume have left the Auditorium.

(Immediately following these exercises, all members of the audience are invited to attend the President's Reception, which is described on the back cover of this program.)

Candidates for Commissions

Subject to the completion of all curriculum requirements at the close of the second term of the Summer Session, commissions will be presented to those listed below and to such others as may meet the requirements for the Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Army Intelligence and Security

Marland J. Burckhardt, Russell

Second Lieutenant, Artillery

Edward A. Hiner, Minneapolis

Second Lieutenant, Infantry

Michael C. Fletcher, Franklin Park, Ill.

Second Lieutenant, Transportation Corps

David E. Haataja, Frazee

Lawrence W. Johnson, St. Paul

DEPARTMENT OF AEROSPACE STUDIES

Second Lieutenant, USAF Reserve

Peter D. Abler, St. Paul

Charles A. Farrell, Jr., St. Paul

Alan J. Folkestad, Wayzata

Vernon E. Kleinsasser, St. Paul

Jay W. Patrick, Minneapolis

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of the second term of the Summer Session, degrees will be conferred as indicated on those listed below and upon such others as may meet the graduation requirements.

GENERAL COLLEGE

Associate in Arts

Dale La Verne Bailey, Minneapolis	Francis Edward Otto, Lester Prairie
Yvonne Louise Baum, Blue Earth	Paula Marie Pemble, Richfield
James Edward Chapman, Minneapolis	Robert Arthur Penney, Edina
Thomas Nicholson Crouch, Minneapolis	Carol Margrethe Shanley, St. Paul
James Addison Davis, Rosemount	Joanne Catherine Shirek, Minneapolis
Robert Steven Guzman, St. Paul	Regina Jane Slama, Winnebago
Bonnie Rae Johnson, Minneapolis	Duane Edmund Spiess, Jr., St. Paul
Harold Alan Kaplan, St. Paul	Sharon Lynn Sullivan, Minneapolis
Gerard David Larson, Minneapolis	Thomas Jonell Sweningson, St. Louis Park
Thomas Robert Mahood, Stillwater	Bonnie Louise Theis, Minneapolis
Pamela Ann Main, Richfield	Sandra Bell Urban, Minneapolis
Lindsay Ernest McCabe, Minneapolis	Joy Ellen White, Minneapolis
Nadette Faye Munson, West St. Paul	Evelyn Louise Willis, Minneapolis
Michael James Olson, Hallock	Jack Gregory Zouber, Minneapolis

COLLEGE OF LIBERAL ARTS

Associate in Liberal Arts

Marsha Ann Blomquist, Owatonna	James Russell Hill, Minneapolis
Frederick Edward Boringer, Middleburgh, N.Y.	Marlene Kay Shears, Richfield

Bachelor of Arts

Honors citations are provisional and will not become final until all requirements are met for the level indicated

Virginia Louise Aalund, Minneapolis, CUM LAUDE, Mathematics	Eugenie Marie Smith Alger, St. Louis Park, SUMMA CUM LAUDE, English
Peter Donald Ablor, St. Paul	Leigh Marland Anderson, Minneapolis

Roger Joseph Anderson, Minneapolis
 John Robert Armstrong, Mound
 James Evans Bacon, St. Paul
 Rosemarie Bendel, Minneapolis
 Bernard Leslie Benson, Cresco, Iowa
 Fred Paul Berndt, Jr., Minneapolis
 Barbara Jean Zoubek Best, St. Paul,
 SUMMA CUM LAUDE, English
 Joel Gordon Best, St. Paul
 Linda Gail Bitman, Philadelphia, Pa.
 Barry Louis Blomquist, Onamia
 Virginia Boringer, St. Paul
 Richard Leo Brandt, Minneapolis
 Donald Edgar Braum, Richfield
 Marland Jerome Burckhardt, Russell
 Susan Marie Burton, Minneapolis
 Christine Marie Callender, St. Paul
 Donna Mae Campbell, St. Cloud
 Lucyann Rose Carlone, St. Paul,
 CUM LAUDE, Italian
 Susan Gay Van Valkenburg Carlson,
 A.A., Minneapolis
 Rachel Aharoni Carmi, Israel
 Matthew Barr Carp, Minneapolis
 Richard James Caughey, Minneapolis
 Peter John Clift, Minneapolis
 Eleanore Ann Cole, Moorhead
 Judith Ann Christoph Comstock,
 Minneapolis
 Mary Sue Comstock, St. Paul
 Dianne Lynn Besikof Cooperman,
 Minneapolis
 John Rodman Cornell, Two Harbors
 Brian John Coyle, Moorhead
 Harry Michael Crawford, Waseca
 Colleen Kaye Tighe Davidson,
 Redwood Falls
 Ellen Louise DeHaven, Minneapolis
 Susan Elaine Embretson DeLaHunt,
 Minneapolis, *SUMMA CUM LAUDE,*
 Psychology
 Ayla Emine Sevil Delin, Ankara,
 Turkey
 Larry Wilson Dennison, South St.
 Paul
 Mary Theresa Downing, New
 Brighton
 Grant Willis Ebersole, Northfield
 Russell Leslie Edhlund, St. Paul
 Julie Ann Ellingson, Bemidji
 Gerald Arthur Ericksen, St. Paul
 Bradley Dale Eshleman, Fulda
 Curt Edward Evert, St. Paul
 Fred Lenox Farrand, Stillwater
 Milton Jerome Fick, Lake City
 Patrick Francis Figge, Minneapolis
 Dennis Lee Flynn, Hibbing
 Lorraine Grace Reimer Fobes,
 Minneapolis
 Alan James Folkestad, Wayzata
 James Alfred Forrette, St. Paul,
 SUMMA CUM LAUDE, Sociology
 Nancy Louise Fortin, Hamel
 Anita Renee Foss, Minneapolis
 John Edward Foss, Spring Grove
 Lynne Goughler, Minneapolis
 John James Grant, Robbinsdale
 Allen Cameron Gray, St. Paul
 Dalia Grayevsky, Tel-Aviv, Israel
 Georgiana Mary Griggs, A.A., St. Paul
 Robert Irwin Grouse, St. Louis Park
 Robert Lee Gulla, Virginia
 John Daniel Gundersen, Crystal
 David Ernest Haataja, Frazee
 Eugene Carroll Halverson, Minne-
 apolis
 Steven Roy Hansen, St. Paul
 David Alan Hartley, Minneapolis
 Marcia Ann Hewitt, Duluth
 Sally Darlene Hickenbotham,
 Aberdeen, S.D.
 Edwin Arthur Hiner, Minneapolis
 Constance Marian Bloch Hoffman,
 Minneapolis
 Sharon Dee Hogfoss, New Ulm
 Richard David Holmes, St. Paul
 Sharon Rachel Holmstrom, Mora
 Mary Frances Hone, Richfield
 Philip Sylvan Horner, Grand Forks,
 N.D.
 John Peter Huberty, Minneapolis
 Colleen Ann Hunt, Larimore, N.D.
 William Clark Jenney, Jr., St. Paul
 Carol Frances Johnson, St. Paul
 Dale Gary Johnson, Anoka
 Daniel LeRoy Johnson, Isle, *CUM*
 LAUDE, Psychology
 Nancy Louise Johnson, St. Paul
 Roxanne Gay Johnson, Minneapolis
 Donald Arne Kannas, Bovey
 Gerald Alexander Kennedy, A.A.,
 Corcoran

John H. Kennedy, Wayzata
 Jean Victoria McCoy Kiernan,
 Minneapolis
 Jerald Robert Kiernan, St. Louis Park
 Douglas Helmer Klein, Minneapolis
 Vernon Elon Kleinsasser, St. Paul
 Paul Fred Kleyman, Minneapolis
 Carol Jean Knutson, St. Paul
 Carol Ann Koenig, St. Paul
 Margaret Ann Englund Kohner,
 St. Paul
 Jane Adelaide Kopisca, Shakopee,
 MAGNA CUM LAUDE, *Psychology*
 Paul Jay Kronick, Minneapolis
 Robert Dennis Larsen, Minneapolis
 Claudia Gudrun Larson, Minneapolis
 Lynne Carol Larson, Minneapolis
 James Anthony Laughlin, St. Cloud
 John Marshall Lewman, Minnetonka
 Barbara Ann Lindman, Brooklyn
 Center, SUMMA CUM LAUDE, *Psy-*
 chology
 Linda Lee Locascio, South St. Paul
 Vernon Alex Loehr, Greenwald
 Susan Kay Lund, Excelsior
 Gail Phyllis Mannerling, St. Paul
 John Charles Marker, Two Harbors
 Alan Gould Marshall, St. Paul
 Marilyn June Doyle McPartlin,
 Minneapolis
 Kay Christine Meierbachtol, Faribault
 Linda Jean Melting, Albert Lea
 Stephen Howard Miller, Glencoe
 Robert Charles Mitchell, St. Paul
 John Arnold Moe, Edina
 NancyCarolynn Molstad, Minneapo-
 lis, MAGNA CUM LAUDE, *Sociology*
 David John Monge, Tracy
 Dewey Moore, Jr., Belleville, Ark.
 James Hamlin Morton, Glenwood,
 CUM LAUDE, *Music*
 Stephen Lloyd Muehlberg, Minne-
 apolis
 Edna Ossont Muench, Barneveld,
 N.Y.
 Mary Margaret Nauth, Minneapolis
 Roberta Ellen Nelson, Minneapolis
 Steven Bruce Nelson, Alexandria
 John Spicer Nichols, Rochester
 Richard George Nystrom, Bloomington
 ton
 David Wesley Nystuen, St. Paul
 Carmen Louise Landry Olson, Min-
 neapolis, MAGNA CUM LAUDE,
 French
 Grant Edwin Oppegaard, McIntosh
 David Richard Ornstein, Minneapolis
 Christopher Headley Page, St. Paul
 Andrew John Papiz, Minneapolis
 Dennis Robert Pelletier, Bloomington
 Miriam Lucille Willey Pew, St. Paul,
 CUM LAUDE, *Sociology*
 Daniel Edwin Ploetz, Wauwatosa,
 Wis.
 Nancy Lee Pomeroy, South St. Paul
 Charles King Porter, Chapel Hill,
 N.C.
 Patrick Wayne Porter, Minneapolis
 Sharon Ann Walters Preston,
 Columbus, Ohio
 Robert James Price, Edina
 Thomas Grover Prindle, Aitkin
 Bruno Salvatore Procopio, Rochester
 Leona Cassens Pudas, Minneapolis
 John Frank Quan, Guam
 Ann Elizabeth Radomski, Robbins-
 dale
 Thomas Richard Resnick, Minneapolis
 Edgar Howard Rex, Jr., Minneapolis
 Stephen Earle Robbins, Minneapolis
 Henry Perry Roberts, Jr., Minne-
 apolis
 John Edward Rode, St. Paul
 Robert Ernest Rofidal, Brainerd
 Anthony Thomas Rozycki, St. Cloud
 Sherman Daniel Sacks, St. Paul
 Carl Odell Sandberg, Glen Lake
 Charles Donald Sanft, St. Paul
 Melvin Roy Schaupp, Winona
 Marie June Schert, Mound
 Norman David Schey, Madison
 Joel Leonard Schintz, A.A., Minne-
 apolis
 Leone Medin Schmalzbauer, St. Paul
 Mary Louise Schmitz, Browns Valley
 Wendell Allen Schott, Minneapolis
 John Clare Schweitzer, A.A., Rich-
 field
 Roger Leonard Sempel, Minneapolis
 Jarrell Bernal Skrivseth, Minneapolis
 Charles Thomas Smit, Wabasha
 Kathleen Mary Smith, Minneapolis

Michael John Smith, St. Paul
Edwin Frederick Snyder, Minneapolis
Linda Sommers, Minneapolis
Meridee Joann Sorensen, St. Paul
Wendy Susan Sparrow, Edina
Donald Robert Sponberg, Edina
Ronald Ernest Steckman, Minneapolis
Robert Armin Steinhauer, St. Paul
James Zygmunt Stengel, Minneapolis
Jane Marie Stepanchak, Minneapolis
William Thomas Stevens, Grand Rapids
Karen Mae St. John, Minneapolis
William Redfield Stocking, Minneapolis
Diane Marie Storm, White Bear Lake
Dinah Lynn Struck, Minneapolis
Charles Michael Stubbs, Osseo
Marcia Ingrid Swanson, Paducah, Ky.
Emma A. Michelotti Taddei, Minneapolis, CUM LAUDE, French

Deborah Jill Taffel, St. Paul
Harold Albert Tapper, Minneapolis
Eva Victoria Teubal, Buenos Aires, Argentina
Toni Dianne Thorpe, Mason City, Iowa
Susan Ann Vannelli, South St. Paul
Edward Armand Voeller, St. Paul
Nancy Lou Vong, St. Paul
Wayne Earl Webb, Spring Valley
Marlene Josephine Wees, Rochester
Brian O'Donoghue White, Wilmette, Ill.
Fred Daniel White, Minneapolis
Janet Louise Whitley, Minneapolis
Mary Josephine Wiesweg, St. Paul
Ava Marie Woolliscroft, Minneapolis
Elizabeth Ann Young, Wayzata
Maija Zakis, St. Paul
Daniel Kristian Zeller, West Concord

UNIVERSITY COLLEGE

Bachelor of Science

Barbara Jean Mueller, Minneapolis

Douglas Newell Wright, Minneapolis

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Larry Robert Backlund, Anoka
Charles Andrew Farrell, Jr., St. Paul,
WITH DISTINCTION
Charles Owen Reinhart, Warroad

Peter Dennis Stoupas, Athens, Greece
James Carter Thompson, Jr., Reading, Pa.

Bachelor of Chemical Engineering

James Francis Kotek, Montgomery
Jia Rong Lin, LL.B., Potzu, Taiwan

Richard Lee Thomas, A.A., Rochester

Bachelor of Chemistry

Gary Walter Barfknecht, Virginia
Wallace Rene Hlavac, St. Louis Park
Leon Vincent Kremer, St. Paul Park
Dale William Onken, Slayton

Jay W. Patrick, Iowa City, Iowa
Edward Otto Welke, St. Paul,
WITH DISTINCTION

Bachelor of Civil Engineering

William John Brezinsky, Pine River

Stanley Warren Kummer, B.A.,
Minneapolis

Bachelor of Electrical Engineering

Mark Gordon Andersen, Duluth
John Clifford Brudvik, Minneapolis
Robert Alan Gille, St. Paul
Bruce Milton Gunberg, North Branch
William Michael Kayser, St. Paul

Ronald Henry Kubinski, Minneapolis
Robert St. Clair LaRue, Hopkins
Roger Harold Payne, Rochester
Brian Walter Schubert, A.A.,
Rochester

Bachelor of Geological Engineering

Gary Evan Underdahl, Adams

Bachelor of Mathematics

Dennis Karl Peterson, North St. Paul,
WITH DISTINCTION

William Charles Peterson, St. Paul,
WITH HIGH DISTINCTION
Richard Dennis Wank, Minneapolis

Bachelor of Mechanical Engineering

Robert Edward Brisco, Crystal
Richard Lance Bucholtz, Jordan
David Arnold Christiansen, Minne-
apolis
Richard Alan DeVries, Minneapolis
Gary Lee Drayton, Pelican Rapids
Douglas Charles Erickson, Minne-
apolis
Thomas Kenneth Gifford, Madison
Lake, WITH DISTINCTION
Keith Allan Goodmanson, Albert Lea
Frederick Marcellus Green, Birming-
ham, Ala.
Timothy Lee Hoopman, Austin

Robert Allen Jensen, Askov
Ronald Neal Kannas, Bovey
Larry Leonard Keller, Fergus Falls
George William Kiewel, Mahtomedi
Paul Andrew Ledin, St. Paul
Thomas John Lippi, Luverne
Jerry Wayne Mithuen, Austin
Richard William Peterson, Windom
Jerry Wayne Saddler, North St. Paul
John Richard Ward, Duluth, WITH
HIGH DISTINCTION
James Walter Whalen, St. Paul, WITH
HIGH DISTINCTION

Bachelor of Metallurgical Engineering

Le Roy Roger Curwick, Marshall,
WITH DISTINCTION

Paul Timothy Wahlstrom, Babbitt

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Richard Lee Abraham, Gaylord,
Agriculture

Robert Donald Dorn, Winona, Agri-
culture, WITH DISTINCTION

Keith William Edman, Cloquet, Agri-
culture

Jack William Heather, Albert Lea,
Agriculture

Bonnie Jean Hertel, Minneapolis,
Home Economics

Michael Henry Lynch, Worthington,
Agriculture

Gloria Gasik O'Donnell, Minneapolis,
Home Economics

Raymond James Vandenberg, St. Paul,
Agriculture, WITH DISTINCTION

Bruce Herbert Waddell, Jr., Bloom-
ington, Agriculture

Dorothy Jeanette Wojak, Malibu,
Calif., Home Economics, WITH
DISTINCTION

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Jeannie Rae Bauer, Leaf River, Ill.,
Home Economics Education

Judy Ann Ritari, Verndale, Home
Economics Education

COLLEGE OF EDUCATION

Bachelor of Science

James Joseph Adams, Hamel, WITH
DISTINCTION

Mary Lynn Almquist, Minneapolis

Judith Carolyn Alwin, St. Paul

Charon Kaye Andersen, New Brighton

Joan M. Averch, B.A., Minneapolis

Marah MacRostie Bain, B.A., Bloom-
ington

James Robert Blanich, A.A., Crosby

Dorothy Mae Blegen, R.N., Minne-
apolis

Patricia Rita Bobich, Chisholm

Patricia Garrett Bomash, A.A., B.A.,
 Wharton, Tex.
 Hugh Warren Bonner, Delaware,
 Ohio
 Barbara Lee Brookson, Minneapolis
 Sharon Benson Brown, St. Paul
 Tommy Lee Brown, Henderson, Ky.,
 WITH DISTINCTION
 Marlene Elizabeth Buller, Chaska,
 WITH DISTINCTION
 Marland Jerome Burckhardt, Russell,
 WITH DISTINCTION
 Patricia Mary Burns, Milan
 Victoria Ann Casey, Minneapolis
 Louella Esther Gerardy Chapiewski,
 Bloomington, WITH DISTINCTION
 Anne Louise Chase, Rumford, R.I.
 Edward LeRoy Christian, Minne-
 apolis
 Lora L. Christianson, Canby
 Peter John Clift, Minneapolis, WITH
 HIGH DISTINCTION
 Patricia Rawerts Dahl, Minneapolis,
 WITH DISTINCTION
 Diane Katherine Doyle, Minneapolis,
 WITH DISTINCTION
 Wesley Charles Engebretson, Anoka
 Judith Lee Ferguson, Edina
 June Ellen Flint, Minneapolis
 John Eli Folk, Minneapolis
 Dennis Martin Gormley, Minneapolis
 Barbara Lynn Gunderson, Rochester,
 WITH DISTINCTION
 James Jerome Hahn, B.A., St. Louis
 Park
 Aileen Pearson Halos, Minneapolis
 Bruce Russell Halverson, St. Paul
 Grace Uthus Hansen, Hopkins, WITH
 DISTINCTION
 Harold Oscar Hanson, Edina
 Ann Lindsay Helmholz, B.A., Roch-
 ester
 Faye Cook Hogenson, Litchfield
 WITH DISTINCTION
 Doris Ellen Ingvaldson, Benson
 Joan Marie Jacobson, Minneapolis
 LaNae Margaret Jennings, Minneapo-
 lis, WITH DISTINCTION
 Charles Richard Johnson, Fergus
 Falls
 Sally Ann Jones, B.A., Hopkins
 Fred Howard Kjos, Brooten
 George Fulton Koehler, B.A., Minne-
 apolis
 Richard Gary Kohnen, B.S.B.,
 Robbinsdale
 Susan Agnes Kopp, North St. Paul
 Roger Stanton Lauve, Newport
 Barbara Ann LeClaire, St. Paul
 Olaf Lawrence Lee, St. Paul
 Elizabeth Collins Lien, Minneapolis
 Kathleen Ann Louis, St. Paul
 Barbara Helen Lund, Edina, WITH
 DISTINCTION
 Barbara Phenix Mahigel, Minneapolis
 Thomas Dean McFarland, Austin
 Marlys Gail Moscoe, Minneapolis,
 WITH DISTINCTION
 Beverly Joan Mullner, St. Paul, WITH
 DISTINCTION
 Richard Lee Nelson, Minneapolis
 Louise Ellen Noreen, Minneapolis,
 WITH DISTINCTION
 Dianne Elizabeth Patterson, West-
 brook
 Gretchen Marie Peterson, St. Paul,
 WITH DISTINCTION
 Keith Richard Phifer, Minneapolis
 Carol Elizabeth Prasky, Minneapolis
 Lyle Aaron Rockler, Minneapolis
 Marie June Schert, Mound
 Joan Elaine Snowden, St. Louis Park
 Charlene Marie Snyder, Osseo
 Morgan Axel Soderberg, B.A., Min-
 neapolis
 Joan Marjorie Solomon, Minneapolis
 Cynthia Lois Sonnesyn, Edina
 Bonnie Lee Springborn, Stillwater
 Diane Marie Hoelscher Spychalla,
 Browerville
 James Hugh Stewart, St. Paul
 David Allen Vick, Minneapolis
 Mary Patricia Westberg, Mankato
 Sandra Lianne Wheeler, Winnebago,
 WITH DISTINCTION
 Marion Louise Witt, Bloomington
 Irene Alice Wolfs, Shawnee Mission,
 Kan., WITH DISTINCTION

Master of Education

Catherine Jane Andres, B.A., Walla Walla, Wash.	James Harold Jipping, B.A., Lansing, Ill.
Duane O. Baglien, B.S., Minneapolis	Mary Ellen Kitundu, B.S., Lakefield
Katherine Alice Bertram, B.A., B.S., Minneapolis	Sharon Ann Levenson, B.A., B.S., Karlstad
Ethel Jean Beske, B.S.N., Stillwater	Carl Herman Lipke, B.S., Faribault
Joan Anne Buchanan, B.S.N., Minneapolis	Margaret Findlay Munro, B.S.N., Peterborough, Ontario, Canada
Thomas John Cassidy, B.A., Minneapolis	Colleen Heavin Smitherman, B.S., Coatesville, Ind.
Mary Sharon Findley, B.S., Minneapolis	Jon Hall Straub, B.A., B.S., Minneapolis
Patricia Louise Gault, B.S.N., Minneapolis	Edward Otto Welke, St. Paul
Dawn Simone Hoveland, B.S., Winona	Edna May Wlodkowski, B.S.N., Minneapolis

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

Gaylord Allen Alberg, Clitherall	Richard LeRoy Larson, Minneapolis
James Bruce Aronson, Annandale	Albert Lawrence Leitschuh, A.A., Minneapolis
John Frederick Bierbaum, Minnetonka	Richard Arthur Lewis, Duluth
Roger Harold Boelter, Wood Lake	David Cecil Lindblom, Worcester, Mass.
Rodney Roman Borseth, Windom	James Bruce McDaniel, St. Paul
James William Cagley, Hopkins, WITH DISTINCTION	Kenneth James Miller, Hastings, Neb., WITH DISTINCTION
David Carroll Christensen, A.A., Rochester	William Douglas Moon, Minneapolis
George Orlyn Christoferson, Minneapolis	Todd Stanley Myhre, Richfield
Thomas Francis Doyle, Virginia	James Harold Reuterfeldt, Minneapolis
Frederick Wesley Elias, Rochester	James Lewis Ross, St. Paul
Allen Bernard Erickson, Clitherall	John Henry Sandstede, Dassel
Michael Charles Fletcher, Minneapolis	Douglas Jerome Schmalz, Westbrook
Allen Joseph Gilson, Brainerd	R. Michael Schulte, South St. Paul
Arthur Allan Hahn, Belle Plaine	John Stephen Seidl, St. Paul
Gary Eugene Henkel, Fridley	Richard Vernon Siewert, Red Wing
Duane Edmund Jedlenski, Minneapolis	Theodore Michael Stahl, St. Paul
George Charles Jorgenson, Alexandria	Thomas Robert Staska, Minnetonka
Richard John Kline, Minneapolis	Richard Barnes Taylor, Big Stone Gap, Va.
John Paul Kosel, St. Paul	Bruce Willard Triden, Minnetonka
David Melker LaClare, Minneapolis	

Jon Loring Van Valkenburg, Rob-
binsdale
Howard Roy Winer, St. Louis Park

Richard C. Woodhouse, A.A., Mason
City, Iowa, WITH DISTINCTION

Bachelor of Science in Economics

Richard Alan Finne, St. Louis Park Alton Charles Todd, De Graff

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science

Katherine Ann Barzen, Minneapolis,
Medical Technology*

Carol Jean Elliott, Minneapolis,
Medical Technology*

Fredda Beth Gary, Minneapolis,
Medical Technology*

Sheryl Marie Longman, Minne-
apolis, Medical Technology*

Barbara Jean Leonard, South St. Paul,
Occupational Therapy, WITH DIS-
TINCTION

Sandra Jean McGee, St. Paul, Medical
Technology*

Sandra Georgia Williams, Minne-
apolis, Medical Technology*

Master of Public Health

Victor Thomas Albino, B.A., Kansas
City, Mo.

Karol Kay DeRoos, B.A., Minneapolis

Jo Anne Lee Jenson, B.A., Faulkton,
S.D.

Lawrence John Maniscalco, B.A.,
San Francisco, Calif.

Swing Suwan, B.S., Bangkok,
Thailand

Sister Ann Catherine Wiltz, M.S.,
Concordia, Kan.

* These degrees are conferred subject to the completion of practical work prior to December 16, 1967.

GRADUATE SCHOOL

Master of Architecture

Prasong Eiam-Ananta, Ayudthaya,
Thailand

B.A. '61, Silpakom University. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

Anthony Frederick Mayer, Dallas,
Tex.

B. of Arch. '65, University of Texas. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

Master of Arts

Lawrence H. Achorn, Jr., Washburn,
Me.

B.A. '58, Wartburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. C. Chase

Gerald Joseph Ahlin, Amery, Wis.

B.A. '54, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. O. Sielaff.

Luis Raul Almeida Duran, Mexico
City, Mexico

Licenciado en Economia '63, Universidad Nal. Autonolia De Mexico. Field of Concentration: Economics. Major Adviser: Prof. Edward Coen.

Mary Howland Ambroe, Winthrop

B.S. with distinction '62, University of Minnesota. Field of Concentration: Speech Science, Pathology, and Audiology. Major Adviser: Prof. R. R. Martin.

Raymond Axel Ammentorp, West
Covina, Calif.

B.S. '55, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. R. J. Donnelly

Leila Raye Anderson, Edina

B.S. '64, Wisconsin State University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. M. C. Reynolds.

Robert Kenneth Anderson, Robbinsdale

B.A. '63, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Bernard William Auge, Castle Rock

B.A. cum laude '66, College of St. Thomas. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

Delores Patricia Auge, St. Paul

B.A. '64, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Andrejs Austrums, Minneapolis

B.A. '63, Augustana College. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Orval James Bies, St. Louis Park

B.S. '49, South Dakota State College. Field of Concentration: Physical Education. Major Advisers: Prof. R. J. Donnelly and Prof. J. F. Alexander.

Marilou Smith Birkeland, Minneapolis

B.S. with high distinction '64, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. J. E. Stochl.

Arnold A. Boese, Rush City

B.S. '55, Winona State College. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Robert Willard Bonine, St. Paul

B.A. '62, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson.

Annette Therrien Brandes, Askov

B.S. '62, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

A. Ruth Brandt, Duluth

B.S. '37, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. W. House.

Thomas Charles Braun, Minneapolis

B.A. '66, Lawrence University. Field of Concentration: Theatre Arts. Major Adviser: Prof. R. P. Sonkowsky.

Joan Sonnet Broughton, St. Louis
Park

B.S. with distinction '63, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. B. E. Balow.

Annette Swenson Buland, St. Paul

B.S. '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. T. Lambert.

Delores Ann Buller, Edina

B.S. with high honors '59, St. Cloud State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Jean Ann Burke, Sterling, Ill.

B.S. with high honors '58, Northern Illinois University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Charles Wesley Burnside, Minneapolis

B.S. '66, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. L. Jackson.

Allen Edgar Caraway, Hayward, Wis.

B.A.Ed. '57, East Central State College. Field of Concentration: Education. Major Adviser: Prof. D. A. Crawford.

Donald Vernon Carlson, Minneapolis

B.S. '47, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. R. J. Donnelly.

Oan Yul Choi, Seoul, Korea

B.A. '60, Seoul National University. Field of Concentration: Economics. Major Adviser: Prof. H. M. Smith.

Don Jeffrey Christianson, Austin

B.B.A. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

Mary Mimbach Coleman, St. Paul

B.A. '36, State College of Iowa. Field of Concentration: Music Education. Major Adviser: Prof. R. L. Borg.

Patricia Anne Whitten Collins, Minneapolis

B.A. '65, University of Michigan. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Yetta Kelber Cram, Minneapolis

B.S. with distinction '39, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. G. Price

Thomas William Curtis III, St. Paul

B.A. *cum laude* '51, College of St. Thomas; B.S. '58, Wisconsin State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Richard Albert Dahlquist, Minneapolis

B.A. with honors '52, Bethel College; B.A. '57, Macalester College. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.

Kay Berdan Davis, Maryville, Tenn.

B.S. *magna cum laude* '60, Northwestern College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. J. R. Curtin.

Ruth Marie Wood Delorey, Bloomington

B.S. '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Rudolph Phillip DeLuca, Virginia

B.S. '62, Bemidji State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. O. Sielaff.

Daniel John Derfus, Appleton, Wis.

B.S. '65, Marquette University. Field of Concentration: Industrial Relations. Major Adviser: Prof. R. V. Dawis.

Elaine Marie DesRoches, Minneapolis

B.S. '62, Minot State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Georgia Lee Taylor Dettmers,
Stevens Point, Wis.

B.S. '62, University of Wisconsin. Field of Concentration: Home Economics. Major Adviser: Prof. Gertrude Esteros.

Barbara Jean DeWall, Minneapolis

B.S. '62, Huron College. Field of Concentration: Physical Education. Major Adviser: Prof. H. M. Slocum.

Maxine Kirst Dilliard, St. Paul

B.A. '65, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. D. Hall.

- Judith Sally Dommel, Fairfield, Conn.
B.A. '65, Mount Holyoke College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- Cheryl Swanson Erickson, Morris
B.A. '66, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.
- Donald Vernon Finn, Jr., St. Paul
B.A. '62, University of Minnesota. Field of Concentration: Theatre Arts. Major Adviser: Prof. A. H. Ballet.
- Robyn Margaret Infelt Foreman, Idaho Falls, Idaho
B.A. with high honors '64, Idaho State University. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.
- Labelle Salo Froyd, Lake City
B.S. '40, St. Cloud State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force.
- Judith Edelston Fryer, Minneapolis
B.A. *magna cum laude* '61, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.
- Otto David Funk, Brandon, Manitoba, Canada
B.A. '61, University of Manitoba. Field of Concentration: Educational Psychology. Major Adviser: Prof. L. S. Hansen.
- Robert Edward Gander, Duluth
B.A. '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.
- Sister Mary Jude Gardner, Duluth
B.A. '48, College of St. Scholastica. Field of Concentration: English. Major Adviser: Prof. W. P. Glick.
- William James Geer, Minneapolis
B.F.A. '62, Minneapolis School of Art; B.A. '65, University of Minnesota. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.
- Diane Filby Gillespie, Cloquet
B.A. *summa cum laude* '64, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- Richard Allen Gimmestad, Stillwater
B.S. '49, St. Cloud State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.
- Bruce J. Goldstein, Omaha, Neb.
B.A. '65, University of California. Field of Concentration: History. Major Adviser: Prof. C. A. Chambers.
- Jerrold Goldstein, Scottsdale, Ariz.
B.A. with honors '58, University of California Los Angeles; M.A.H.L. '63, Hebrew Union College-Jewish Institute of Religion. Major: History. Minor: Sociology and Anthropology. Thesis: Reform Rabbis and the Progressive Movement. Major Adviser: Prof. Hyman Ber-
man.
- Sharon Kay Grant, Minneapolis
B.S. with high distinction '63, University of Minnesota. Field of Concentration: Spanish. Major Adviser: Prof. W. T. Pattison.
- LaVerne Mae Grasmoe, Red Wing
B.A. '58, Winona State College. Field of Concentration: Educational Administration. Major Adviser: Prof. R. T. Lambert.
- Elizabeth Louise Grundner, St. Paul
B.A. '57, College of St. Catherine. Major: History. Minor: Mass Communications. Thesis: The Ministerial Mind and the Failure of Maryland's Established Church. Major Adviser: Prof. D. B. Rutman.
- Bonnie Jo Gunnon, Hopkins
B.A. *magna cum laude* '65, St. Olaf College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- Michael Arnold Guthman, Flushing, N.Y.
B.A. '65, City College of New York. Field of Concentration: Industrial Relations. Major Adviser: Prof. T. A. Mahoney.
- Hamlin Hoine Hagander, St. Paul
B.A. *cum laude* '50, B.S. '59, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. V. Goossen.
- Sister Marie Edwina Hagen, Charlottetown, P.E.I., Canada
B.A. '65, St. Dunstan's University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. G. M. Mork.

Ora M. C. Hahs, Cumberland, Wis.

B.Ed. '56, Wisconsin State University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Margery Ranning Harris, Minneapolis

B.S. '49, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. C. V. Goossen.

Gerald Joseph Hauble, St. Paul

B.S. '60, Bemidji State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. T. Lambert.

John Thomas Hedenberg, Silver Bay

B.S. '62, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. O. Sielaff.

Gordon Russell Helgeson, Gillett, Wis.

B.A. '58, Yankton College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Donald Earl Henry, Cresco, Iowa

B.A. '65, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. D. Hall.

Elva Catherine Hermsen, Bird City, Kan.

B.M.E. '59, Nebraska State College. Field of Concentration: Education. Major Adviser: Prof. R. W. House.

Marion Forslund Hero, Bloomington

B.A.Ed. '59, University of Michigan. Field of Concentration: Education. Major Adviser: Prof. E. M. Birkmaier.

Roger Dale Herrlinger, Currie

B.A. '53, St. Olaf College. Field of Concentration: Physical Education. Major Adviser: Prof. R. J. Donnelly.

Robert Merrill Higgins, Duluth

B.S. '53, Bemidji State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Thomas Sheldon Hinds, Minneapolis

B.A. '65, Carleton College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Mollie Dorothea Hoben, Westchester, Ill.

B.S. '65, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. M. C. Reynolds.

William Gordon Jack, Minneapolis

B.S. *cum laude* '50, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. E. M. Birkmaier.

Hazel Hubman Jackson, Grand Marais

B.S. '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Gisela Charlotte Johnson, Minneapolis

B.A. '63, University of Minnesota. Field of Concentration: Muscology. Major Adviser: Prof. Sidney Simon.

Stephen Dorwald Johnson, Cokato

B.A. '65, University of Minnesota. Major: Sociology. Minor: Statistics. Thesis: Toward an Integration of a Personality Theory and a Collective Theory of Prejudice. Major Adviser: Prof. W. M. Gerson.

Joan Carol Myrom Jurkovic, Sauk Centre

B.S. '64, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. E. T. Keach.

John Philip Kaess, Minneapolis

B.A. '65, College of St. Thomas. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.

Arthur Harry Kaple, Duluth

B. of Arch. with honors '58, University of Florida. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Crawford.

Audrey Kathleen Kindwall, Storm Lake, Iowa

B.A. '61, State College of Iowa. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Bjorn Karlsen.

Jean Jessica Schachter Kliman, Winnipeg, Manitoba, Canada

B.A. '63, University of Manitoba. Major: Anthropology. Minor: Linguistics and Comparative Philology. Thesis: Neighborhood and Family Ethnography in a Northern Minnesota City. Major Adviser: Prof. P. J. Pelto.

Roger Hunter Knieff, White Bear
Lake

B.S. '53, Wisconsin State College. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. J. R. Curtin.

Roger Gus Kohlts, Duluth

B.S. '63, University of Minnesota. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. H. C. Johnson.

David Felix Krampitz, Springfield,
Mass.

B.A. '51, Concordia Seminary. Field of Con-
centration: Psychology. Major Adviser: Prof.
P. E. Meehl.

Joyce Evangeline Kraulik, St. Paul

B.A. '47, Concordia College. Major: Music.
Minor: Music Education. Thesis: The De-
velopment of Choral Schools in England up
to the Reformation Era. Major Adviser: Prof.
Johannes Riedel.

Donald Max Kronemann, Cloquet

B.S. *cum laude* '59, Concordia College. Field
of Concentration: Curriculum and Instruction.
Major Adviser: Prof. H. C. Johnson.

Ronald Lee Larsen, Little Falls

B.S. *cum laude* '63, St. Cloud State College.
Field of Concentration: Music Education. Ma-
jor Adviser: Prof. R. L. Borg.

Linda Elizabeth Lee, Shawnee Mis-
sion, Kan.

B.A. '61, M.A. '65, Kansas State University.
Field of Concentration: Library Science.
Major Adviser: Prof. Edith Kromer.

Lowell Garnell Liedman, St. Paul

B.A. *cum laude* '66, Hamline University.
Field of Concentration: History. Major Ad-
viser: Prof. Kinley Brauer.

Dwight H. Lindbloom, Soudan

B.A. '60, Bethel College. Field of Concen-
tration: Educational Administration. Major Ad-
viser: Prof. D. R. Pierce.

Robert Ira Littlefield, Minneapolis

B.A. '52, Hamline University. Field of Con-
centration: Educational Psychology. Major Ad-
viser: Prof. A. R. Anderson.

Janice Enger Love, Richfield

B.A. '49, B.S. '52, University of Minnesota.
Field of Concentration: Curriculum and In-
struction. Major Adviser: Prof. N. C. Chase.

David Elmer Lundsgaard, St. Paul

B.A. '61, Wheaton College. Field of Concen-
tration: Psychology. Major Adviser: Prof. L. H.
Lofquist.

Charlotte Johnson MacLeod, Duluth

B.S. *cum laude* '53, University of Minnesota.
Field of Concentration: Education. Major Ad-
viser: Prof. W. R. McEwen.

Robert Eugene Marcotte, Anoka

B.S. '63, University of Minnesota. Field of
Concentration: Geography. Major Adviser:
Prof. F. E. Lukermann.

Bessie Marmas, Virginia

B.S. '61, Macalester College. Field of Con-
centration: Educational Psychology. Major Ad-
viser: Prof. M. F. Gum.

Barbara Diane Mattson, Iron

B.A. *summa cum laude* '65, University of
Minnesota. Field of Concentration: English.
Major Adviser: Prof. J. C. Levenson.

Rosemary Ann McDonough, Guthrie,
Okla.

B.S. '42, Kansas State Teachers College; M.A.
'49, University of Chicago. Field of Concen-
tration: Economics. Major Adviser: Prof. F.
M. Boddy.

Stephen Allan McGrath, Carbondale,
Ill.

B.A. '65, Southern Illinois University. Field
of Concentration: Mathematics. Major Ad-
viser: Prof. W. S. Loud.

Lorna Jean McLeod, St. Paul

B.S. '62, Fairleigh Dickinson University. Field
of Concentration: Curriculum and Instruction.
Major Adviser: Prof. N. C. Chase.

Ruth Eileen McQuarrie, Ogden, Utah

B.A. *magna cum laude* '64, Brigham Young
University. Field of Concentration: American
Studies. Major Adviser: Prof. M. C. Turpie.

Jean Evelyn Miller, Scandia

B.S. *magna cum laude* '56, Omaha University.
Field of Concentration: Curriculum and In-
struction. Major Adviser: Prof. H. C. Johnson.

Marjorie A. Miller, New Richmond,
Wis.

B.S. '59, Wisconsin State College. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. Norine Odland.

- Frederick Crittenden Mish, Hagerstown, Md.
B.A. '59, Yale University. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.
- Daniel Edward Mobilia, Babbitt
B.S. '61, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.
- Daryl Richard Moen, Cornell, Wis.
B.A. *magna cum laude* '66, Wisconsin State University. Field of Concentration: Mass Communications. Major Adviser: Prof. M. V. Chamley.
- Elvira Vida Moore, Quezon City, Philippines
B.P.E. '59, University of Philippines. Field of Concentration: Physical Education. Major Adviser: Prof. E. M. Jaeger.
- Richard Samuel Moore, Minneapolis
B.Sc. '59, University of Nebraska. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson.
- Barbara Nelson Munson, Rockford, Ill.
B.A. '63, University of Illinois. Field of Concentration: Library Science. Major Adviser: Prof. Yvonne Van der Boom.
- Conrad Muzik, Austin
B.S. '59, St. Cloud State College. Field of Concentration: Education. Major Adviser: Prof. R. W. House.
- Ardell Pogatchnik Nadesan, Albany
B.S. '57, St. Cloud State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force.
- Sunanda Nag, Calcutta, India
B.A. '58, Lady Brabourne College; M.A. '61, Calcutta University. Major: Philosophy. Minor: History. Thesis: Spinoza's Conception of the Individual and His Indebtedness to Descartes and Aristotle. Major Adviser: Prof. R. G. Ross.
- H. Richard Nordstrom, Duluth
B.S. '62, Bemidji State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Crawford.
- Sister Mary Renee Oeffling, Minneapolis
B.A. '60, College of St. Catherine. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.
- Joseph Cooke Ordos, Minneapolis
B.A. '62, University of Minnesota. Field of Concentration: Art Education. Major Adviser: Prof. W. R. Hastie.
- Donald Vincent Osier, Robbinsdale
B.A. '59, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berminghausen.
- Donald Erland Overlie, Spokane, Wash.
B.Ed. '62, Gonzaga University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Robert Dykstra.
- Marcia Jean Pankake, Osseo
B.A. '62, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.
- Beverly Joy Pankonie, St. Petersburg, Fla.
B.S. '58, University of Minnesota. Field of Concentration: Art Education. Major Adviser: Prof. C. A. Gayne.
- Reuben Joseph Patnaude, Jr., Grand Rapids
B.S. '50, Bemidji State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. A. E. Smith.
- Norbert Elmer Patterson, Minneapolis
B.S. '61, Morningside College. Field of Concentration: Industrial Relations. Major Adviser: Prof. H. G. Heneman.
- Loren Joseph Peterburs, Minneapolis
B.S. with distinction '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. D. Ashmun.
- Layton Gene Peters, Sanborn
B.S. '53, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. G. I. Swanson.
- Grover Erling Petersen, Richfield
B.A. '57, Hamline University. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Marilyn Jean Picchiatti, Chicago, Ill.

B.A. '59, Mundelein College. Field of Concentration: Economics. Major Adviser: Prof. F. M. Boddy.

Sister Lea Mary Pocta, Duluth

B.S. '54, College of St. Scholastica. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. F. Gum.

Paul Ernest Potretzke, Bloomington

B.S. '55, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocher.

Evelyn Dolores Powell, Duluth

B.A. '30, Macalester College. Field of Concentration: Education. Major Adviser: Prof. R. O. Sielaff.

Maria Wong Rantapaa, Hong Kong

B.A. '61, Augustana College. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.

Rose Krivisky Reha, Sandstone

B.S. '65, Indiana State University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. C. Price.

James Alexander Reinertson, Minneapolis

B.A. '37, Augustana College. Field of Concentration: Education. Major Adviser: Prof. C. H. Boeck.

Nancy Felicia Remus, Minneapolis

B.A. '64, College of St. Catherine. Field of Concentration: History. Major Adviser: Prof. W. E. Wright.

James Serl Ritchie, Montreal, Quebec, Canada

B.A. *summa cum laude* '55, Mexico City College. Major: History. Minor: English. Thesis: The Summer Whitehouse: President Coolidge at the Head of the Lakes—1928. Major Adviser: Prof. A. J. Larsen.

Richard Courtney Rowe, St. Paul

B.S. '64, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. A. Parker.

Richard Wilson Rowles, Cheyenne, Wyo.

B.S. '48, University of Wyoming. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Ruth Alice Ruege, Wauwatosa, Wis.

B.A., B.S. '62, Mankato State College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Donald Francis Sandstrom, Gilbert

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Edith Stalling Scamman, Wellington, Mo.

B.M.E. '58, Central Missouri State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Peter Henry Schneeman, St. Paul

B.A. '59, University of Minnesota. Field of Concentration: English. Major Adviser: Prof. C. H. Foster.

Gene Edward Schoenick, River Falls, Wis.

B.A. '59, B.S. '64, Wisconsin State University. Major: History. Minor: Political Science. Thesis: A History of River Falls, Wisconsin 1848-1885. Major Adviser: Prof. R. C. Lochr.

Hubert Johan Christophoor Schuurman, Ottawa, Ontario, Canada

B.A. '62, Memorial University of Newfoundland. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

Wendy Joelaine Seagren, Robbinsdale

B.S. with distinction '65, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. T. W. Clymer.

Sandra Joan Serkin, Coral Gables, Fla.

B.A. '65, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. A. Parker.

Beverly Ann Severson, Minneapolis

B.S. *cum laude* '52, University of Washington. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. D. Hall.

Leland William Severson, Duluth

B.A. '51, Augsburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. M. Milbrath.

Rosemary Therese Shanus, Gilbert

B.S. '54, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Mary Lou Germann Sheffer, Spooner, Wis.

B.B.A. '49, University of Wisconsin. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

Walter Jerome Simonson, Sauk Rapids

B.S. '61, St. Cloud State College. Field of Concentration: Educational Administration. Major Adviser: Prof. C. P. Hooker.

Sidney Harold Stallinga, Sioux Falls, S.D.

B.S. '61, Augustana College. Field of Concentration: Educational Psychology. Major Adviser: Prof. A. R. Anderson.

Patricia Anne Stringer, St. Paul

B.S. '60, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. M. U. Wilson.

Douglas Dean Sumner, River Falls, Wis.

B.S. '65, Wisconsin State University. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Conrad Martin Sutton, Powell, Wyo.

B.S. '57, University of Wyoming. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Lawrence John Syck, Duluth

B.S. '63, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. O. Sielaff.

Charles Gerhardt Tewinkel, St. Paul

B.A. '61, Whitworth College. Field of Concentration: English. Major Adviser: Prof. C. H. Foster.

Ronald Charles Thompson, Minneapolis

B.A. '62, St. Thomas College. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Carol Torgerson, Minneapolis

B.A. *summa cum laude* '60, Concordia College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. F. M. Whiting.

Richard Vito Travisano, Waterbury, Conn.

B.A. '61, University of Connecticut. Major: Sociology. Minor: Anthropology. Thesis: Alternation and Conversion in Jewish Identities. Major Adviser: Prof. G. P. Stone.

Mary Margaret Vasquez, Lima, Peru, South America

B.A. '62, Macalester College. Major: Sociology. Minor: Child Psychology. Thesis: Parent-Child Conflict and Its Relationship to the Child's Behavior and Values. Major Adviser: Prof. A. M. Rose.

Charles Eilert Vierow, St. Paul Park

B.S. '49, University of Illinois; B.S. '61, Bemidji State Teachers College. Field of Concentration: Educational Administration. Major Adviser: Prof. R. T. Lambert.

Norman Magne Vinnes, St. Paul

B.A. *cum laude* '61, B.S. '62, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Sister Mary Ambrose Vogel, Ladysmith, Wis.

B.S. '60, College of St. Scholastica. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.

Carl Imanuel Wahlstrom, Braham

B.S. with distinction '63, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. R. T. Lambert.

Mary Lyman Wannamaker, Des Moines, Iowa

M.A. '49, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

John Francis Wells, Haverford, Pa.

B.A. with honors '64, University of Pennsylvania. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Walter William Wenholz, Wood Lake

B.S. with distinction '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Douglas Richie White, Minneapolis

B.A. *magna cum laude* '64, University of Minnesota. Major: Anthropology. Minor: Sociology. Thesis: Concomitant Variation in Kinship Structures. Major Adviser: Prof. P. J. Pelto.

Curtis Lynn Wickham, Spangle, Wash.

B.S. '57, Union College. Field of Concentration: Music Education. Major Adviser: Prof. A. F. Caswell.

Helen Kathleen Wilson, San Diego, Calif.

B.A. '65, San Diego State College. Major: Psychology. Minor: Educational Psychology. Thesis: The Effect of Graded Extinction Upon the Conditioned Avoidance Response. Major Adviser: Prof. M. A. Trapold.

William Jacob Wilson, Minneapolis

B.A. '65, University of Minnesota. Major: Sociology. Minor: Psychology. Thesis: Community Analysis: A Study of the Emerging Power Structure in an Urban Community. Major Adviser: Prof. C. E. Ramsey.

Mary Margaretta Wright, Fergus Falls

B.S. '63, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. R. W. House.

Chiao Yeh, Taipei, Taiwan, Republic of China

B.S. '63, National Taiwan University. Field of Concentration: Statistics. Major Adviser: Prof. B. W. Lindgren.

Victoria Tsong-Yueh Hsiao Yu

B.A. '38, University of Nanking. Field of Concentration: Sociology. Major Adviser: Prof. M. A. Straus.

Anthony Paul Zigneigo, Mound

B.S. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Marvin Dale Ziner, Cyrus

B.S. '60, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. C. H. Boeck.

Master of Arts in Public Administration

David Benner Birt, St. Paul

B.A. '66, University of Minnesota. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Thomas Louis Jackson, Golden Valley

B.S. '51, Southern Illinois University; M.A. '59, University of Minnesota. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Master of Business Administration

Michael Louis Bochert, Minneapolis

B.A. '66, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. K. Gaumnitz.

Gregory Joseph Liemandt, Minneapolis

B.S. '65, St. John's University. Field of Concentration: Business Administration. Major Adviser: Prof. D. V. Harper.

James John Carter, Minneapolis

B.S. '61, Tufts University. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Master of Fine Arts

Judith Carls Caswell, Minneapolis

B.M. with high honors '62, Wheaton College; M.A. '64, University of Minnesota. Field of Concentration: Music. Major Adviser: Prof. Johannes Riedel.

James M. Sahlstrand, Minneapolis

B.A. '61, University of Minnesota. Field of Concentration: Art. Major Adviser: Prof. Allen Downs.

Master of Science

David Anselm Anderson, St. Paul

B.S. with distinction '65, University of Minnesota. Field of Concentration: Forestry. Major Adviser: Prof. D. B. Thorud.

Muawia Barazangi, Damascus, Syrian Arab Republic

B.S. '65, Damascus University. Major: Geophysics. Minor: Geology. Thesis: Geophysical Investigation of the Hudson-Aftron Horst, Dakota County, Minnesota. Major Adviser: Prof. H. M. Mooney.

Larry Renco Blokzyl, Minneapolis

B.S. '64, Hamline University. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: Oxidation Adjacent to Asymmetric Carbon: EXO-3-Deuterio-2-Benzonorbornene. Major Adviser: Prof. Ronald Cape.

Rodney Albert Britten, Eau Claire, Wis.

B.S. '64, University of Wisconsin. Major: Physics. Minor: Mathematics. Thesis: A Mass Spectroscopic Determination of the Mass Differences $Ni_{62}-Ni_{61}$ and $Ni_{61}-Ni_{60}$. Major Adviser: Prof. W. H. Johnson.

Michael Chandler, Montreal, Quebec, Canada

B.Sc. '65, McGill University. Major: Physics. Minor: Mathematics. Thesis: Use of Separable Potentials in Coupled-Channel Scattering. Major Adviser: Prof. A. M. Bolsterli.

Kathy Kuo-Chiang Chi, Taipei, Taiwan, Republic of China

B.S. '64, National Taiwan University. Field of Concentration: Business Administration. Major Adviser: Prof. J. C. Gray.

Dolores Anne Clemente, Portland, Me.

B.A. '61, St. Joseph's College. Field of Concentration: Agricultural Plant Physiology. Major Adviser: Prof. A. J. Linck.

Robert Noyce Coats, Palo Alto, Calif.

B.S. with high honors '65, University of California. Major: Forestry. Minor: Soils. Thesis: Evaluation of an Ecological Nutrient Gradient in the Central Pine Section of Minnesota. Major Adviser: Prof. E. V. Bakuzis.

James Alfred Dodge, Moose Lake

B.S.B. with distinction '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. J. M. Smith.

Ben Drake, Winona

B.A. '59, University of Minnesota. Major: Geology. Minor: Physical Chemistry. Thesis: Structure and Origin of the Tomahawk Volcanics, Central Black Hills, South Dakota. Major Adviser: Prof. J. C. Craddock.

Charles Thomas Fulton, Indio, Calif.

B.A. *magna cum laude* '65, University of Redlands. Major: Mathematics. Minors: Statistics and Physics. Thesis: Equivalence of the Concept of Almost Periodicity in the Uniform, Compact-Open, and Local L_p Topologies. Major Adviser: Prof. G. R. Sell.

Kyung Sun Kim, Seoul, Korea

B.S. '62, Yonsei University. Field of Concentration: Horticulture. Major Adviser: Prof. R. E. Widmer.

Ning-Ying Lan, Taipei, Taiwan, Republic of China

B.S. '62, Taiwan Provincial Chung-Hsing University. Field of Concentration: Horticulture. Major Adviser: Prof. C. J. Weiser.

James Rollin Lander, Jr., Mankato

B.S.B. '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. T. R. Hoffman.

Shen-Maw Lin, Formosa, Republic of China

B.S. '62, Taiwan Provincial Chung-Hsing University. Major: Soil Science. Minor: Physical Chemistry. Thesis: Porosity and Poresize Distribution of Soil Aggregates. Major Adviser: Prof. G. R. Blake.

Debra Hua Lu, Taiwan, Republic of China

B.S. '63, Cheng Kung University. Field of Concentration: Business Administration. Major Adviser: Prof. J. C. Gray.

Ming Te Lu, Taiwan, Republic of
China

B.S. '60, Chung Kung University. Major: Business Administration. Minor: Mathematics. Thesis: Nonlinear Parametric Linear Programming Problems. Major Adviser: Prof. G. M. Andrew.

James Robert March, Markesan, Wis.

B.S. '64, University of Minnesota. Major: Fisheries and Wildlife. Minor: Biometry. Thesis: Dominance Relations and Territorial Behavior of Captive Shovelers, *Anas Clypeata*. Major Adviser: Prof. J. R. Tester.

Carlos R. Meza, Panaquire, Venezuela

Ingeniero Agronomo '62, Universidad Central de Venezuela. Major: Plant Pathology. Minor: Botany. Thesis: Effect of Inoculum Potential on the Parasitism of *Rhizoctonia Solani* Kuhn. Major Adviser: Prof. C. J. Eide.

Rodney Keith Murphey, Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Zoology. Major Adviser: Prof. A. B. Hooper.

Bruce Richard Neumann, LeSueur

B.S.B. with high distinction '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. J. C. Gray.

Vernon Leon Pals, Meservey, Iowa

B.A. '62, State College of Iowa. Field of Concentration: Genetics. Major Adviser: Prof. F. D. Enfield.

Richard Irwin Pietz, Revere

B.S. '65, University of Minnesota. Major: Soil Science. Minor: Biochemistry. Thesis: Available Zinc in Some Minnesota Soils. Major Adviser: Prof. J. M. MacGregor.

Frank Marvin Renshaw, Mason City,
Iowa

B.S. '66, University of Iowa. Field of Concentration: Environmental Health. Major Adviser: Prof. G. S. Michaelsen.

Jisoo Ryu, Seoul, Korea

B.S. '65, University of Utah. Major: Geophysics. Minor: Mathematics. Thesis: Seismic Ray Theory and Its Applications. Major Adviser: Prof. H. M. Mooney.

Elisabeth Hahn Schach, Minneapolis

Diploma in Economics '62, University of Berlin. Field of Concentration: Biometry. Major Adviser: Prof. B. W. Brown, Jr.

Lloyd Vernon Swanson, Rush City

B.S. '60, University of Minnesota. Major: Dairy Husbandry. Minor: Biochemistry. Thesis: Serological Studies of Fertility. Major Adviser: Prof. A. G. Hunter.

Carol Yei-Ling Tan, Taipei, Taiwan,
Republic of China

B.S. '64, National Taiwan University. Field of Concentration: Business Administration. Major Adviser: Prof. J. C. Gray.

Ai-chuan Chiang Tong, Taipei, Tai-
wan, Republic of China

B.A. '64, Tunghai University. Field of Concentration: Business Administration. Major Adviser: Prof. J. C. Gray.

Kysung Sang Yu, Daigu, Korea

B.S. '64, Seoul National University. Major: Horticulture. Minor: Agricultural Plant Physiology. Thesis: Some Factors Affecting Leaf Mineral Nutrient Concentration. Major Adviser: Prof. E. T. Anderson.

Master of Science in Aeronautical Engineering

Loren Albert Lemmerman, Minne-
apolis

B.A. '65, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Investigation of Vortex Fluid Diode Operating Characteristics. Major Adviser: Prof. T. S. Lundgren

Master of Science in Chemical Engineering

Paul Antoine Rouyer, Paris, France

Major: Chemical Engineering. Minor: Mechanical Engineering. Thesis: Influence of Mixing in Chemical Reactors. Major Adviser: Prof. Rutherford Aris.

Master of Science in Civil Engineering

Edward S. Levine, New York, N.Y.

B.C.E. '64, City College of New York. Field of Concentration: Civil Engineering. Major Adviser: Prof. A. G. Anderson.

Richard Harold Nachbar, Jordan

B.C.E. '66, University of Minnesota. Field of Concentration: Civil Engineering. Major Adviser: Prof. G. J. Schroeffer.

Master of Science in Dentistry

Daniel Ainsworth Larson, Minneapolis

D.D.S. '61, University of Minnesota. Major: Dentistry. Minor: Pathology. Thesis: A Review of 500 Jaw Fractures: An Analysis of Their Cause, Treatment, and Subsequent Dental Complications. Major Adviser: Dr. D. E. Waite.

Robert Lee Smith, Valentine, Neb.

D.D.S. '62, University of Nebraska. Major: Dentistry. Minor: Pathology. Thesis: Mucoepidermoid Carcinomas with Special Reference to Bone Involvement, including Tumors Simulating Ameloblastomas of the Jaw Bones. Major Adviser: Dr. D. E. Waite.

Master of Science in Dermatology

Frank Vincent DeLaus, Sr., Rochester, N.Y.

B.S. '59, St. John Fisher College; M.D. '63, State University of New York. Major: Dermatology. Minor: Basic Dermatological Sciences. Thesis: Cold Urticaria. Major Adviser: Dr. R. R. Kierland.

Cesar Antonio Quinones-Diaz, San Juan, Puerto Rico

B.A. '56, Inter American University; M.D. '60, University of Puerto Rico. Major: Dermatology. Minor: Basic Dermatological Sciences. Thesis: Study of the Physiology of the Skin During Applications of Dermatologic Wet Dressings. Major Adviser: Dr. R. K. Winkelmann.

Master of Science in Electrical Engineering

Michael Scott Eggert, Minneapolis

B.E.E. '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics and Statistics. Thesis: Systems Design of a Parallel Digital Differential Analyzer. Major Adviser: Prof. R. P. Halverson.

Gary Byron Lamont, Minneapolis

B.P. '61, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. E. B. Lee.

David Neil Harstad, Balaton

B.S. with distinction '65, University of Minnesota. Field of Concentration: Electrical Engineering. Major Adviser: Prof. E. B. Lee.

Devdas Rathi, Minneapolis

B.E. with distinction '60, Nagpur University; M.E. '61, Indian Institute of Science. Field of Concentration: Electrical Engineering. Major Adviser: Prof. E. B. Lee.

David Cheng-Mei Wan, Taipei, Republic of China

B.S.E.E. '63, Cheng-Kung University. Major: Electrical Engineering. Minor: Mathematics. Thesis: On the Theory of the Digital Differential Analyzer as a General Purpose Computer. Major Adviser: Prof. R. P. Halverson.

Master of Science in Industrial Engineering

Nicholas Criticos, Athens, Greece

B.S. '65, Cornell University. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Duane Louis Engel, Hollandale

B.M.E. with distinction '64, University of Minnesota. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Master of Science in Mechanical Engineering

Robert Francis Hoeft, Lake City

B.M.E. '65, University of Minnesota. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. T. E. Murphy.

Dan Frazier Patch, Duluth

B.S. with highest distinction '65, University of Minnesota. Major: Mechanical Engineering. Minor: Physics. Thesis: The Reignition Response of a Solid Propellant to Variations in Chamber Gas Composition and Temperature. Major Adviser: Prof. E. A. Fletcher.

Kallappa Neelappa Ugargol, Hubli, India

B.E. '60, Poona University. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. D. A. Frohrib.

David James Wilson, Winnipeg, Manitoba, Canada

B.Sc.M.E. '64, University of Manitoba. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Heat Transfer and Effectiveness in Turbulent Film Cooling With Normal Air Injection. Major Adviser: Prof. R. J. Goldstein.

Master of Science in Medicine

Boleslaw Starzecki, Sydney, Australia

B.Sc. '55, M.B.B.S. '58, Sydney University. Major: Medicine. Minor: Physiology. Thesis: Distribution of Cr⁵¹ Endotoxin in Normal and Endotoxin Resistant Dogs. Major Adviser: Dr. W. W. Spink.

Master of Science in Ophthalmology

Harry Martin Lawrence, Jr., Lookout Mountain, Tenn.

B.S. '53, Washington and Lee University; M.D. '56, University of Tennessee. Major: Ophthalmology. Minor: Pathology. Thesis: The Effect of Corneal Lenses on the Healing of Infected Corneal Ulcers in Rabbits. Major Adviser: Dr. J. A. Dyer.

Master of Science in Orthopedic Surgery

Francis Peter Milone, Washington,
D.C.

B.A. '53, St. Peter's College; M.D. '57, Georgetown University. Major: Orthopedic Surgery. Minor: Pathology. Thesis: A Study of Bone Tumors that Simulate the Protruded Intervertebral Disk Syndrome. Major Adviser: Dr. H. H. Young.

Master of Science in Otolaryngology

Alen Munson Fuller, Lawton, Okla.

M.D. '61, University of Oklahoma. Major: Otolaryngology. Minor: Pathology. Thesis: Neuro-Otologic Manifestations of Glomus Jugulare Tumors. Major Adviser: Dr. H. A. Brown.

Certificate of Specialist in Education

Verdi Fredrick Ellies, Winona

B.A. '32, Macalester College; M.Ed. '41, University of Colorado. Field of Concentration: Educational Administration. Major Adviser: Prof. J. R. Curtin.

Carolyn Landrud Elliott, Cable, Wis.

B.S. '55, Drake University; M.A. '57, Northwestern University; M.A. '65, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. B. Wilderson.

Kenneth Frank Kovatch, St. Paul
Park

B.S. '53, Eau Claire State College; M.A. '56, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. J. R. Curtin.

Doctor of Philosophy

Roger Morrison Adams, Wayzata

B.S. '51, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Effect of Pre-Reading Instruction in Certain Letter and Blend Sounds on Reading Achievement at the End of First Grade. Major Adviser: Prof. T. W. Clymer.

Ralph George Anttonen, Cleveland
Heights, Ohio

B.S. '63, Tufts University. Major: Educational Psychology. Minor: Psychology. Thesis: An Examination into the Stability of Mathematics Attitude and its Relationship to Mathematics Achievement from Elementary to Secondary School Level. Major Advisers: Prof. D. G. MacEachern and Prof. C. J. Hoyt.

Andrew Michael Barclay, Port
Chester, N.Y.

B.A. '63, Yale University; M.A. '64, Columbia University. Major: Psychology. Minor: Educational Psychology. Thesis: The Effect of Hostility on Physiological and Fantasy Responses. Major Adviser: Prof. K. E. Weick.

Roger Rudolph Bay, Grand Rapids

B.S. '53, University of Idaho. Major: Forestry. Minor: Supporting Program. Thesis: Interpretation of Fundamental Hydrologic Relationships of Forested Bogs in Northern Minnesota. Major Adviser: Prof. E. I. Sucoff.

Kenneth Richard Berg, St. Paul

B.S. with distinction '60, University of Minnesota. Major: Mathematics. Minor: Philosophy. Thesis: On the Conjugacy Problem for K-Systems. Major Adviser: Prof. L. W. Green.

Leon Wilfred Browder, Pueblo, Colo.

B.A. '62, University of Colorado; M.S. '64, Louisiana State University. Major: Zoology. Minor: Genetics. Thesis: Pigmentation in *Rana Pipiens*: A Study in Developmental Genetics. Major Adviser: Prof. N. T. Spratt, Jr.

William Francis Brown, Cedar City, Utah

D.V.M. '60, Washington State University. Major: Veterinary Obstetrics and Gynecology. Minor: Biochemistry. Thesis: A Study of Cystic Degeneration of the Ovaries in the Cow. Major Adviser: Prof. Raimunds Zemjanis.

Peter Andrew Chevalier, Minneapolis

B.A. '62, University of Minnesota. Major: Physiology. Minor: Biochemistry. Thesis: A Study of Hemodynamic Changes Following Stimulation of Left Ventricular Baroreceptors. Major Advisers: Dr. M. B. Visscher and Dr. I. J. Fox.

Connie Clark, St. Paul

B.A. '55, Iowa State Teachers College; M.A. '58, Colorado State College; M.S. '64, University of Minnesota. Major: Microbiology. Minor: Biochemistry. Thesis: A Study of the Utilization of Organic Compounds by *Nitrosomonas europaea*. Major Adviser: Prof. E. L. Schmidt.

Boy Norfleet Collier, Jr., Shelton, Wash.

B.A. '52, University of Washington; M.E.D. '63, Western Washington State College. Major: Educational Psychology. Minor: Psychology. Thesis: The Adolescent Diabetic: Some Personality and Knowledge Characteristics and Their Implications for Education. Major Adviser: Prof. R. E. Wilk.

Joseph Lynn Dubbert, Laurens, Iowa

B.A. '62, Parsons College. Major: History. Minor: Supporting Program. Thesis: The Puritan in Babylon: William Allen White. Major Adviser: Prof. D. W. Noble.

Louise Duus, Buffalo, N.Y.

B.A. '49, Oberlin College; M.A. '50, University of Michigan. Major: American Studies. Thesis: There Ought to Be a Law: A Study of Popular American Attitudes Toward "The Law" in the 1920's. Major Adviser: Prof. M. Q. Sibley.

Stanley Lawrence Erlandsen, St. Paul

B.S. '63, Dana College. Major: Anatomy. Minor: Supporting Program. Thesis: Effects of Glucose and Insulin Upon Cultures of Pancreases of Embryos From Normal and Diabetic Rats. Major Adviser: Dr. L. J. Wells.

Herbert Irving Freedman, Winnipeg, Manitoba, Canada

B.Sc. '62, University of Manitoba; M.A. '64, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: Estimates of the Existence Region for Solutions of Equations Involving a Small Parameter. Major Adviser: Prof. W. S. Loud.

Kenneth Edward Garland, Mahomen

B.A., B.S. '54, Moorhead State College; M.A. '61, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: An Investigation of the Academic Achievement of Ninth Graders, with Varying Elementary School Backgrounds, from Selected Minnesota School Districts. Major Adviser: Prof. O. E. Domian.

Daniel Pierre Gilboe, Albany

B.S. '56, M.S. '59, University of Wisconsin. Major: Biochemistry. Minor: Organic Chemistry. Thesis: The Metabolism of Lysine and Hydroxylysine in *Streptococcus faecalis*. Major Adviser: Prof. L. M. Henderson.

Marshall Sterling Hahn, Hampton, Neb.

B.A. '54, M.S. '59, Nebraska State College. Major: Education. Minor: Curriculum and Instruction. Thesis: The Influence of Creativity on the Effectiveness of Two Methods of Instruction. Major Adviser: Prof. H. F. Nelson.

John David Holm, St. Paul

B.S. '62, M.S. '63, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Microwave Conductivity of Silicon and Germanium. Major Adviser: Prof. K. S. Champlin.

Nell-Marie Hoyem, Bemidji

B.A. '27, St. Olaf College; M.A. '57, University of Minnesota. Major: Music. Minor: Education. Thesis: John Dahle: A Positive Influence in the Development of Church Music in the American Mid-West from 1876 to 1931. Major Adviser: Prof. Johannes Riedel.

Joseph DeForest Ives, Clinton, Iowa

B.A. '56, State University of Iowa; M.S. '58, University of Minnesota. Major: Botany. Minor: Zoology. Thesis: Responses of Some Species to Microclimate As Related to Slope Direction. Major Adviser: Prof. D. B. Lawrence.

Eric Knute Jaede, New York, N.Y.

B.S. '61, Rensselaer Polytechnic Institute. Major: Mathematics. Minor: Statistics. Thesis: Error Estimates for the Numerical Solution of Elliptic Partial Differential Equations. Major Adviser: Prof. J. C. Nitsche.

Prem Chand Jain, Delhi, India

B.Sc. '58, Banaras Hindu University; M.S. '60, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Adiabatic Desorption of Porous Materials by Conditioned Air Stream. Major Adviser: Prof. J. L. Threlkeld.

Jaipaul, New Delhi, India

M.A. '58, University of Nebraska; M.A.P.A. '59, University of Minnesota. Major: Political Science. Minor: Mass Communications. Thesis: Organization for Planned Urban Change. Major Adviser: Prof. G. A. Warp.

Raymond Gustaf Johnson, Minneapolis

B.A. *cum laude* '50, Augustana College; M.A. '52, Syracuse University. Major: Psychology. Minor: Neuropsychiatry. Thesis: Nystagmus and Arousal in Compensated Schizophrenics. Major Advisers: Prof. D. T. Lykken and Prof. P. E. Meehl.

Roger Erling Johnson, Minneapolis

B.S. '60, M.A. '63, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: A Study of the Validity of the Clymer-Barrett Prereading Battery. Major Adviser: Prof. J. R. Curtin.

Carole Hesse Judge, Washington, D.C.

B.A. '58, George Washington University. Major: Psychology. Minor: Neurology. Thesis: Thought Disorder in Parents of Schizophrenics. Major Adviser: Prof. R. D. Wirt.

Kevin Edmond Kelleher, White Rock, British Columbia, Canada

B.Sc. '60, Gonzaga University; M.Sc. '63, University of British Columbia. Major: Fisheries and Wildlife. Minor: Supporting Program. Thesis: Distribution of Breeding Birds in Deciduous Forests at the Prairie-Hardwood Forest Ecotone in Northwestern Minnesota. Major Adviser: Prof. J. R. Tester.

Yoon Hough Kim, Hamhung, Korea

B.L.L. '58, Tong Ah University; M.A. '64, University of Minnesota. Major: Sociology. Minor: Social Work. Thesis: The Community of the Blind—A Test Case for Application of the Theory of Community Formation. Major Adviser: Prof. D. A. Martindale.

Ronald Dale Knutson, Montevideo

B.S. '62, University of Minnesota; M.S. '63, Pennsylvania State University. Major: Agricultural Economics. Minor: Law. Thesis: Price and Trade Practice Regulation in the Minnesota Dairy Industry. Major Adviser: Prof. E. F. Koller.

Mahesh Chandra Kumar, Patna, Bihar, India

B.V.Sc., A.H., Bihar Veterinary College; M.S. '64, University of Minnesota. Major: Veterinary Bacteriology. Minor: Public Health. Thesis: Studies on the Transmission of *Mycoplasma melcagridis* in Turkeys. Major Adviser: Prof. B. S. Pomeroy.

Herbert Karl Kutter, Kaufbeuren, Germany

Dipl.Ing. '59, Technische Hochschule Munchen; M.S. '60, Northwestern University. Major: Mineral Engineering. Minor: Civil Engineering. Thesis: The Interaction Between Stress Wave and Gas Pressure in the Fracture Process of an Underground Explosion in Rock, with Particular Application to Pre-splitting. Major Adviser: Prof. Charles Fairhurst.

Gerald Marvin Lage, Sheffield, Iowa

B.S. '62, Iowa State University. Major: Economics. Minor: Supporting Program. Thesis: The Welfare Cost of Trade Restrictions: A Linear Programming Analysis. Major Adviser: Prof. A. O. Krueger.

Edward James Lashley, Ottawa, Ontario, Canada

B.Sc. '59, MacDonald College of McGill University; M.Sc. '61, McGill University. Major: Microbiology. Minor: Biochemistry. Thesis: Control of the Arginine Catabolic Enzymes in *Bacillus licheniformis*. Major Adviser: Dr. R. W. Bernlohr.

Raoul Douglas LePage, Haworth, N.J.

B.S. '61, M.S. '62, Michigan State University. Major: Statistics. Minor: Mathematics. Thesis: Estimation of Parameters in Signals of Known Form and an Isometry Related to Unbiased Estimation. Major Adviser: Prof. Gopinath Kallianpur.

Franco Maria Lioy, Roma, Italy

M.D. *summa cum laude* '56, University of Rome. Major: Physiology. Minor: Biochemistry. Thesis: Factors Influencing the Pressure-volume Relationship of the Left Ventricle. Major Adviser: Dr. M. B. Visscher.

Richard Lee Lippke, San Diego, Calif.

B.F.A. '50, M.A. '55, University of South Dakota. Major: Speech, Communication, and Theatre Arts. Minor: Supporting Program. Thesis: A Comparison of Selected Art Theories in Terms of Their Implications for Theatre. Major Adviser: Prof. W. J. Josal.

Roger Edward Lund, Tyler

B.S. with high distinction '60, M.S. '63, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Afterglow Studies in Nitrogen. Major Adviser: Prof. H. J. Oskam.

James Lewis Mack, Millbrae, Calif.

B.A. '60, Stanford University. Major: Psychology. Minor: Child Psychology. Thesis: An Objective Comparison of Parole Successes and Failures in Terms of Their History and Personality Adjustment. Major Adviser: Prof. R. D. Wirt.

James Merle Madson, Litchfield

B.S. '59, M.S. '61, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Study of the Mobility of Ions Produced in Rare Gas Plasmas. Major Adviser: Prof. H. J. Oskam.

S. K. Maheswaran, Colombo, Ceylon

B.V.Sc. '60, University of Ceylon. Major: Veterinary Bacteriology. Minor: Biochemistry. Thesis: Purification and Characterization of Staphylococcal Beta Hemolysin. Major Adviser: Prof. R. K. Lindorfer.

Gerald Gordon Mansergh, St. Paul

B.A. '56, Hamline University; M.A. '63, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Perceptions of School Personnel and Parents Toward Behavior Problems of Children as Compared to Mental Hygienists: Implications for an Exemplary School Mental Health Program. Major Adviser: Prof. D. E. Davis

Kenneth Fremont Metz, Cando, N.D.

B.S. '58, Jamestown College; M.A. '59, Maryland University. Major: Education. Minor: Educational Psychology. Thesis: The Relationship Between Maximum Aerobic Work Capacity and Physical Fitness. Major Adviser: Prof. R. J. Donnelly.

Helen O'Brien Molitor, Calgary, Ontario, Canada

B.A. '56, Mount Holyoke College; M.A. '59, University of Minnesota. Major: English. Minor: Classics. Thesis: Traditional Logic and Rhetoric in Jonathan Swift's *A Tale of a Tub* and Later Works. Major Adviser: Prof. H. W. Chase.

Robert Wayne Mollan, Minneapolis

B.S. '54, M.A. '58, University of Minnesota. Major: Political Science. Minor: History. Thesis: Congressional Policy-Making During the Eisenhower Administration Regarding Internal Security: A Description and Evaluation. Major Adviser: Prof. H. W. Chase.

Edith Morean, Minneapolis

B.A. '61, B.S. '61, M.S. '64, University of Minnesota. Major: Zoology. Minor: Botany. Thesis: Microtubules in the Family Trypanosomatidae. Major Adviser: Prof. F. G. Wallace.

Joseph Bertrand Eddy Nadeau, Chester Heights, Pa.

B.A. '59, Yale University. Major: Psychology. Minor: Child Psychology. Thesis: Religious Attitudes of Parents and Development of Moral Judgment in Children. Major Adviser: Prof. R. D. Wirt.

Harry Olson, Jr., Sauk Rapids

B.B.A. '45, B.S. '48, M.A. '57, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: Relationships Between Certain Personality Characteristics of Distributive Education Teacher-Coordinators and Job Satisfaction. Major Adviser: Prof. W. C. Meyer.

Mark Obed Jerome Olson, Boyd

B.A. '62, St. Olaf College. Major: Biochemistry. Minor: Organic Chemistry. Thesis: Chemical and Physical Studies on Concanavalin A, a Phytohemagglutinin from the Jack Bean, *Canavalia ensiformis*. Major Adviser: Prof. I. E. Liener.

Kyu Chang Park, Seoul, Korea

B.Chem. with distinction '59, University of Minnesota. Major: Inorganic Chemistry. Minor: Physical Chemistry. Thesis: Optical and Electrical Properties of Some Group IV Disulfides. Major Adviser: Prof. L. E. Conroy.

Gene Laurence Piché, St. Paul

B.A. '52, M.Ed. '59, Macalester College. Major: Speech, Communication, and Theatre Arts. Minor: Education. Thesis: Revision and Reform in the Secondary School. English Curriculum, 1870-1900. Major Adviser: Prof. D. K. Smith.

Donald Arthur Porter, Minneapolis

B.A. '58, University of Saskatchewan; M.S. '63, University of North Dakota. Major: Educational Administration. Minor: Supporting Program. Thesis: Factors Influencing Catholic High School Enrollment. Major Adviser: Prof. D. E. Davis.

Starling Worth Price, Minneapolis

M.A. '59, University of Minnesota. Major: American Studies. Thesis: Jack London's America. Major Advisers: Prof. M. Q. Sibley and Prof. B. R. Bowron.

Warren C. Price, Eugene, Ore.

B.A. '29, M.A. '38, University of Wisconsin. Major: Mass Communications. Minor: History. Thesis: The Eugene Register-Guard: Citizen of Its Community, 1867-1967. Major Adviser: Prof. Edwin Emery.

Robert Earl Reynolds, Ventura, Calif.

B.F.A. '49, Carnegie Institute of Technology. Major: Speech, Communication, and Theatre Arts. Minor: Supporting Program. Thesis: The History of Four Acting Companies in California Devoted to Producing Drama-For-The-Church. Major Adviser: Prof. F. M. Whiting.

Robert Elliott Ripley, St. Paul

B.A. '57, M.A. '61, University of Minnesota. Major: Educational Psychology. Minor: Child Psychology. Thesis: Traditional and Emergent Value Orientations of Teacher-Education Students. Major Adviser: Prof. W. H. Edson.

Bill Franklin Roberts, Lyons, Colo.

B.S. with distinction '61, M.S. '62, Colorado State University. Major: Economics. Minor: Supporting Program. Thesis: An Application of Dynamic Programming to Regional Economic Planning. Major Adviser: Prof. J. M. Hendersen.

Henry Milton Robertson, Tampa, Fla.

B.A. '42, University of Kentucky; M.A. '50, University of Minnesota. Major: American Studies. Thesis: The Genesis and Development of Student Personnel Work in American Higher Education. Major Adviser: Prof. D. W. Noble.

Merwin Gary Roeder, Kearney, Neb.

B.S. '50, University of Nebraska; M.A. '56, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Effect of Selected Stimuli on Isometric Effort. Major Adviser: Prof. R. J. Donnelly.

Siegfried Schach, Minneapolis

Dipl. '62, Free University of West Berlin. Major: Statistics. Minor: Mathematics. Thesis: Nonparametric Tests of Location for Circular Distributions. Major Adviser: Prof. R. J. Buehler.

Thomas George Scheller, St. Paul

B.A. '51, St. Paul Seminary; M.A. '60, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: A Study of the Academic Aptitude, Occupations, and Occupational Satisfaction of a Sample of Men with Low Intensity Interests. Major Adviser: Prof. Theda Hagenah.

Harold Scholten, St. Paul

M.S.F. '50, Purdue University. Major: Forestry. Minor: Botany. Thesis: Factors Affecting the Infection of Black Spruce (*Picea Mariana* Mill) Transplants by *Cylindrocladium Scoparium*. Major Adviser: Prof. F. H. Kaufert.

Ernst August Schwandt, Dortmund, Germany

B.A. '58, George Washington University; M.S. '60, Michigan State University. Major: Mathematics. Minor: Statistics. Thesis: Weight Vectors and Non-Analytic Automorphic Forms. Major Adviser: Prof. S. A. Gaal.

Muhammad Waheed-Uddin Siddiquee, Karachi, Pakistan

M.S. '60, University of Tennessee. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Direct Method of Lyapunov and Transient Stability Analysis. Major Adviser: Prof. E. B. Lee.

Hildegard Julia Siegel, Wauwatosa,
Wis.

B.S. in P.H. Nursing *summa cum laude* '61, Marquette University; M.P.H. '63, University of Minnesota. Major: Education. Minor: Public Health. Thesis: A Study of Professional Socialization in Two Baccalaureate Nursing Education Programs. Major Adviser: Prof. R. E. Eckert.

William Bud Silverman, Minneapolis

B.A. '61, M.A. '63, University of Minnesota. Major: Sociology. Minor: Political Science. Thesis: Religious Concern: An Essay in the Sociology of Religion. Major Adviser: Prof. Edward Gross.

Robert Anthony Stryk, St. Paul

B.Phys. with distinction '59, M.S. '62, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Helium-6 Production in Low Energy Lithium-7 Reactions. Major Adviser: Prof. J. M. Blair.

Enayat Mohammed Tewfik, Cairo,
Egypt, United Arab Republic

B.S. '57, Cairo University. Major: Biochemistry. Minor: Microbiology. Thesis: Genetic Homologies Among Actinomycetes. Major Adviser: Dr. S. G. Bradley.

Gary Thompson, Seattle, Wash.

B.A. '53, M.A. '55, State University of Iowa. Major: Speech Science, Pathology, and Audiology. Minor: Psychology. Thesis: Relationship of Performance on Selected Auditory Distortion Tests to the Discrimination of Speech Through Flat vs. Selective Amplifying Systems for a High-Frequency Hearing-Loss Population. Major Adviser: Prof. F. M. Lassman.

Yung Liang Tong, Taipei, Taiwan,
Republic of China

B.S. '58, National Taiwan University; M.A. '63, University of Minnesota. Major: Statistics. Minor: Mathematics. Thesis: On Partitioning a Set of Normal Populations by Their Locations with Respect to a Control Using a Single-Stage, a Two-Stage and a Sequential Procedure. Major Adviser: Prof. Milton Sobel.

Hyrum Grant Vest, Jr., Denver, Colo.

B.S. '60, M.S. '64, Utah State University. Major: Plant Pathology. Minor: Genetics. Thesis: Resistance in Flax to *Rhizoctonia solani* and the Effect of Heterokaryosis on Virulence. Major Adviser: Prof. N. A. Anderson.

Barbara Bond Wasson, St. Paul

B.A. *cum laude* '61, M.A. '63, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: The Effects of Achievement-Oriented, Academic Achievement, and Monetary Incentive on Expectancy of Success and Persistence at an Insoluble Task of Sixth Grade Boys. Major Adviser: Prof. M. C. Reynolds.

Harley Ronald Weber, South Bend,
Ind.

B.A. '57, University of Notre Dame; M.F.A. '60, University of Iowa. Major: American Studies. Thesis: Midwestern Farm Writing in the Late Nineteenth Century: A Study in Changing Attitudes. Major Adviser: Prof. J. C. Levenson.

Ching-Cheng Wei, Hsin-Chu, China

B.S. '60, National Taiwan University. Major: Chemical Engineering. Minor: Mathematics. Thesis: Studies of the Molecular Theories of Transport Processes in Dense Fluids. Major Adviser: Prof. H. T. Davis.

Andrew William White, Santa Fe,
N.M.

B.A. '42, De La Salle Normal School; M.A. '50, St. Mary's University. Major: Education. Minor: Educational Psychology. Thesis: An Analysis of Environmental Press Differences in Five Institutions Preparing Candidates for a Religious Teaching Order. Major Advisers: Prof. R. E. Eckert and Prof. G. M. Mork.

Anthony Francis Yapel, Jr., Soudan

B.A. '59, St. John's University. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: A Kinetic Study of the Imidazole Groups of a-Chymotrypsin and Several Derivatives Using the Temperature-Jump Relaxation Technique. Major Adviser: Prof. Rufus Lumry.

Kenneth Charles Zimmerman, Red
Wing

B.A. *cum laude* '57, M.A. '63, University of Minnesota. Major: Political Science. Minor: English. Thesis: The Political Thought of John Morley. Major Advisers: Prof. B. E. Lippincott and Prof. M. Q. Sibley.

Doctor of Philosophy in Surgery

Raymond Charles Bonnabeau, Jr.,
Valley Stream, Long Island, N.Y.

B.S. '55, Fordham University; M.D. '59, State University of New York. Major: Surgery. Minor: Pathology. Thesis: Studies with Atrioventricular Block in the Dog. Major Adviser: Dr. C. W. Lillehei.

Robert Lincoln Goodale, Jr., Minne-
apolis

B.A. '52, Princeton University; M.D. '56, Columbia Medical School. Major: Surgery. Minor: Physiology. Thesis: Bioengineering Studies of Gastric Freezing. Major Adviser: Dr. O. H. Wangensteen.

Academic Costume

On appropriate occasions, anyone with a college or university degree may wear academic costume consisting of a gown, a hood, and a cap. By observing the kind of academic costume a person wears, it is possible to know the name of the University from which he graduated, as well as the degree which he holds, and, in some cases, the field of his major interest as well.

The long pointed sleeve of the gown indicates a Bachelor's degree, the long closed sleeve with a slit for the arm indicates a Master's degree, and the open sleeve marks a Doctor's degree. Bachelors' and Masters' gowns are black in color and are without any trimming. Generally, the Doctor's gown is black also, but some universities, particularly those abroad, prescribe such festive colors as red, crimson, or green. All Doctors' gowns have velvet trimming on the front facings and crossbars on the sleeves. This trimming may be black, or it may match the color of the edging of the hood and thus identify the profession or field of major interest of the wearer.

At a commencement it is quite proper to wear the gown—but not the hood—appropriate for the degree *which is to be received*. The only hoods worn at commencements are for degrees which have already been received. Thus only those students and faculty members who have already received college or university degrees wear hoods. Anyone who has a degree from the University of Minnesota may wear a hood decorated with a maroon chevron on gold background. The length and shape of the hood indicates whether the wearer has earned a Bachelor's, a Master's, or a Doctor's degree. The velvet edging on the hood indicates the field in which the degree was granted. For example, dark blue signifies Philosophy; light blue, Education; green, Medicine; lilac, Dentistry; orange, Engineering; russet, Forestry; drab, Business; olive green, Pharmacy; purple, Law; gray, Veterinary Medicine; golden yellow, Science; and white, Arts and Letters.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidates are honor students.

Caps, generally mortarboards with tassels, have significance, too. The Doctor's tassel may be black or gold. Masters' and Bachelors' tassels are black; but at University of Minnesota commencements—upon the authority of the Senate Committee on University Functions—candidates for the Bachelors' and Associates' degrees wear tassels which indicate their schools or colleges by color as follows:

(In the order of march)

General College	crimson and white
College of Liberal Arts	white
University College	old gold and white

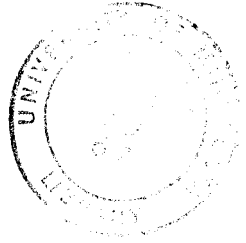
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize
College of Education	light blue
School of Business Administration	drab
College of Medical Sciences	green
Graduate School	black

But once the Bachelor's degree has been received and the commencement is over, the graduate, should he wear academic costume again, will wear only the black tassel as does the holder of the Master's degree. Similarly, he will not in the future wear the shoulder insignia as a part of his academic dress even if he is an honor graduate. All graduates of the University should remember that the academic dress at this University conforms to the rules of the Intercollegiate Bureau of Academic Costume. This means that Minnesota academic costume may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.

President's Reception

AUGUST, 1967

- The members of the graduating class, their families and friends, are invited to attend the President's Reception immediately after the commencement exercises. The Reception will be held on the Mall in front of Northrop Memorial Auditorium. In case of rain, the Main Ballroom of Coffman Memorial Union will be used. Refreshments will be served.
- Those in the receiving line will be Vice President and Mrs. Shepherd; Dr. Bellows; Dr. and Mrs. Thompson; Mr. and Mrs. Hardell; and Mr. Joseph M. Kroll, Vice President of the Coffman Union Board of Governors.
- During the Reception, Mrs. Whipkey will play a Carillon Concert.
- Assisting in the Reception are students and staff members, including those from the Senate Committee on University Functions, the Army ROTC, Gamma Sigma Sigma-Social Service Sorority, and the Department of University Relations.



UNIVERSITY OF MINNESOTA

December Commencement, 1967

SATURDAY EVENING, DECEMBER 16, 7:30 P.M.

NORTHROP MEMORIAL AUDITORIUM

The Board of Regents

The Honorable Lester A. Malkerson, Minneapolis
First Vice President and Chairman

The Honorable Marjorie J. Howard (Mrs. C. Edward), Excelsior
Second Vice President

The Honorable Elmer L. Andersen, St. Paul

The Honorable Daniel C. Gainey, Owatonna

The Honorable Albert V. Hartl, Fergus Falls

The Honorable Herb L. Huffington, M.D., Waterville

The Honorable Fred J. Hughes, St. Cloud

The Honorable Charles W. Mayo, M.D., Rochester

The Honorable William K. Montague, Duluth

The Honorable George W. Rauenhorst, Olivia

The Honorable Otto A. Silha, Edina

The Honorable Herman F. Skyberg, Fisher

Dr. Malcolm Moos, President

Dr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

SMOKING AND USE OF CAMERAS AND RECORDERS—It is requested, by action of the Board of Regents, that in Northrop Memorial Auditorium smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms. The use of cameras or tape recorders in the auditorium by members of the audience is prohibited.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and sixteenth birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the young people of today to become the leaders of tomorrow. Each year our graduates leave our campuses to add new skills and knowledge to the existing resources of our State. They have been trained here as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, farmers, businessmen—to name only some of the careers for which preparation is offered. Since its founding, the University has awarded more than 199,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to nearly 44,000 students annually on its Twin Cities, Duluth, Morris, Crookston, and Rochester campuses, the University offers, through its Schools of Agriculture and its General Extension Division, specialized training designed to assist those who wish to study on a part-time basis. It offers further educational opportunity throughout the State by providing county agents, home agents, 4-H club agents, and recreation and health consultants who give effective instruction to residents of the State in their own homes.

In the diversified research laboratories on the University's six campuses, at the several agricultural experiment stations scattered throughout the State, at the Rosemount Research Center, the Cloquet Forest Research Center, the Cedar Creek Natural History Area near Bethel, the Fruit Breeding Farm and the Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, and the Hormel Institute at Austin, and at the University Hospitals, University scientists are working on countless research experiments of vital importance to the future health and welfare of us all. These projects, of which only a few are mentioned here, are concerned with cancer, heart surgery, taconite, gamma irradiation, cheese making, teacher training, municipal government, school surveys, and development of new varieties of grains, fruits, and flowers.

THE UNIVERSITY is acknowledged to be the cultural hub of the Northwest. It is the home of the University Artists Course, Radio Station KUOM, the University of Minnesota Television Hour, the University Theatre, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings renowned artists and lecturers to more than a million and a half persons living in the area it serves.

The people of Minnesota are proud of their University, not only because it is one of the leading state universities in the nation, but also because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in the University is a dynamic thing and expresses itself in many ways. Contributions from them have made it possible for the Variety Club Heart Hospital and the great Mayo Memorial Building to be constructed. Through the American Legion and its auxiliary posts

all over the State, thousands of friends have made generous donations to provide an endowed research professorship in heart disease. Generous contributions have built the Masonic Memorial Hospital, the Veterans of Foreign Wars Cancer Research Center, and Diehl Hall (which houses the bio-medical library and additional medical research facilities).

Equally generous have been the contributions made by corporations, associations, foundations, trade unions, clubs, and individuals, whose tireless efforts have made hundreds of scholarships and fellowships available to promising students each year. Chiefly because of financial difficulties, only one-half of the State's high school graduates of marked ability enter any college or university. Friends and supporters of the University, recognizing the need to alleviate this situation, continuously try to increase the number of scholarships and the amount of money available for scholarship assistance.

As it meets the needs of present students, the University must also make plans for those of the future. The 43,997 students who enrolled at the University at the beginning of the 1966-1967 academic year represented nearly one-half of Minnesota's college-level enrollments. They underline the fact that there are limits to the University's physical capacity. Future enrollments must be adjusted to those limits. In the fall of 1965, for the first time in its history, the University instituted an admissions policy based on controlled growth of total enrollment. This change in admissions requirements held the 1966-1967 enrollment to about 44,000 students. It reflects the University's need for more teachers, more land, more buildings. And it makes plain the University's determination to maintain the educational quality that has made it one of America's leading educational institutions.

THE 1967 LEGISLATURE granted the University \$110,893,275 for general operations and maintenance during the 1967-1969 biennium. In addition, the University received \$9,401,100 for University Hospitals; \$9,883,460 for special appropriations, including special extension and research activities; \$22,739,346 for new buildings, land, and the rehabilitation of existing buildings; and \$955,000 for the University of Minnesota Technical Institute, Crookston.

Each year the University publishes and widely circulates a summary financial statement, which is available to anyone upon request, as is a much more comprehensive and complete statement for those who wish to make a special study of the University's income and expenditures.

The summary financial statement of 1965-1966 showed that the University's current income and expenditures amounted to \$150,738,945.58. Of the total received, \$15,647,291.27 came from student tuition and fees; \$20,023,300.63 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theatre receipts and the sale of bulletins and agricultural products; \$1,673,200.41 from intercollegiate athletics; \$21,659,432.05 from such services as the dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, and the Health Service; and \$7,937,650.10 from corporations, foundations, individuals, and endowment income for instruction, research, prizes, scholarships, and the care of the sick. Also \$34,462,190.42 came from the federal government for instruction, research, and agricultural extension. The State provided \$49,335,880.70 or 32.7 percent of the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$13,814,966.

COMMENCEMENT marks only the conclusion of the individual's academic life at the University. As a graduate, he contributes to its history and participates in its aspirations. Alumni are urged to continue their affiliation with the University through the Minnesota Alumni Association and its college groups. Also, support is urged for the University of Minnesota Alumni Fund, administered in the Alumni Office in Coffman Memorial Union, and the Special Projects Program, which includes scholarships, medical and technological research, and college service funds, administered by the Department of University Relations, Morrill Hall.

Alumni, their families, and their friends are always welcome here. The University hopes they will return frequently to visit the campus and to renew cherished ties.

Order of Events

ASSEMBLING OF THE AUDIENCE: As degree candidates and their friends and families reach the Twin Cities Campus of the University this evening from 6:45 to 7:15 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mr. William J. Cermak, Graduate Student, University Carillonneur. Admission to the December Commencement exercises is by guest card only. Guests will be seated as they arrive and will remain seated until the colors are presented.

THE COMMENCEMENT ON TELEVISION: The entire Commencement this evening is being televised, live, through the cooperation of the Minnesota Educational Television Network, and will be seen in the Twin Cities area over KTCA-TV, Channel 2; in the Duluth area over WDSE-TV, Channel 8; in Morris and West Central Minnesota over KWCM-TV, Channel 10; and in the Fargo-Moorhead area over KFME-TV, Channel 13. The Commencement address will be broadcast at 1:30 p.m., Monday, December 18, over Radio Station KUOM, 770 AM.

ORGAN PRELUDE: From 7:00 to 7:30 p.m., Professor of Music and University Organist Heinrich Fleischer, Ph.D., will play.

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 7:30 p.m., Professor William C. Rogers, Ph.D., General Extension Division, Faculty Marshal, will carry the Mace into the Auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal Rogers, as Mace-bearer, will present the Mace at the center of the stage. When all of those marching have taken their seats, he will put the Mace on the table to signal the beginning of the ceremony. During the procession, Professor Fleischer will play:

Prelude and Fugue in G Minor Buxtehude

ON THE STAGE: The curtain will be opened when the Mace-bearer enters. Seated on the stage, from left to right, are Marshal Rogers; Professor Howard F. Nelson, Ph.D., College of Education, Marshal; Recorder W. Donald Beatty, Ph.D., Admissions and Records; The Reverend Carl C. Caskey, B.D., Campus Minister of the Wesley Foundation on the Minneapolis Campus; Colonel William D. Beard, U.S.A., Professor of Military Science; Professor Frank E. DiGangi, Ph.D., College of Pharmacy; Assistant Dean Mellon R. Holland, M.S.D., School of Dentistry; Associate Dean Stanley B. Kegler, Ph.D., College of Education; The Honorable Otto A. Silha, Regent of the University of Minnesota; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; The Honorable Herb L. Huffington, M.D., Regent of the University of Minnesota; Dean

E. W. Ziebarth, Ph.D., College of Liberal Arts; Vice President Laurence R. Lunden, LL.D., Business Administration; The Honorable Lester A. Malkerson, Chairman, Board of Regents; Vice President Stanley J. Wenberg, M.A., Educational Relationships and Development; Mr. Paul N. Ylvisaker, Ph.D., Commissioner of Community Affairs for the State of New Jersey; President Malcolm Moos, Ph.D., University of Minnesota; Vice President William G. Shepherd, Ph.D., Academic Administration; The Honorable George W. Rauenhurst, Regent of the University of Minnesota; Dean Bryce Crawford, Jr., Ph.D., Graduate School; The Honorable William K. Montague, Regent of the University of Minnesota; Mr. Albert H. Heimbach, B.B.A., President of the Minnesota Alumni Association; Dean Robert B. Howard, M.D., College of Medical Sciences; Dean Alfred L. Vaughan, Ph.D., University College; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Assistant Dean Norman W. Moen, Ph.D., General College; Associate Professor John A. Goodding, Ph.D., College of Agriculture, Forestry, and Home Economics; Associate Professor Glen O. Robinson, LL.B., Law School; Captain James M. Marshall, U.S.N., Professor of Naval Science; Captain David J. Martinson, U.S.A.F., Assistant Professor of Aerospace Studies; Professor Roy A. Schuessler, M.M., College of Liberal Arts; Professor Henry J. Griffiths, Ph.D., College of Agriculture, Forestry, and Home Economics, Marshal; Associate Dean Theodore E. Kellogg, Ph.D., Admissions and Records, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University Army, Navy, and Air Force ROTC Cadets and Midshipmen, enters the Auditorium, the audience will rise and will remain standing for the National Anthem and for the Invocation.

THE NATIONAL ANTHEM: The entire audience and Professor Schuessler.

O, say! can you see, by the dawn's early light,
What so proudly we hail'd at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watch'd were so gallantly streaming?
And the rockets' red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
O, say, does that star-spangled banner yet wave
O'er the land of the free and the home of the brave?

INVOCATION: Mr. Caskey.

SPEAKING FOR THE UNIVERSITY: President Moos.

COMMENCEMENT ADDRESS: Dr. Ylvisaker.

CONFERRING OF ROTC CERTIFICATES: Vice President Shepherd will introduce Colonel Beard, Captain Marshall, and Captain Martinson, who will present the candidates for commissions in their respective services. Letters of ROTC completion will be presented by President Moos.

PRESENTATION OF CANDIDATES: Vice President Shepherd will introduce the deans of the several colleges or their representatives who will present to President Moos the candidates for certificates and degrees. They are, in order of their introduction, Assistant Dean Moen for the General College; Dean Ziebarth for the College of Liberal Arts; Dean Vaughan for the University College; Acting Dean Verbrugge for the Institute of Technology; Associate Professor Goodding for the College of Agriculture, Forestry, and Home Economics; Associate Dean Kegler for the College of Education; Dean Grambsch for the School of Business Administration; Professor DiGangi for the College of Pharmacy; Associate Professor Robinson for the Law School; Assistant Dean Holland for the School of Dentistry; Dean Howard for the College of Medical Sciences; Dean Crawford for the Graduate School.

CONFERRING OF DEGREES: President Moos will confer certificates and degrees upon the members of this graduating class.

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Mr. Heimbach.

PRESENTATION OF DIPLOMAS: With Vice President Wenberg presiding, members of the December graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: President Moos will confer the degrees upon the candidates. As each new Doctor of Philosophy is invested with his academic hood, he will be presented individually by Dean Crawford.

HAIL! MINNESOTA: The University's Alma Mater song, sung by the audience and Professor Schuessler, soloist.

Minnesota, hail to thee!	Like the stream that bends to sea,
Hail to thee, our college dear!	Like the pine that seeks the blue,
Thy light shall ever be	Minnesota, still for thee
A beacon bright and clear;	Thy sons are strong and true;
Thy sons and daughters true	From thy woods and waters fair,
Will proclaim thee near and far;	From thy prairies waving far,
They will guard thy fame	At thy call they throng
And adore thy name;	With their shout and song,
Thou shalt be their Northern Star.	Hailing thee their Northern Star.

POSTLUDE: Professor Fleischer, organist.

Allegro in F MajorBach

THE AUDIENCE is requested to remain seated until those in academic costume have left the Auditorium.

(Immediately following these exercises, all members of the audience are invited to attend the President's Reception which is described on the back cover of this program.)

Candidates for Commissions

Subject to the completion of all curriculum requirements at the close of the fall quarter, commissions will be presented to those listed below and to such others as may meet the requirements for the Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Artillery

Charles J. Streiff, Minneapolis

Second Lieutenant, Finance Corps

Victor J. Newinski, Minneapolis

Second Lieutenant, Infantry

John V. Bjornlie, Minneapolis

James A. Brezovec, St. Paul

Second Lieutenant, Ordnance Corps

Bruce L. Homme, Minneapolis

Second Lieutenant, Transportation Corps

Jeffrey V. Hulting, Minneapolis

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

James H. Robinson, Delmar, N.Y.

Don L. Tilseth, Minneapolis

Jon F. Silverberg, Minneapolis

Ensign, CEC, USN

Robert R. Copeland, Minneapolis

DEPARTMENT OF AEROSPACE STUDIES

Second Lieutenant, USAF Reserve

John H. Burch, Cannon Falls

David V. Gustafson, Jr., Savage

John C. Kelly, Minneapolis

Thomas G. Neutzling, St. Cloud

Robert G. O'Malley, St. Paul

Vladimir Tkach, Minneapolis

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of fall quarter, degrees will be conferred as indicated on those listed below and upon such others as may meet the graduation requirements.

GENERAL EXTENSION DIVISION

Business Administration Certificate

Carolee J. Larson, Minneapolis

Engineering Science Certificate

Michael G. Golden, Waseca

Fellow in Management of Administrative Services Certificate

Ronald F. Brandon, Minneapolis

GENERAL COLLEGE

Associate in Arts

Timothy Michael Agness, Minneapolis

Robert Ward Allison, Jr., Minneapolis

John Edward Anderson, Minneapolis

Luverne Erik Anderson, Minneapolis

Nancy Fleurette Anderson, Minneapolis

Robert Walters Anderson, Minneapolis

Roger Ivar Anderson, St. Paul

Raymond Robert Arsenault, St. Paul

Charles Frederick Audette, Minneapolis

John Thomas Avaloz, St. Paul

Terrance Clifford Baker, St. Paul

Gerald Anthony Ballot, Minneapolis

Paul N. Bartl, South St. Paul

Ronald Dean Becker, St. Paul

Joseph John Bednar, Minneapolis

David Phillip Benenson, St. Louis Park

John Berman, Minneapolis

Charles Evan Bernath, St. Paul

Colette Helen Biros, Minneapolis

Terrence Bruce Bjorklund, Minneapolis

Larry Eugene Blagrove, Excelsior

Bruce Raymond Bodin, St. Paul

Judith Diane Braun, St. Paul

Carol Jean Brings, St. Paul

Jerome Emil Brustuen, New Brighton

Hubert LaVann Bryan, Jr., Penn Hills, Pa.

Ellice Hope Burns, Minneapolis

Jeffrey Noel Cadwell, Bloomington

Ronald Clifford Carlson, Rosemount
 Ann Zahn Chelberg, Hopkins
 Roger Lynn Christopherson, Minneapolis
 Judith Anne Clayton, Robbinsdale
 Kenneth Brian Colclasure, Hill City
 Wayne Alan Cook, St. Louis Park
 Richard Ernest Copeland, St. Louis Park
 Gary Phillip Cormican, St. Paul
 Elizabeth Anne Cozatt, Minneapolis
 Carol Ann Cunningham, Hopkins
 Edward Arthur Cunnington, Minneapolis
 Lael Marie Cusick, St. Paul
 Gail Susan Darling, Minneapolis
 Thomas Anthony DeBiaso, Minneapolis
 Michael David Del Castillo, St. Paul
 Robert J. Denison, Minneapolis
 David Melvin Denneson, Minneapolis
 Jeanne Frances Dillon, Minneapolis
 Richard A. Dunn, Minneapolis
 Dennis Patrick Earley, Minneapolis
 Gary William Ekman, Minneapolis
 Karl Fredrick Eldevik, Shevlin
 Clyde Wayne Ellingwood, Edina
 Leon Sherwood Emmons, Emmons
 Kenneth Helmer Erickson, South St. Paul
 Steven Allen Feldman, St. Louis Park
 Clinton Fisk Firstbrook, Bloomington
 Dean Wilbur Fisher, Minneapolis
 Stephen Arthur Flygare, Minneapolis
 Susan Leone Forbes, Minneapolis
 Wendy Jo Frank, Hopkins
 Sheila Ann Frawley, Minneapolis
 Michael Edward Freeman, Minneapolis
 John Raymond Fuerst, St. Paul
 David Joseph Genosky, Minneapolis
 Bruce William Glatzel, Bloomington
 Patric Michael Graham, Crystal
 Richard Raymond Greenberg, St. Paul
 Simon David Grosblat, St. Louis Park
 Bonita Ann Hartman, Minneapolis
 Douglas Arnold Hauger, Minneapolis
 Paul William Heath, Minneapolis
 John Mark Hegstrom, Montevideo
 Russell Eldon Hendel, Minneapolis
 Margaret Joan Higgins, Minneapolis
 William Vadim Hillebrand, Minneapolis
 Bruce Allen Hixson, Minneapolis
 Michael Joseph Hlavac, Hopkins
 Betty Ellen Hodge, Minneapolis
 Peggy Ann Hofbauer, St. Paul
 Karen Regina Hoff, St. Paul
 Carroll Franklin Holley, Jr., Bloomington
 Thomas Michael Homa, Minneapolis
 Arthur William Hortenbach, Minneapolis
 Robert Arthur Hotzfield, Minneapolis
 Shirlee Flakne Hueser, Minneapolis
 Thomas Arthur Hurst, St. Paul
 Michael George Jalma, Minneapolis
 John Jaroslowski, Minneapolis
 William Kenneth Jefferson, St. Paul
 David Harold Johnson, Minneapolis
 Richard Dennis Johnson, Minneapolis
 Thomas John Jones, Minneapolis
 Robert Allen Kaye, St. Louis Park
 Rosann M. Kennedy, St. Paul
 William Michael Keogh, Minneapolis
 Kathleen Louise Kiesner, Edina
 Richard Gordon Kobernat, St. Paul
 Sandra Marie Kokesh, Minneapolis
 James Stanley Koska, Minnetonka
 Westley John Lagerbauer, Pipestone
 Charles Edward Landberg, Long Lake
 Stephen Jay Lang, Minneapolis
 Thomas Edward Lee, St. Paul
 Jeffrey Russell Lind, St. Paul
 Donald William Lindall, Alexandria
 Kirk Hull Lindgren, White Bear Lake
 Patricia Ann Loftus, St. Paul
 Robert LeRoy Lund, Minneapolis
 Mark Steven Lundquist, Richfield
 Richard Paul Lutes, Richfield
 Joseph Michael Magda, Robbinsdale
 John Andrew Malinsky, Richfield
 Robert Arthur Mallory, Jr., Minneapolis
 Pamela Ann Marks, St. Paul
 Orla Jane Martin, Montevideo
 Orville James Martin, Montevideo
 Patricia Ann Martinson, St. Paul
 James Arthur Mase, Excelsior
 Lynton Glen Mattson, Minneapolis

David Arthur McKeen, St. Paul
 Donald Bruce McRaven, Jr., Minneapolis
 Daniel Lee Medin, Minneapolis
 Elaine Michael, St. Paul
 Michael Owen Miller, West St. Paul
 Myroslava Mocio, Minneapolis
 Daniel Joseph Molitor, Minneapolis
 John Kelly Moorhead, Edina
 Allan Alden Moran, Mound
 Thomas Hans Morken, White Bear Lake
 Margaret Mary Moskalik, Minneapolis
 Timothy John Mulcahy, Minneapolis
 Charles John Murlowski, Minneapolis
 William James Murphy, South St. Paul
 Kenneth Charles Nelson, Minneapolis
 Patricia Louise Nelson, St. Paul
 Steven Harry Nelson, Richfield
 Jeffrey Raymond Newstrom, Minneapolis
 Dan Arthur Northrop, St. Paul
 Keith Dennis Nyman, Minneapolis
 David Jon Olmstead, Minneapolis
 Kenneth Douglas Olsen, Robbinsdale
 Beverly Kay Olson, Aitkin
 Edward Eugene Olson, Bloomington
 Leon Raymond Olson, St. Paul
 Robert Wayne Olson, Minneapolis
 Richard Charles Pahl, St. Paul
 Jeffery Lynn Paul, Hopkins
 William Francis Peltier, St. Paul
 Mark John Peterson, Minneapolis
 Terrance E. Polfuss, St. Paul
 Peter Victor Prasky, Minneapolis
 William Roy Prentiss, Minneapolis
 Robert Joseph Prifrel, St. Paul
 Keith Wayne Quammen, Long Lake
 Jeffrey Craig Radermacher, Bloomington
 Patricia Marie Reeve, Minneapolis
 Evelyn Jane Repetowski, Minneapolis
 Gene Paul Riesenber, St. Louis Park
 Lawrence Noel Roden, Elk River
 Thomas Theodore Scheiderich, Minneapolis
 Jane Frances Schiltgen, St. Paul
 Janet Irene Schuna, St. Paul
 Richard Alan Seel, Minneapolis
 Cassandra Rae Seifert, Minneapolis
 Michael Allen Selnick, Minneapolis
 Terrance Michael Shannon, Minneapolis
 Richard Louis Sherwood, Bloomington
 Jill Diane Shink, Minneapolis
 Greg Arthur Sideras, Minneapolis
 Kenneth Bennett Simonson, Minneapolis
 David Carl Smith, Minneapolis
 James Michael Smith, Minneapolis
 Thomas Hamilton Smullen, Jr., Minneapolis
 Steven Otto Sorbel, Minneapolis
 Jeanette Sorrells, Minneapolis
 Diane Elaine Spievak, St. Paul
 Carol Anne Stasny, St. Paul
 Peter Jarl Swendner, St. Paul
 Brian John Taaffe, Minneapolis
 Bruce Allan Tamte, Minneapolis
 Carl Bruce Taylor, Pensacola, Fla.
 Robert Joseph Taylor, Minneapolis
 Kay Lynn Tedomonson, Richfield
 David Peter Thatcher, West St. Paul
 Walter Joseph Theis, St. Paul
 Sandra Lee Tigue, Minneapolis
 William Mark Toles, Minneapolis
 Robert Edward Twistol, Bloomington
 Joyce Ann Uhler, Minneapolis
 Michael Patrick VanGuilder, St. Paul
 Jane Marie Varian, Minneapolis
 Richael Raymond Voss, White Bear Lake
 James Jay Wagle, Richfield
 Holly A. Weber, Minneapolis
 Blair Nelson Weimer, Minneapolis
 Maryanna Weirick, West St. Paul
 Kermit Charles Wellman, Anoka
 Richard Lee Westby, Burnsville
 Gail Jean Wikre, St. Paul
 Roy Lee Willett, St. Paul
 James Jay Wilson, Stillwater
 Leonard Edward Witz, Columbia Heights
 Glenn Orlando Wuetherich, Norwood
 David John Yorks, Minnetonka
 Mary Jane Zappia, Minneapolis
 Gary Adams Zick, St. Paul

COLLEGE OF LIBERAL ARTS

Associate in Liberal Arts

Richard Arthur Anderson, St. Louis Park	Betty Jeanne Lommen, St. Paul
Diana Jane Bauer, St. Paul	Sue Ann Lowinske, Burnsville
Judith Kay Chazen, Minneapolis	Elizabeth Ann McCarvill, Richfield
Sanford Harry Cohen, Minneapolis	John Michael Pickler, Hopkins
James Joseph Donna, Minneapolis	Gilbert William Pitt, Coronado, Calif.
Arnold Dennis Erickson, Minneapolis	Wyn Ann Latchaw Plocher, White Bear Lake
Margaret Jean Fleetham, Minneapolis	Delores Kay Salter, Anoka
Brian Curtis Gilbertson, Minneapolis	John Dennis Skildum, St. Paul
Carol Marie Helstedt, Minneapolis	Peggy Sue Tanick, Minneapolis
Linnea Rae Hoppenrath, Minneapolis	Michael William Wald, Minneapolis
Ronald Toivo Johnson, Minneapolis	Gary Michael Zechmeister, South St. Paul
Barbara Anne Kelly, Bettendorf, Iowa	
Leslie Phillips Livingston, Minneapolis	

Bachelor of Arts

Honors citations are provisional and will not become final until all requirements are met for the level indicated

Phyllis Adelle Ackerman, Minneapolis, <i>CUM LAUDE</i> , Mathematics	John Virgil Bjornlie, Richfield
Anthony Aloysius Ackermann, A.L.A., St. Paul	Leanna Rae Bloomquist, Minneapolis
John Guinney Adams, Richfield	James Alvin Brezovec, St. Paul
Mark Lee Alch, Minneapolis	David Lee Brodigan, Minneapolis
Jane Elizabeth Anderson, Minneapolis	James Brian Bucher, Minneapolis
Stephen Christian Anderson, Cloquet	Billy David Burke, Des Moines, Iowa
Yvonne Ronich Anderson, New Brighton, <i>CUM LAUDE</i> , Sociology	David Ray Burkholder, Stillwater
Joanne Maureen Angst, New York, N.Y.	David Arthur Burleigh, Litchfield
Susan Ressler Arvanitis, St. Paul	Richard Otto Burmeister, Jr., St. Paul
John William Ashman, Minneapolis	Terry Allen Caine, Minneapolis
Delbert Bahr, Bemidji	Lowell Ann Callender, Mahtomedi
Terry George Barrett, Minneapolis	Beverly Ann Carlson, Bloomington
Stephen Nye Barton, Minneapolis, <i>MAGNA CUM LAUDE</i> , Speech	Steven Lee Carlstrom, Mankato
Carol Ann Baumann, St. Paul, <i>CUM LAUDE</i> , Mathematics	Patricia Lee Carpenter, Houston
Alan Donald Bennyhoff, Robbinsdale	William Allen Carter, St. Paul
Constance Marie Beutel, St. Paul	Karen Ann Cavanaugh, Plainview
Jerry Eugene Bevan, Chisago City	Mark Harold Chommie, Thief River Falls
	Martha Naomi Anderson Cobb, St. Paul
	Eileen Margaret Connor, St. Louis Park
	Jack Unger Dean, Minneapolis
	John Wallace Diers, Bloomington

Jane Antoinette Marks Dray, Minneapolis
 Larry Allen Dunham, Bloomington
 Sandra Lee Engblom, Robbinsdale
 Sally Louise Brassard Fahey, St. Paul
 Riva Feigenbaum, Silver Spring, Md.
 Carolyn Rose Fellman, Minneapolis
 Mark Craven Fellner, Minneapolis
Judith Ann Ferguson, Minneapolis,
 MAGNA CUM LAUDE, Spanish
 Frederick Earl Finch, Hopkins
 Pauline Rae Glenn Fleming, Minneapolis
Karin Elizabeth Ringheim Focht,
 Mahtomedi, CUM LAUDE,
 Psychology
 Natalie Frances Fortier, Little Falls
 Lawrence Wilfred Frank, Olivia
 Constance Thompson Fryberger,
 Hot Springs, Ark.
 Norman Henry Geiger, Madelia
 Sydnie Anne Gerard, Bloomington
 Richard Arthur Gerberding, Wayzata
 John Loren Gilchrist, Glenwood
 Richard Arthur Gilleland, Lincoln,
 Neb.
 Thomas Mark Grossman, Minneapolis
 Cathy Ann Ripley Groth, Luverne
 Barbara Joan Keane Gunther, Trenton,
 N.J.
 Georgene Lou Hahn, St. Louis Park
 Arlene Ellen Pervier Hakel, Lauderdale
 Dixon Johnson Halcrow, Drayton,
 N.D.
 Joan Louise Halgren, Minneapolis
 Patrick Alden Halloran, Minneapolis
 David Edward Hanke, Minneapolis
David Lee Hanson, St. Cloud, SUMMA
 CUM LAUDE, without departmental
 designation
 Lynne Frances Hardey, Minneapolis
 Patricia Louise Harris, G.D.H., Minneapolis
 Roylene Ann Champeaux Hartman,
 Cloquet
 John Wesley Hebert, Osseo
 Cheryl Anne Hegg, Togo
 Robert James Heimke, Minneapolis
 Jill Elizabeth Heinbockel, Edina
 Bruce Howard Hinrichs, Minneapolis
 Ramona Marie Holloway Hoffman,
 St. Cloud
 Joanne Marie Kalar Hofstrand,
 Minneapolis
 Michail Barry Horovitz, St. Louis
 Park
 Patricia Sharon Hubert, St. Paul
 Jeffrey Vincent Hulting, Richfield
 Mary Irgens, Minneapolis
 Randina Ellen Jensen, St. Paul
 Richard Prahm Jensen, A.A., White
 Bear Lake
 Sharon Mary Jerzak, Marshall
 Bruce Arnold Johnson, St. Paul
 Judith Georgia Johnson, Sidney,
 Ohio
 Lois Janet Johnson, Princeton
 Mona Corrine Johnson, St. Paul
 Peter Michael Johnson, Minneapolis
 Gayla Jeanne Kaibel, Minneapolis
 Joseph Ray Kasner, Minneapolis
 Russell Clifford Kedrowski, Minneapolis
 John Clifford Kelly, Minneapolis
 Sherrie Dee Kennard, Minneapolis
 Francis John Kern, St. Paul
 James Willard Kern, Rochester
 Sara Jane Ketcham, Howard Lake
 Robert Harry Kiefer, Minneapolis
 Henry Thomas Kimble, Minneapolis
 Robert Edward Kirkeeide, B.B.A.,
 Minneapolis
 Barbara Joan Knight, Minneapolis
 Katherine Anne Knudson, Sebeka
 Karen Anita Koeppe, Waverly
 Al Robert Konigson, Minneapolis
 Barbara Wood Krabek, St. Paul
 Duane Lester Kratz, Stillwater
 Carole Ann Forsberg Krueger, Thief
 River Falls
 David Owen Kubiatoiwicz, St. Paul
 James Frederick Erick Kubiatoiwicz,
 Rochester
 James Elwood Kvam, Benson
 Carol Elizabeth Ladwig, A.L.A.,
 Minneapolis
 Jeanine Ione Lamoureux, Bemidji
 Donna Jean Wyeth Larivee, A.L.A.,
 Minneapolis
 John David Larsen, Albert Lea
 Robert Carl Larson, Minneapolis

John Kenneth Kai-Yee Lau, Hong Kong
 Leslie Ann Hart Lawrence, New Brighton
 Monroe Ross Levie, St. Louis Park
 Nancy Kay Lexvold, Minneapolis, *SUMMA CUM LAUDE, Psychology*
 Thomas James Lind, St. Paul
 Jonathan Harry Liss, St. Louis Park
 Donald Melvin Longlet, St. Paul
 Carol Ann Lueben, Morgan
 James Ma, Hong Kong
 Cheryl Jean Marolt, Hibbing
 Karl Thomas Martinsen, Minneapolis
 James Irving McCann, Minneapolis
 Sharon Lee Slonski McCullough, Richfield
 James Clayton McKinney, Wayzata
 Kathryn Jean McLellan, Minnetonka
 Anthony Joseph Minnichsoffer, Franconia
 Miriam Shulamith Mintz, Minneapolis
 Kent Douglas Molde, Milan, *SUMMA CUM LAUDE, without departmental designation*
 Marta Louise Monkkonen, Minneapolis
 Craig Dwight Moon, Minneapolis, *MAGNA CUM LAUDE, Psychology*
 Erle Patrick Moore, Minneapolis, *CUM LAUDE, without departmental designation*
 Cynthia Susan Morris, Minneapolis
 William Robert Morris, Minneapolis
 Kent Fredrick Morton, St. Louis Park
 Calvin Stapleford Mowrey, Virginia
 Diane Joy Mross, A.A., Rochester
 Donald Fred Mull, Hoyt Lakes
 William Allison Neiman, Minneapolis
 Marion Dolores Tiede Nelson, Le Center
 Howard Allan Neren, St. Paul
 Brian Francis Nicol, Minneapolis
 Daniel George Niess, Morningside
 George Henry Noren, Jr., Robbinsdale
 Kathleen Agnes O'Loughlin, Minneapolis
 Bonnie Dee Olsen, Minneapolis
 Janet Marie Olsen, St. Paul
 Robert William Olson, Minneapolis
 Monica Foltarz Olszewski, Tampa, Fla., *MAGNA CUM LAUDE, Chemistry*
 Nancy Kaye Grussing Ominsky, Minneapolis
 Janet Ann Orvedahl, Minneapolis
 Douglas Charles Otte, Lexington
 Bruce Milton Pearson, Aitkin
 Mary Ann McFadden Pearson, St. Paul
 Catherine Valerie Peterson, Minneapolis, *CUM LAUDE, English*
 Joyce Ann Jounquist Peterson, Minneapolis
 Ronald Curtiss Peterson, Minneapolis
 John Michael Pickler, Hopkins
 Thomas Erwin Ramsey, White Bear Lake
 Stephen John Ramstad, Minneapolis
 Kathleen Jeanne Regan, Minneapolis
 Bruce Albert Reinhardt, Minneapolis
 Richard Louis Ripley, Edina
 Sharan Jeanne Risvold, Minneapolis
 Stephen Bruce Rosenthal, St. Paul
 Thomas Charles Rudquist, St. Paul
 David John Sanville, A.A., Wayzata
 Alma Jean Sandbo Satran, Tracy
 Kenneth Robert Schelper, Edina
 Wesley Willard Schmalz, Buffalo Lake
 Monica Louise Schmitz, Minneapolis
 James Charles Schrantz, Cottage Grove
 Gordon Gregory Schultz, Worthington
 Richard Henry Schumann, North St. Paul
 Susan Elizabeth Schwalm, Minnetonka
 Karl Herman Schwarzkopf, Minneapolis, *MAGNA CUM LAUDE, Psychology; CUM LAUDE, Philosophy*
 Kathryn Ann Redding Sciortino, Minneapolis
 William John Seaton, Anoka
 Allan Richard Seck, Robbinsdale
 David George Seemann, Minneapolis
 Joseph Cass Selden, Mahtomedi
 David Albert Sherman, Winsted

James Zandell Skildum, St. Paul
 Claricy Ann Smith, Cass Lake
 David Prestley Smith, St. Paul
 Patricia Lynn Custer Smith, St. Paul
 Gwendolyn Michelle Cohen Snitz,
 Minneapolis
 Christian Richard Snoeyenbos, Edina
 Robert Edward Snook, Hopkins
 John Taito Soine, Minneapolis
 Thomas Joseph Spoden, Minneapolis
 Linda Marie Erlandson Sprague, Min-
 neapolis
 Lawrence James Stava, Minneapolis,
 MAGNA CUM LAUDE, Psychology
 Joseph Henry Stinchfield, St. Paul
 Howard Eugene Stone, St. Paul
 Richard Christian Stout, A.A.,
 Bayport
 Jane Lee Strokirk, St. Paul
 Bruce Alan Swenson, Minneapolis
 Thomas Joseph Swoboda, Minne-
 apolis
 Loretta Taple, St. Paul
 Linda Elizabeth Tetrud, Golden
 Valley
 Michael William Tezla, Duluth
 Jane Resh Thomas, Minneapolis,
 SUMMA CUM LAUDE, English
 Jon Philip Thorstenson, Pelican
 Rapids
 Emeli Thoumi, Minneapolis
 Charles Edward Tralle, Bloomington

Joseph James Trombley, Minneapolis,
 SUMMA CUM LAUDE, Psychology
 Anne Marie Rimdal Turner, Minne-
 apolis
 Owen Vaun Ursel, Minneapolis
 James Palemon Uttley, A.A., Minne-
 apolis
 William Grant Van Dyke, Minne-
 tonka
 Joan Marie Vaughn, St. Paul
 John Benhard Wachter, St. Louis
 Park, MAGNA CUM LAUDE, Psychol-
 ogy
 Kathleen Mary Walsh, St. Paul
 Marilyn Jean Walstrom, Minneapolis
 Richard James Warren, St. Paul
 Daniel Frank Wascoe, Jr., Fridley
 Wilfred Wilbur Webber, Minne-
 apolis
 Cecilia Ann Weigel, Minneapolis
 John Arthur Wiede, St. Paul
 Curtiss Lynn Wikstrom, Karlstad
 Patricia Lynn Wilcox, Albert Lea
 David Frederick Winick, Minne-
 apolis
 James George Wolf, St. Paul
 Gerard George Wolke, Jr., Mont-
 gomery, Ala.
 Carole Jean Young, North St. Paul
 Dennis Harry Zacho, White Bear
 Lake
 Helen Lorraine Zahn, Brainerd
 Ann Marie Foster Zdon, Minneapolis

UNIVERSITY COLLEGE

Bachelor of Arts

Laurence Alan Kivens, Minneapolis

Susan Diane Russell, Minneapolis

Bachelor of Science

Kent Edward Jarnig, St. Louis Park

William Ralph Switky, Plainfield, N.J.

INSTITUTE OF TECHNOLOGY

Certificate in Science

Jack Charles Kline, Minneapolis

Bachelor of Aeronautical Engineering

William Robert Chopp, St. Paul
Gary Dean Deering, Trimont
Francis Kwame Kpodo, Ghana
Robert Gregory O'Malley, St. Paul
Dennis Carleton Palmerston,
Mankato

Jerry David Pommerenke, Belgrade
Ajit Kumar Singh, India
Richard James Slominski, Minne-
apolis
Gary Jon Van Ryswyk, Albert Lea

Bachelor of Agricultural Engineering

Michael Harry Enzmann, Cook
Paul Douglas Hagen, Roseau

Raymond Orvin Sundrud, Fosston

Bachelor of Architecture

Scott Richard Berry, B.A., Minne-
apolis
Robert Allen Findlay, B.A., Richfield
John Peter Hagen, B.A., Mankato
Richard William Hauer, B.A.,
Bayport
John Robert Hefty, South Portland,
Me.
Daniel Clayton Larson, B.A., Wa-
basha
Lance Allen LaVine, Austin
Kenneth Albert LeDoux, B.A.,
Winsted

John Arthur Myklebust, B.A., Min-
neapolis
George Dennison Neilson, B.A., B.S.,
Clayton, Mo.
Eric Kent Rekdahl, St. Louis Park
John Henry Simonitsch, B.A., Rob-
binsdale
Roger Walter Sjobeck, Bertha
Jack Dennis Smuckler, B.A., Mil-
waukee, Wis., WITH DISTINCTION
Daniel Lynn Swedberg, Duluth
Jon Philip Thorstenson, Pelican
Rapids

Bachelor of Chemical Engineering

Larry Joseph Blum, Rochester
Alvin Ahti Hujanen, Parkville
Dennis Gene Ordemann, Burnsville

James Howard Robinson, Delmar,
N.Y.
Jon Friedolf Silverberg, Minneapolis

Bachelor of Civil Engineering

Okon Edward Basse, Nigeria
Ronald Allen Christenson, St. Paul

Edward David Cohen, Minneapolis
Robert Rich Copeland, St. Louis Park

Harold Dale Knynsberg, DeMotte,
Ind.
Leonard John Kremer, Jr., Minne-
apolis
Russell Lawrence Larson, Becker

David Jerome Scheidnes, St. Paul
John W. Teske, Aberdeen, S.D.
Thomas Frederick Thorstenson, St.
Paul

Bachelor of Electrical Engineering

John Alonzo Arnold, Minneapolis
Peter Lawrence Emmons, Virginia
Bruce Lynn Homme, Bloomington
Dale Ludwig Lex, Two Harbors
David Lawrence Nelson, International
Falls

Gerald Donavon Peters, Golden
Valley
David George Rasmussen, Minne-
apolis
Don LeRoy Tilseth, Minneapolis,
WITH DISTINCTION

Bachelor of Geological Engineering

Jeffrey Edward Burton, Flushing, N.Y. Earl Jacob Violet, Buffalo

Bachelor of Mathematics

Kathleen Jean Engel, Minneapolis, WITH DISTINCTION

Bachelor of Mechanical Engineering

Philip Walter Andrzejek, B.S. Econ.,
Minneapolis
Michael Lawrence Blehert, St. Paul
Maynard Eugene Bothun, A.A.,
Austin
Michael Lynn Brown, St. Louis Park
Stanford Kenneth Christian, A.A.,
Winton
Robert Merl Fesler, St. Paul
Kenneth Richard Frost, Le Sueur
Timothy Lee Hoopman, Austin
Larry Leonard Keller, Fergus Falls
James William Klein, Tracy
Wendell Louis Leno, Minneapolis
Darrol Wayne Lockhart, Spring Grove
Robert Alan Mann, St. Paul
*Jack Henry Markwardt, Orr, WITH
DISTINCTION*
James Jay McClurg, Minneapolis
Douglas C. Myhre, Columbia Heights

Lowell Bruce Naley, Eagle Bend
Ronald Clarence Nelson, Minne-
apolis
Brian Donald Olin, St. Paul
Dean Robert Peterson, Pine River
Thomas Roman Piets, Duluth
*Michael Rickert, Stillwater, WITH
DISTINCTION*
John Ashley Rieke, Minnetonka
Randolph Perry Roen, Esko
William Lee Russell, Albert Lea
*Steven Carl Schultz, Alexandria,
WITH DISTINCTION*
Thomas James Sullivan, Minneapolis
John Francis Tocko, St. Paul
Gary B. Wetzel, Wayzata
*Richard George Wildung, Minneapo-
lis, WITH DISTINCTION*
Charles Franklin Wood, Plainview

Bachelor of Metallurgical Engineering

Dennis Wayne Stephens, A.A., Chatfield, WITH DISTINCTION

Bachelor of Science in Geophysics

Ronald Duane Leskinen, Duluth

Delwyn Carval Piepenburg, Hutchinson

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Kathryn Lizbeth Andrescik, Minneapolis, Home Economics

Richard William Anttila, Deer River, Forestry

Timon Bondo, Kenya, Agriculture

Judith Susan Carlstrom, Vermillion, S.D., Home Economics, WITH DISTINCTION

Marianne Irene Cerny, Minneapolis, Home Economics

Kuai Chang Cheng, B.A., Malaysia, Agriculture

Sandra Lee Childress, Minneapolis, Home Economics, WITH DISTINCTION

Nancy Gallagher Christensen, St. Paul, Home Economics, WITH DISTINCTION

Conrad M. Christianson, Bismarck, N.D., Agriculture

Stephen John Craig, Coon Rapids, Agriculture

Jeffrey James Disch, St. Paul, Forestry

Peter John Edstrom, Forest Lake, Agriculture

Bradley D. Ehlers, A.A., Ottertail, Agriculture

Gary John Erickson, Fosston, Agriculture

Kathleen Sue Erickson, St. Paul, Home Economics

Richard Frank Estum, Tech. Cert. in Agri., Lamberton, Agriculture

Edward John Forrester, Couderay, Wis., Forestry

Richard MacDonald Fowler, St. Paul, Forestry

Juliette Kristine Gay, Chaska, Agriculture

Ralph Edward Groschen, Stillwater, Agriculture

Duane Eugene Gustafson, Forest Lake, Agriculture

Charles Henry Habstritt, Roseau, Agriculture

John Wayne Halbrehder, White Bear Lake, Forestry

John Elwood Hammann, Tech. Cert. in Agri., Owatonna, Agriculture

Elizabeth Jean Haygreen, St. Paul, Home Economics

Richard Cook Hazlett, Richfield, Forestry

Wayne Roger Hendrickson, Tech. Cert. in Agri., Lamberton, Agriculture

Jay Clinton Hokenstrom, Minneapolis, Agriculture

Duane Albert Huckell, Hopkins, Forestry

Joel Arthur Huser, Plato, Agriculture

Gary Ray Jolin, Rhinelander, Wis., Forestry

Donald Francis Keller, Tenney, Agriculture

Karl Neal Ketter, Minneapolis, Forestry

Lucille Helen Kiehn, Annandale,
Home Economics
Kwan K. Minn, Seoul, Korea, Agri-
culture
Richard Eugene Mittelstedt, Minne-
apolis, Agriculture
Jerome Michael Murphy, Newport,
Agriculture
Bonnie Jeanne Olesiak, Brookston,
Agriculture, WITH DISTINCTION
Ronald Allen Person, Bloomington,
Forestry, WITH DISTINCTION
Lynn Reuben Peterson, Lindstrom,
Agriculture
Thomas Cornell Sando, A.A., Minne-
apolis, Agriculture

John Anton Schmidt, Freeport, Agri-
culture
Ethel M. Schnauer, Duluth, Home
Economics
James Warren Skog, Jr., Fridley,
Forestry
Helen Parker Thomas, Cambridge,
Home Economics, WITH DISTINC-
TION
Jane Marie Valenciano, Minneapolis,
Home Economics, WITH DISTINC-
TION
Dennis Clark Woodward, Minne-
apolis, Forestry

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Science

Carol Huselid Holzinger, Mound,
Home Economics Education
Kathryn Ann Pedneau, Minneapolis,
Home Economics Education

Maureen Radle Stevens, Marine on
St. Croix, Home Economics Edu-
cation, WITH DISTINCTION
Nancy Sue Yoder, A.A., Jackson,
Home Economics Education, WITH
DISTINCTION

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS OF THE INSTITUTE OF AGRICULTURE

Bachelor of Agricultural Business Administration

James Webster Horning, Albert Lea
William Lawrence Kvasnicka, Owa-
tonna
Dean Ervin Moll, Sleepy Eye
Kenneth Lee Olson, Paynesville

Paul Theodore Radintz, Osseo
Charles John Streiff, Buffalo
James Marvin Wendland, A.A.,
Northfield

COLLEGE OF EDUCATION

Bachelor of Science

- Janet Diane Aldrich, Minneapolis
Anita Joan Anderson, Robbinsdale
Gweneth Kay Anderson, Minneapolis
Larry Floyd Anderson, St. Paul
Rebecca Ann Anderson, St. Paul,
WITH DISTINCTION
Kathleen Elizabeth Bachman, Min-
neapolis, WITH HIGH DISTINCTION
Russell Martin Bakko, St. Paul
Gail Lynne Barnard, Minneapolis
Aroti Gupta Bayman, B.A., Minne-
apolis
Gail Rose Berg, Anoka
Jeffrey Ryan Bissell, Minneapolis
Linda Marion Bjorklund, Minneapolis
Karen Marie Black, St. Paul, WITH
DISTINCTION
Milton Arthur Bothun, Madison,
WITH DISTINCTION
Wava Trunnell Breisch, Minneapolis
Pamela Gail Brettin, Bird Island
Mary Ann Brock, Lakeville
Barbara Ann Burch, Edina
John Hiram Burch, Cannon Falls
Patricia Louise Carlson, Columbia
Heights, WITH HIGH DISTINCTION
Joan Gayle Christenson, Minneapolis
Alison Jean Clarke, B.S.N., Duluth
Kathleen Anne Coyle, Minneapolis,
WITH DISTINCTION
Rosalie Risse Cramer, Minneapolis
Carolyn Ann Cress, South St. Paul
Michael James Crever, St. Paul
Diane Lynne Deutsch, Minneapolis
Eugenia Catherine Holte Dixon,
Shakopee
Linda Lee Dunsworth, St. Louis Park
Dennis Michael Dvoracek, Eau
Claire, Wis.
Arlene Mae Ekdahl, Thief River Falls
Barbara Lee Elam, Litchfield
Diane Francille Estes, Rochester
Kent Michael Evans, A.A., Minne-
apolis
Douglas Clyde Felton, West Liberty,
Iowa
Phyllis Elaine Fischer, White Bear
Lake, WITH DISTINCTION
Dale Irwin Foreman, St. Paul, WITH
DISTINCTION
Robert Allen Formo, St. Louis Park
Priscilla Marie Freeberg, Minneapolis
Stanford Dale Freese, Minneapolis
William Andrew Funari, Stillwater
Yvonne Marie Glover, Minneapolis
Theresa Genine Gomsrud, Golden
Valley
David LeRoy Grider, A.A., Minne-
apolis
Loren Russell Hansen, A.A., Minne-
apolis, WITH DISTINCTION
Mary Jane Happel, Hokah
Rosemary Ellan Hartfiel, Anoka
Marilyn Joyce Hartill, Minneapolis
Phyllis Ann Hartmann, Hugo
Marcia Elizabeth Harvey, Long Lake,
WITH HIGH DISTINCTION
Jessie Evelyn Haswell, Mahtomedi
Stephen Russell Hayden, Minneapolis
Nan Marie Heathcote, Minneapolis
James Arlon Hermanson, Big Lake
Joseph Patrick Hoffman, Stillwater
Jean Applequist Holcomb, B.A.,
Bloomington
Sherrill Darlene Hooker, St. Paul,
WITH DISTINCTION
Ward Allen Horton, Minneapolis
Beverly Susan Hyatt, Minneapolis
Sandra Sue Irwin, Virginia
Gloria Jean Janicke, Minneapolis
John P. Joyce, North St. Paul
Kathleen Jane Kelley, Lake Crystal
Karen Jean Knudson, Minneapolis
Kathleen Jean Kolles, St. Paul, WITH
DISTINCTION
Gretchen Marie Krieger, Edina
Norbert Leonard Krier, Hibbing
Doris Merrill Laatsch, Minneapolis
Peter MacKenzie Laing, Minneapolis
Arthur Paul Lakoduk, Minneapolis
Susan Elizabeth Lange, Minneapolis
Judith Ann Larson, A.A., Minneapolis

Mildred Marie Larson, Minneapolis
*Karen Ann Lasho, Minneapolis, WITH
 HIGH DISTINCTION*
 Linda Eleonore Lundeen, St. Paul
 Carolyn Louise Manning, Minneapolis
 James J. Mapston, B.A., Minneapolis
 Audrey Hanson Marion, St. Paul
 Barbara Joyce McClellan, Minneapolis
 Mary Ruth McEvoy, St. Paul
 Kathleen Mae McKeon, Pipestone
 Anthony Russell Miceli, Minneapolis
 Roger Allen Michalski, Silver Bay
*Rence Dorothy Mueller, Minneapolis,
 WITH DISTINCTION*
 Jerome F. Nemanich, Soudan
 Thomas Gerald Neutzling, St. Cloud
*Brian Francis Nicol, Minneapolis,
 WITH DISTINCTION*
 Constance Marie Niemi, Embarrass
 Theodore Glenn Noble, B.A., Minneapolis
 Nancy Ruth Sherman Novak, Minneapolis
 Joanne Carolyn Nyberg, Littleton,
 Colo.
 Patricia Hauge Odne, North St. Paul
 Janice Anita Olson, St. Paul
 Marcia Ann Jacobson Peterson, Minneapolis
 Catherine Ann Pomeroy, St. Paul
 Vicky Lynne Meyers Popp, East
 Peoria, Ill.
 Katherine Mary Raker, Austin
 Susan Diane Rider, Minneapolis
 Gerárd Stanley Roesler, St. Paul
 Shelley Victoria Rogers, B.A., Minneapolis
 Nancy Dale Seaberg, Michigan City,
 Ind.
 Carla Fritsche Seifert, New Ulm
 Betty J. Lloyd Skelton, B.A., Minneapolis
 Evelyn Diane Spannaus, St. Paul
 Curtis Merlyn St. John, Fridley
 Sharon Kind Swanum, A.L.A., White
 Bear Lake
 Mary Claire Swenson, Chisholm
 Diana Lee Thompson, Minneapolis
 Paula May Urban, Minneapolis
*Jean Elizabeth Christine Wahlstrom,
 Braham, WITH DISTINCTION*
 Wendy Walker, Edina
 Mary Kathleen Fryklund Webster,
 St. Paul
 Barbara Ann Whipple, A.A., Fergus
 Falls
 Barbara Jo White, Brooklyn Center
 Michael Ray Whitney, Delavan
*Robert Morten Wicklund, Minneapolis,
 WITH DISTINCTION*
 Barbara Ranney Wilberg, B.A., Schenectady, N.Y.
 Barbara Jean Williams, New
 Brighton
*Frances Agnes Wilson, Minneapolis,
 WITH DISTINCTION*
*Evelyn Marie Zeller, West Concord,
 WITH DISTINCTION*
 Neil Sheldon Zimmerman, New
 Brighton

Master of Education

Douglas Harold Butler, B.S., Minneapolis
 Ruby Marie Salcwski, B.S.N., Minneapolis

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

George Thomas James, St. Paul

Bachelor of Science in Business

- Floyd Randell Adelman, St. Paul
Alan James Anderson, A.L.A., Minneapolis
Holly Sue Andrix, Hopkins
Russell William Belk, Bloomington
John Clayton Berdahl, Richfield
Charles Daniel Biegert, Robbinsdale
Wayne Kendall Bisbee, Marshall
Lawrence Louis Bonin, Minneapolis
Dennis Gaines Butler, Richfield
Richard William Butler, St. Paul
Charles Ellis Cheney, B.A., St. Paul
Edward Roger Class, A.A., Minneapolis
Dwight Joseph Cox, Columbia Heights
James Michael Dropp, Chisholm
Thomas Lee Fahey, Minneapolis
Byron Langer Frank, Minneapolis
Robert Alan Gold, St. Louis Park
David Victor Gustafson, Jr., Burnsville
Lowell James Hill, Minneapolis, WITH DISTINCTION
Thomas Paul Hoecherl, Minneapolis
Byron Lee Howard, St. Paul
Ronald John Hyland, Richfield
Dale Curtis Jaffrey, Rush City
James Barton Jenkins, Minneapolis
Richard O. Jindra, Minneapolis
Gregory M. Johnson, Hopkins
Marjorie Lynn Johnson, Minnetonka
Martin Charles Johnson, B.C.E., Oklee
Blaine Richard John Joseph, St. Paul
Paul William Kinneberg, Minneapolis
Jack Charles Kline, Minneapolis
John Mondalert Kopp, St. Paul
Robert Anton Korman, St. Paul
Gregory Don Koschinska, Chaska
Marilyn Adeline Kunza, Isanti
James Richard Landt, St. Paul
Michael Joel London, St. Louis Park
Bernard Louis Lucking, St. Paul
Robert Norman Lynne, Jr., Columbus, Ohio
Eldon Reuben Matz, Perham
James Kent McCleary, Minneapolis
John Sanford Meier, Minneapolis
Eugene Raymond Merriam, Golden Valley
Robert Bruce Mersky, St. Paul
William Jay Miller, St. Paul
Donald Joseph Mingo, White Bear Lake
John Cook Mueller, Minneapolis
John Edward Nelson, Rockford, Ill.
Victor John Newinski, Minneapolis
William Robertson Noreus, Cloquet
Douglas Lee Ogren, West St. Paul
Michael William O'Leary, Virginia
Henry Dennis Paetzel, St. Paul Park
Steven Peter Platzter, Minnetonka
Vernon Owen Rholl, Minneapolis
George Jeffrey Roberts, Minneapolis
James Stanley Rosenbloom, Minneapolis
Steven Charles Saefke, Minneapolis
Wayne Coburn Scheffel, A.A., Brainerd
David Stanley Schiminsky, Minneapolis
Frederick Warren Schmauss, Lake City
Byron Lee Schulz, Golden Valley
Pamela Lind J. Seeman, Hopkins
Clifford Elroy Snelling, Jr., Morris
Vladimir Tkach, Columbia Heights
Cynthia Ann Turner, Tampa, Fla.
Jerry Thomas Ungerman, Eden Prairie
John Patrick Vaillant, Minneapolis
Leroy Willard Wangstad, Minneapolis
James Edward Wazlawik, St. Paul
George Earl Wennerly, A.A., Minneapolis
James Wilson, Minneapolis
Dale Allen Youngquist, West St. Paul

Bachelor of Science in Economics

Glenn Edward Hageman, St. Paul
Douglas Allen Jensen, A.A., Minne-
apolis

Richard Allen Sandness, Two Har-
bors, WITH DISTINCTION

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Ronald Charles Bieraugel, New Ulm Ernie John Jacobson, Albert Lea

LAW SCHOOL

Juris Doctor

Bruce Peter Carlson, B.A., M.A., Min- neapolis	Emanuel Zachary Kopstein, B.A. <i>magna cum laude</i> , Minneapolis
James Robert Casserly, B.A., Minne- apolis	Douglas Michael Nesvig, B.S., Gay- lord
Gary Leo Emmers, B.A., Le Center	Richard Lee Primus, B.S.B., Minne- apolis
Bruce Edmund Kiernat, St. Paul	

SCHOOL OF DENTISTRY

Graduate Dental Hygienist

Nicki Louise Nord, Grand Forks, N.D.

Doctor of Dental Surgery

Gerald Daniel Cavanaugh, B.Math., Plainview, WITH DISTINCTION

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science

Jacquelyn Claire Bradbury, Crane
Lake, Medical Technology*
Geoffrey Paul Caron, Marshall,
Medical Technology*

Wanda Eileen Clark, Askov, Medical
Technology*
Pamela Jane Dunwell, Preston, Medi-
cal Technology*

* These degrees are conferred subject to the completion of practical work prior to March 16, 1968.

Janet Mary Hiller, St. Paul, Medical
Technology*
Carol Ann Kurkowski, St. Paul, Medi-
cal Technology*
Jeanette Kay Larson, Duluth, Medical
Technology*
Kay Elizabeth Listemaa, Gilbert,
Medical Technology*
Lauren Norbert Nelson, St. Paul,
Medical Technology*

Christine Ellen Peterson, Golden Val-
ley, Medical Technology*
Barbara Warren Ramquist, Lake Wil-
son, Medical Technology*
Gretchen Marie Saecker, Winona,
Medical Technology*
Nancy Ellis Wood, Minneapolis,
Medical Technology, WITH HIGH
DISTINCTION*
Sandra Louise Zieve, Minneapolis,
Medicine

Master of Public Health

Fernando Acosta, B.C.E., Caracas,
Venezuela
Ellen Marie Berg, B.S.N., Kennewick,
Wash.
Kathryn Ann Christensen, B.S.,
Green Bay, Wis.
James Hampton Hensley, B.S., Edina
Piya Leimsombat, B.S., Thailand

Janet Louise Miner, B.S., Adair, Ill.
Paul Daniel Pederson, B.A., Roseville
Barbara Jim Reid, B.S.N., Sisseton,
S.D.
Sandra Elizabeth Sheller, B.S., Mon-
tello, Wis.
Pichit Skulbhram, B.S., Bangkok,
Thailand

Doctor of Medicine

Marjorie Anne Mack, B.A., Des Plaines, Ill.

GRADUATE SCHOOL

Master of Architecture

Kenneth Edson Carpenter, Oklahoma
City, Okla.
B.Arch. '62, University of Oklahoma. Field
of Concentration: Architecture. Major Adviser:
Prof. W. K. Vivrett.

Watana Charoenrath, Bangkok,
Thailand
B.Arch. '62, Chulalongkorn University, Thai-
land. Field of Concentration: Architecture.
Major Adviser: Prof. W. K. Vivrett.

James Allen Cowgill, Minneapolis
B.Arch. '65, University of Minnesota. Field of
Concentration: Architecture. Major Adviser:
Prof. W. K. Vivrett.

Shohn Kou, Taiwan, China
B.S. '64, Taiwan Provincial Cheng Kung Uni-
versity. Major: Architecture. Thesis: Student
Union on West Campus. Major Adviser: Prof.
W. K. Vivrett.

* These degrees are conferred subject to the completion of practical work prior to March 16, 1968.

Vichai Napombejra, Bangkok,
Thailand

B.Arch. '61, Chulalongkorn University, Thailand. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

H. Mark Ruth, Billings, Mont.

B.Arch. '66, Montana State College. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

Ming Chi Wang, Tainan, Taiwan,
China

B.S. '60, Cheng-Kung University. Field of Concentration: Architecture. Major Adviser: Prof. W. K. Vivrett.

Master of Arts

William Roger Adams, Hamel

B.A. '62, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. W. D. Beatty.

Donald Herbert Ahlberg, Minneapolis

B.S. '61, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. P. Pearson.

Albert Charles Ahlquist, St. Paul

B.A. '44, University of Dubuque; B.S. '48, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. Clarence Boeck.

Deloris Ann Anderson, Ogilvie

B.A. *cum laude* '56, Augsburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Harold Coleman Anderson,
Minneapolis

B.A. '65, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. Auke Tellegen.

Marilyn Jeanne Anderson, Winona

B.A. *magna cum laude* '58, Augsburg College; M.A. '63, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Shirley Elaine Anderson, Monticello

B.S. '50, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. S. B. Kegler.

Marion Schroeder Arling, Minneapolis

B.S. '33, University of Minnesota. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. G. L. Shapiro.

Donald Lee Baago, Fairmont

B.S. '58, Mankato State College. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson.

Frederick William Bauman, Jr.,
Arlington, Va.

B.A. '61, Ursinus College. Field of Concentration: English. Major Adviser: Prof. R. E. Moore.

Fred Bruce Bauries, St. Paul

B.A. '63, University of Minnesota. Field of Concentration: Mass Communications. Major Adviser: Prof. Edwin Emery.

Arthur August Beisang, St. Paul

B.S. '57, Hamline University. Field of Concentration: Educational Psychology. Major Adviser: Prof. Jan Duker.

Paul Charles Bellin, Aberdeen, S.D.

B.S. in Ed. with honor '60, Northern State Teachers College. Field of Concentration: Education. Major Adviser: Prof. S. B. Kegler.

Carol Jean Bellville, Minneapolis

B.S. '40, Milwaukee State Teachers College. Field of Concentration: Psychology. Major Adviser: Prof. John Darley.

Audrey Joanne Berndt, Winona

B.A. '61, Taylor University. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Alice Emily Berven, Forest Lake

B.S. '38, Wisconsin State University, Stevens Point. Field of Concentration: Education. Major Adviser: Prof. S. B. Kegler.

Joan Marie Bigler, Brainerd

B.S. '63, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. F. H. Wood.

Erma Ollie Bolmgren, New York Mills

B.S. '54, St. Cloud State College. Field of Concentration: Educational Administration. Major Adviser: Prof. J. R. Curtin.

Mary Jo Wiesner Bradshaw, Minneapolis

B.S. *summa cum laude* '57, St. Louis University. Field of Concentration: Psychology. Major Adviser: Prof. V. H. Hewer.

Sharon Lee Bradwish, Edina

B.A. '65, Drake University. Major: Sociology. Minor: Anthropology. Thesis: George Bryan Vold: The Intellectual Biography of a Conflict Theorist. Major Adviser: Prof. D. A. Martindale.

Barbara Ann Breckenridge, Minneapolis

B.A. '65, Grinnell College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Arlaine Francis Brinkman, Richfield

B.S. '61, Mankato State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Walter Leo Brody, Yorktown Heights, N.Y.

B.A. '65, Rockford College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. F. M. Whiting.

Lowell John Brose, Crystal

B.A. '58, Concordia Seminary. Field of Concentration: Library Science. Major Adviser: Prof. Wesley Simonton.

Margaret Dredge Carlson, Minneapolis

B.A. *magna cum laude* '65, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. D. Hall.

Douglas Michael Carney, McCall, Idaho

B.A. with distinction '65, Stanford University. Field of Concentration: Psychology. Major Adviser: Prof. W. W. Roberts.

Walter Lee Chapman, Jr., Minneapolis

B.S. '63, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. D. E. Davis.

Carol Mae Christensen, St. Paul

B.A. with highest honors '60, Bethel College. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Bonna Leah Christians, Wayzata

B.A. '64, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. H. P. Longstaff.

Elizabeth Shuman Clark, St. Paul

B.S. '66, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. H. Wood.

Loren Carroll Cleland, Austin

B.A. '52, Carleton College. Field of Concentration: History. Major Adviser: Prof. William Wright.

Cara Louise Conklin, Faribault

B.S. '50, Milwaukee State Teachers College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Diane M. Cooperman, New York, N.Y.

B.A. *cum laude* '65, Brooklyn College. Field of Concentration: Sociology. Major Adviser: Prof. G. Scott McNall.

Michael Dennis Cummins, Sacramento, Calif.

B.A. '62, University of California, Berkeley. Field of Concentration: Geography. Major Adviser: Prof. F. E. Lukermann.

John Alfred Dalin, Willmar

B.S. '59, Gustavus Adolphus. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. P. Pearson.

Evelyn Lucile Deike, Mankato

B.A. '35, Mankato State College; B.S. '42, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Elizabeth Jane Devans, West St. Paul

B.S. '42, Winona State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. S. B. Kegler.

Richard Paul Devine, St. Joseph

B.A. '64, St. John's University. Major: Sociology. Minor: Political Science. Thesis: Party Activists' Perceptions of the Party as a Commonwealth or Mutual-Benefit Organization. Major Adviser: Prof. Irving Tallman.

Jane Theresa Diffenauer, Terre Haute, Ind.

B.S. in Ed. '65, Southern Illinois University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Rosamond Clark Doty, Monticello

B.S. '57, St. Cloud State Teachers College. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Jerry James Doyle, Grand Rapids

B.A. '64, B.S. '64, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. C. H. Boeck.

Bram Canaday Drew, St. Paul

B.A. '63, Yale University. Field of Concentration: Psychology. Major Adviser: Prof. J. N. Butcher.

Alyce Evelyn Dunn, Hugo

B.S. '61, University of Minnesota. Field of Concentration: Art Education. Major Adviser: Prof. Clifton Gayne.

Keith Paul Dyrud, Newfolden

B.A. *cum laude* '65, Augsburg College. Field of Concentration: History. Major Adviser: Prof. T. G. Stavrou.

David Lowell Ekstrand, St. Paul

B.A. *magna cum laude* '61, B.S. with high distinction '61, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. R. H. Cameron.

Essam Mohamed Eltohamy, Cairo, Egypt

B.Comm. '58, Alexandria University, U.A.R. Field of Concentration: Economics. Major Adviser: Prof. G. L. Perry.

Margaret Louise Feil, Lake Elmo

B.S. with distinction '62, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. E. M. Birksmaier.

Alan Harold Fenton, Jr., Austin, Tex.

B.A. '65, Columbia University. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Mary Patrice Heinrich Finlay, Edina

B.S. with distinction '56, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Ellen Jean Fitzgerald, Minneapolis

B.S. '62, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Denis Deane Foote, Twin Falls, Idaho

B.S. '58, University of Minnesota. Field of Concentration: Music. Major Adviser: Prof. Paul Fetler.

Marilynn Hoagberg Ford, Minneapolis

B.A. *cum laude* '62, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. R. B. Warnham.

Beverly Jean Foster, Minneapolis

B.S. '65, University of Minnesota. Field of Concentration: Physical Education. Major Adviser: Prof. E. M. Jaeger.

Richard G. Fuller, Minneapolis

B.A. '59, Hamline University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Herbert Claire Gade, Minneapolis

B.S. '47, Concordia Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Gordon Otto Genz, St. Paul

B.A. '59, Hamline University. Field of Concentration: Physical Education. Major Adviser: Prof. R. J. Donnelly.

Joseph Harry Goldfarb, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. M. D. Dunnington.

Jerrold Goldstein, Scottsdale, Ariz.

B.A. with honors '58, University of California; M.A.H.L. '63, Hebrew Union College—Jewish Institute of Religion. Major: History. Minor: Related Fields. Thesis: Reform Rabbis and the Progressive Movement. Major Adviser: Prof. Hyman Berman.

Lowell Robert Gomsrud, Minneapolis
B.A. '63, University of Minnesota. Major: Area Studies. Thesis: The Political-Military Evolution of Charles de Gaulle, 1890-1940. Major Adviser: Prof. J. K. Munholland.

Mark Everett Goodman, Minneapolis
B.S. with distinction '50, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. P. Pearson.

Robert Stanley Griffin, North St. Paul
B.S. '64, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. W. E. Gardner.

Benjamin Franklin Grussendorf, Jr.,
Grand Rapids
B.A. '64, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. Edith West.

Elizabeth Marie Guiney, Austin
B.S. '62, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. S. B. Kessler.

Sabeeha Hafeez, Karachi, Pakistan
B.A. '63, M.A. '64, Karachi University. Field of Concentration: Sociology. Major Adviser: Prof. D. A. Martindale.

Lee David Hanson, Roseau
B.A. '55, Augsburg College. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Jean Hudy Harrison, Minneapolis
B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

August William Haugan, Jr., St. Paul
B.A. '54, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Joseph Gregory Hellie, Morton
B.A. '61, St. Olaf College. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson.

Eileen Evelyn Henchen, Neillville,
Wis.
B.S. '66, Wisconsin State University, Stevens Point. Field of Concentration: Library Science. Major Adviser: Prof. Yvonne Van der Boom.

John Middlemist Herrick,
Minneapolis
B.A. *egregia cum laude* '64, St. John's University. Major: History. Minor: Political Science. Thesis: The War of 1812: Age, Vote, Section. Major Adviser: Prof. R. F. Berkhofer.

Lorraine Blumenfeld Hertz, St. Paul
B.S. '44, B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. C. Reynolds.

Dorothy Mills Highland, Huntington,
N.Y.
B.S. in Ed. *magna cum laude* '66, Hofstra University. Field of Concentration: Educational Psychology. Major Adviser: Prof. F. B. Murray.

LeRoy Clarence Hillbrand, Paynesville
B.S. '43, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. M. J. Peterson.

Andrea Claire Hitchman, Oregon
City, Ore.
B.A. '67, Portland State College. Field of Concentration: Library Science. Major Adviser: Prof. Yvonne Van der Boom.

Shirley Anne Hoaglund, Cokato
B.S. '50, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Sister Jane Elizabeth Hoffmann,
Milwaukee, Wis.
Ph.B. '51, Cardinal Stritch College. Major: Home Economics Education. Minor: Home Economics. Thesis: An Exploration of the Effect of Two Instructional Approaches on the Learning of Geometrical Principles of Clothing Construction. Major Adviser: Prof. R. R. Ford.

David Henry Holmgren, Henning
B.B.A. '59, B.S. '65, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. G. Meyer.

Richard Herbert Holt, Minneapolis
B.A. '61, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Kathleen Gill Hosfield, Minneapolis
B.S. with high distinction '64, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. S. B. Kegler.

Mary Ann Walden Hove, Minneapolis
B.S. '62, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. Bruce Balow.

Carmen Ana Hrubisko, Buenos Aires, Argentina

Licenciado en Economía '63, Universidad Católica Argentina. Field of Concentration: Economics. Major Adviser: Prof. Peter Gregory.

Rita Mitchell Hughes, Minneapolis
B.A. '61, College of St. Catherine. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. T. W. Clymer.

Kirsten Lind Ingerson, Minneapolis
B.A. '64, University of Minnesota. Field of Concentration: French. Major Adviser: Prof. J. L. Waldauer.

Jerome Edwin Jackson, Minneapolis
B.S. '60, St. Cloud State Teachers College. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson.

Susan Ruth Jacobson, Perley
B.S. '64, Moorhead State College. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

Dale Rodney Johnson, Cloquet
B.S. '60, University of Minnesota. Field of Concentration: History. Major Adviser: Prof. R. C. Loehr.

David Lee Johnson, Richfield
B.A. '66, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. N. J. Freeman.

Elisabeth Ann Johnson, Minneapolis
B.A. '48, B.S. '61, University of Minnesota. Field of Concentration: History and Philosophy of Education. Major Adviser: Prof. A. L. Bagley.

Jean Elizabeth Johnson, Englewood, Colo.
B.A. *cum laude* '42, Gustavus Adolphus College. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

Norman Francis Johnson, Minneapolis
B.A. '53, Augsburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. G. R. Firth.

Ronald James Johnson, Mound
B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. T. W. Clymer.

Warren Allen Johnson, St. Cloud
B.S. '58, St. Cloud State Teachers College. Field of Concentration: Educational Administration. Major Adviser: Prof. S. H. Popper.

Miriam Elouise Johnston, Austin
B.S. '59, Macalester College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Cornell Robert Jones, Winnipeg, Manitoba, Canada
B.S. '61, Macalester College. Field of Concentration: Industrial Relations. Major Adviser: Prof. H. G. Heneman.

Louis Francis Jost, Richfield
B.A. '56, St. John's University. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson, Jr.

W. Rodney Kaisler, Bloomington
B.S. '58, Moorhead State Teachers College. Field of Concentration: Educational Administration. Major Adviser: Prof. N. C. Nickerson, Jr.

Gerald Lee Keenan, St. Paul
B.A. '59, Hamline University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. G. Price.

Joyce Arlene Keller, St. Paul
B.A. '61, Houghton College. Major: Mathematics. Minor: Philosophy. Thesis: The Character Table of SL (3,3). Major Adviser: Prof. I. L. Gaal.

Diane Catharine Foreman Kent, Pipestone
B.A. '62, University of Minnesota. Field of Concentration: German. Major Adviser: Prof. Herman Ramras.

Carol Sedlacek Kerner, St. Paul
B.A. '60, Hamline University. Field of Concentration: Mass Communications. Major Adviser: Prof. M. V. Charnley.

John Raymond Kilian, Roseville
B.S. '61, St. Cloud State Teachers College.
Field of Concentration: Curriculum and In-
struction. Major Adviser: Prof. D. A. Johnson.

Myung Ae Kim, Seoul, Korea
B.A. '63, Ewha Womans University, Korea.
Field of Concentration: Library Science. Major
Adviser: Prof. N. J. Freeman.

Lars Gerhard Kindem, Minneapolis
B.A. '55, St. Olaf College. Field of Concen-
tration: Curriculum and Instruction. Major Ad-
viser: Prof. E. M. Birkmaier.

Beverly Jane King, Madison, Wis.
B.S. '59, Iowa State College. Field of Con-
centration: Education. Major Adviser: Prof. S.
B. Kegler.

Sister Mary Margaret King, Crookston
B. of Music Ed. '62, Viterbo College. Field
of Concentration: Music Education. Major
Adviser: Prof. A. F. Caswell.

Sharon Elizabeth Kintner, Northfield
B.A. '66, College of Wooster. Field of Con-
centration: Library Science. Major Adviser:
Prof. Yvonne Van der Boom.

Craig McNeil Kissock, Minneapolis
B.S. '65, University of Minnesota. Field of
Concentration: Education. Major Adviser:
Prof. W. E. Gardner.

Karen Kay Klein, Owatonna
B.S. '66, University of Minnesota. Field of
Concentration: Speech Science, Pathology, and
Audiology. Major Adviser: Prof. G. M. Siegel.

Gerald John Kleisinger, Regina,
Saskatchewan, Canada
B.A. '60, University of Minnesota. Field of
Concentration: Educational Psychology. Major
Adviser: Prof. M. F. Gum.

Delores Mae Kluckman, Herreid, S.D.
B.S. with honor '60, South Dakota State Col-
lege of Agriculture and Mechanic Arts. Field
of Concentration: Home Economics Educa-
tion. Major Adviser: Prof. M. M. Brown.

Bryan Leslie Knapp, Waterbury,
Conn.
B.S. '65, Cornell University. Field of Concen-
tration: Psychology. Major Adviser: Prof. M.
D. Dunnette.

William Allen Knudtson, Minneapolis
B.A. '60, University of Minnesota. Field of
Concentration: Psychology. Major Adviser:
Prof. Robert Warnken.

Boyd N. Koehler, Erskine
B.A. magna cum laude '66, Moorhead State
College. Field of Concentration: Library Sci-
ence. Major Adviser: Prof. N. J. Freeman.

Beverly Ruth Kuenzi, Hartford, Wis.
B.B.A. '57, University of Wisconsin. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. R. G. Price.

Florence Marie Kurth, Bloomington
B.S.(Ed.) '66, Dr. Martin Luther College.
Field of Concentration: Curriculum and In-
struction. Major Adviser: Prof. Norine Odland.

Carl Gordon Larson, Fridley
B.A. '49, St. Olaf College. Field of Concen-
tration: Educational Administration. Major
Adviser: Prof. C. P. Hooker.

Norman Walter Larson, Minneapolis
B.A. '56, University of Minnesota. Field of
Concentration: Mass Communications. Major
Adviser: Prof. J. E. Gerald.

Lucille K. Laughlin, St. Paul
B.A. '36, College of St. Catherine. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. R. G. Price.

Kent Test Layden, St. Paul
B.A. '66, Macalester College. Field of Concen-
tration: Education. Major Adviser: Prof. W.
E. Gardner.

Donna Lee Goehring Levi, St. Paul
B.S. *summa cum laude* '57, University of
North Dakota. Field of Concentration: Eng-
lish. Major Adviser: Prof. J. C. Levenson.

Klaus Lindemann, Minneapolis
B.S. with high distinction '66, University of
Minnesota. Field of Concentration: German.
Major Adviser: Prof. F. H. Wood.

John Hannibal Litcher, Winona
B.S. '64, Winona State College. Field of Con-
centration: Curriculum and Instruction. Major
Adviser: Prof. R. T. Lambert.

Charles Harold Lund, St. Paul
B.S. '64, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Duncan Farquhar MacKenzie, St. Louis Park
B.S. '60, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. L. Jackson.

Linda Lou Mann, Wichita, Kan.
B.A. *magna cum laude* '60, Midland College. Major: Speech, Communication, and Theatre Arts. Minor: Curriculum and Instruction. Thesis: The Effect of a High School Speech Course on Critical Thinking, Speaker Confidence, and Speaking Ability. Major Adviser: Prof. W. S. Howell.

Barbara Ann Matczynski, St. Paul
B.A. '58, College of St. Benedict. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. G. M. A. Mork.

Betty Louise Maurstad, Minneapolis
B.A. *cum laude* '49, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. R. H. Shove.

Ann McGraham, Phillips, Wis.
B.A. '66, University of Illinois. Field of Concentration: Library Science. Major Adviser: Prof. Wesley Simonton.

Charles Russell McHugh, Minneapolis
B.A. '63, University of Minnesota. Major: Music. Minor: English. Thesis: Symphony #1. Major Adviser: Prof. Paul Fetler.

Mary Angeletti Mees, St. Paul
B.A. '60, St. Louis University. Field of Concentration: English. Major Adviser: Prof. C. H. Foster.

Josefa MenaFranco, Mexico City, Mexico
Lic. in Psy. '65, National University of Mexico. Field of Concentration: Psychology. Major Adviser: Prof. J. N. Butcher.

Pamela Sue Minden, Newell, Iowa
B.S. '66, Iowa State University. Field of Concentration: Child Psychology. Major Adviser: Prof. S. G. Moore.

Douglas Martin Mitchell, San Antonio, Tex.
B.A. '58, University of Wisconsin. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Trinidad Roldan Montero, Beni, Philippines
B.S.E. '62, Arellano University, Philippines. Field of Concentration: Educational Psychology. Major Adviser: Prof. C. J. Hoyt.

William Henry Murphy, Marysville, Ohio
B.A. '55, Carleton College. Field of Concentration: Educational Psychology. Major Adviser: Prof. J. C. Merwin.

Lennen Roland Naley, Eagle Bend
B.S. '48, University of Minnesota. Field of Concentration: Agricultural Education. Major Adviser: Prof. E. A. Persons.

Mary Lou Lindahl Nelson, Austin
B.S. '66, Winona State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Susana Navarrete Nunez, Santiago, Chile
University of Chile '60. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. E. Corcoran.

Dennison Peer Nyberg, Minneapolis
B.A. '65, University of Minnesota. Field of Concentration: American Studies. Major Adviser: Prof. M. C. Turpie.

Mildred Schreiner O'Leary, Ashland, Wis.
B.A. *cum laude* '64, Northland College. Major: Sociology. Minor: Speech, Communication, and Theatre Arts. Thesis: The Future of Molitor: Traditionalism and Change in a German Peasant Community. Major Adviser: Prof. D. A. Martindale.

Janet Belle Olson, Olivia
B.A. '58, Hamline University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Colleen Ann Ostazeski, Carlton
B.S. '58, Wisconsin State University, Superior. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Thomas Elmer O'Toole, Minneapolis
B.A. '63, St. Mary's College. Field of Concentration: History. Major Adviser: Prof. B. K. Marshall.

Harold Edward PaDelford, St. Paul
B.S. '48, Mankato State College. Field of Concentration: Industrial Education. Major Adviser: Prof. Jerome Moss, Jr.

James Frank Palmer, Arlington Heights, Ill.

B.A. '65, Illinois State Normal University. Major: Educational Psychology. Minor: Psychology. Thesis: Interaction of High Stimulus Similarity and Stimulus Isolation on Paired-Associate Acquisition and Transfer. Major Adviser: Prof. S. J. Samuels.

Fred John Parent, Van Buren, Me.

B.A. with high honors '66, University of Maine. Major: Sociology. Minor: Anthropology. Thesis: Mental Retardation in the Social System Perspective: A Study of the Institutionalization of Persons Labeled as Mentally Retarded. Major Adviser: Prof. G. P. Stone.

Joseph John Pavlos, Minneapolis

B.A. '59, College of Wooster. Field of Concentration: Philosophy. Major Adviser: Prof. H. E. Mason.

Diane Louise Pederson, Minneapolis

B.S. '65, Iowa State University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. J. C. Manning.

Walter Kenneth Perala, International Falls

B.A. '57, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Crawford.

Jurgen Curt Peters, Waseca

B.S. '57, University of Wisconsin. Field of Concentration: Agricultural Education. Major Adviser: Prof. E. A. Persons.

Dennis Edwin Petrell, Las Vegas, Nev.

B.A. '60, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. M. F. Gum.

John Charles Pierce, Yelm, Wash.

B.A. with honors '65, University of Puget Sound. Field of Concentration: Political Science. Major Adviser: Prof. W. H. Flannigan.

Jaime Puyana, Bogotá, Colombia

B.A. '64, Universidad de Los Andes. Field of Concentration: Economics. Major Adviser: Prof. O. H. Brownlee.

Allen Francis Raney, New Brighton

B.S. '59, Mankato State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. D. A. Johnson.

Shirley Ruth Rasmussen, Spencer, Iowa

B.A. '64, Buena Vista College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Lou Ann Pauline Restad, Pelican Rapids

B.S. '56, University of Minnesota. Field of Concentration: Home Economics Education. Major Adviser: Prof. M. M. Brown.

Fernando Rodriguez, Concepción, Chile

Lic. en Med. '54, Universidad de Madrid. Field of Concentration: Library Science. Major Adviser: Prof. D. K. Berninghausen.

John Thomas Ronan, St. Louis Park

B.A. '58, St. John's University. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. H. C. Johnson.

Christina Roose, State College, Pa.

B.A. '66, Kalamazoo College. Field of Concentration: Library Science. Major Adviser: Prof. Yvonne Van der Boom.

Judith Elaine Rowe, Verndale

B.S. '57, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Norine Odland.

Charles Dennison Rowland, Virginia

B.S. '39, University of Minnesota. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. K. L. Graham.

Floyd Douglas Rudy, St. Paul

B.S. '57, University of Minnesota. Field of Concentration: Industrial Relations. Major Adviser: Prof. C. F. Smythe.

Catherine Miriam Rue, Bloomington

B.S. '42, Moorhead State College. Field of Concentration: Educational Psychology. Major Adviser: Prof. W. W. Tennyson.

Joseph Thomas Rukavina, White
Bear Lake

B.A. '48, University of Minnesota; B.A. '51,
St. Thomas College. Field of Concentration:
Curriculum and Instruction. Major Adviser:
Prof. N. P. Pearson.

Genevieve Ann Schillo, St. Paul

B.A. '59, College of St. Catherine. Field of
Concentration: Education. Major Adviser:
Prof. W. E. Gardner.

Sister Mary Kipha Schmitz, Roch-
ester

B.S. '66, College of St. Teresa. Field of Con-
centration: Curriculum and Instruction. Major
Adviser: Prof. J. C. Manning.

Mary Catherine Schroeffer, Minne-
apolis

B.S. '56, University of Minnesota. Major: So-
ciology. Minor: Biostatistics. Thesis: Planned
Activities and Nursing Home Adjustment of
Ex-Mental Hospital Geriatric Patients. Major
Adviser: Prof. A. M. Rose.

Arnold J. Schultz, Jr., New York,
N.Y.

B.A. '58, University of Minnesota. Major: Li-
brary Science. Minor: History. Thesis: A Lin-
guistic Approach to Information Retrieval:
Syntactical Keywording of Natural Language
Scientific Text by Computer. Major Adviser:
Prof. Wesley Simonton.

Joyce Marie Smith Seaberg, Roseville

B.S. '61, University of Minnesota. Field of
Concentration: Curriculum and Instruction.
Major Adviser: Prof. N. C. Chase.

Renate Anna Seitz, Milton Junction,
Wis.

B.A. '65, University of Wisconsin. Field of
Concentration: German. Major Adviser: Prof.
G. H. Weiss.

Marzena G. J. S. Seymour, London,
England

B.A. '65, Boston University. Field of Con-
centration: Speech, Communication, and Theatre
Arts. Major Adviser: Prof. A. H. Ballet.

Phil Byron Shattuck, Hartley, Iowa

B.A. '59, Iowa State Teachers College. Field
of Concentration: Speech Science, Pathology,
and Audiology. Major Adviser: Prof. F. M.
Lassman.

Yung Kwei Shih, Liaoning Province,
China

B. of Law '63, M.A. '63, National Chengchi
University. Field of Concentration: Mass Com-
munications. Major Adviser: Prof. R. E.
Carter.

Alfred Paul Siftar, Bethlehem, Pa.

B.S. '57, University of Minnesota. Field of
Concentration: Educational Psychology. Major
Adviser: Prof. Bjorn Karlsen.

James Stanton Silen, Seattle, Wash.

B.A. '61, Dartmouth College. Field of Con-
centration: History. Major Adviser: Prof. R. S.
Hoyt.

Clayton Clarence Smith, Minne-
apolis

B.S. '58, University of Minnesota. Field of
Concentration: Industrial Education. Major
Adviser: Prof. W. A. Kavanaugh.

Richard Douglas Sorvig, Minneapolis

B.A. '61, Bethel College. Field of Concen-
tration: Speech, Communication, and Theatre
Arts. Major Adviser: Prof. R. L. Scott.

Joann Greenwell Speidel, St. Paul

B.S. '63, University of Minnesota. Major:
Speech Science, Pathology, and Audiology. Mi-
nor: Psychology. Thesis: An Investigation of
Tongue and Palatal Activity During Phona-
tion. Major Adviser: Prof. C. D. Starr.

Judith Ann Steller, Bowling Green,
Ohio

B.A. '58, Oberlin College. Field of Concen-
tration: Educational Psychology. Major Ad-
viser: Prof. Theda Hagenah.

Eileen Marjory Stenberg, Fridley

B.S. with distinction '61, University of Min-
nesota. Field of Concentration: Curriculum and
Instruction. Major Adviser: Prof. N. P. Pear-
son.

Joyce Elaine Stockton, Minneapolis

B.A. '63, Macalester College. Field of Concen-
tration: Psychology. Major Adviser: Prof.
Wentworth Quast.

Thomas Harlan Stone, Minneapolis

B.A. '65, University of Michigan. Field of
Concentration: Psychology. Major Adviser:
Prof. J. P. Campbell.

Janet Marie Harrison Surbrook,
Brainerd

B.S. with distinction '63, University of Minnesota. Major: Speech Science, Pathology, and Audiology. Minor: Educational Psychology. Thesis: The Effect of Minor Articulation Errors on a Speaker's Ability to Communicate Information. Major Adviser: Prof. C. D. Starr.

Roger Erwin Talle, Minneapolis

B.S. '60, University of Minnesota. Field of Concentration: Educational Administration. Major Adviser: Prof. R. T. Lambert.

Laura Nelson Taylor, Minneapolis

B.S. '37, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

John Clayton Thomas, Mound

B.A. *magna cum laude* '66, University of Minnesota. Field of Concentration: Mass Communications. Major Adviser: Prof. D. M. Gillmor.

Caroline Elizabeth Thompson, Belvidere, Ill.

B.A. '65, B.S. '66, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. Heinrich Guggenheimer.

Charles Henry Thompson, Minneapolis

B.A. '64, Oberlin College. Field of Concentration: Geography. Major Adviser: Prof. F. E. Lukermann.

Charlene Elizabeth Thomson, Minneapolis

B.S. '60, University of Illinois. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. N. C. Chase.

Esther Anne Tuttle, Minneapolis

B.S. '64, Macalester College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. Robert Sykstra.

Barney Uve Uhlig, Minneapolis

M.A. '63, Free University of Berlin. Major: Political Science. Minor: History. Thesis: Foreign Policy Opinion Makers in Out-State Minnesota. Major Adviser: Prof. E. E. Riggs.

Miguel Villa-Soto, Buin, Chile

B. en Letras '59, University of Chile. Field of Concentration: Geography. Major Adviser: Prof. E. C. Mather.

Judith Horns Vizenor, Minneapolis

B.S. '59, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. R. T. Lambert.

Morris Bernard Vogel, Minneapolis

B.S. '52, Mankato State College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. C. V. Goossen.

Henry Andrew Wallace, Jr., Green Bay, Wis.

B.S. '58, Wisconsin State College, Superior. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. H. Blocker.

Robert Allen Wallien, Bloomington

B.S. '59, St. Cloud State College. Field of Concentration: Industrial Education. Major Adviser: Prof. H. F. Nelson.

Charles John Wallstedt, Minneapolis

B.A. *cum laude* '65, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. R. D. Wirt.

David Albert Walsh, Baltimore, Md.

B.A. '65, American University. Field of Concentration: Art History. Major Adviser: Prof. C. D. Sheppard.

Margaret Ruth Wangensteen, Minneapolis

B.S. with high distinction '64, University of Minnesota. Major: Speech, Communication, and Theatre Arts. Minor: English. Thesis: The Historical Development of the Speaker Policy at the University of Minnesota. Major Adviser: Prof. D. K. Smith.

David Lee Webster, Minneapolis

B.A. '65, University of Minnesota. Major: Anthropology. Minor: Geography. Thesis: Mounds of the Rainy River. Major Adviser: Prof. O. E. Johnson.

Thomas Joseph Wegleitner, St. Paul

B.S. '53, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. W. E. Gardner.

Robert Gene Wegmann, Minneapolis

B.A. *summa cum laude* '60, St. Mary's College. Major: Sociology. Minor: Psychology. Thesis: Factors in the Choice of the Catholic High School. Major Adviser: Prof. A. M. Rose.

Michael Joseph Weiszel, South St. Paul

B.S. with distinction '63, University of Minnesota. Field of Concentration: Education. Major Adviser: Prof. E. M. Birkmaier.

John Edwin Welckle, Burnsville

B.A. '57, Augsburg College. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. W. E. Gardner.

Marvin Marion Wendorf, New Brighton

B.S. '49, St. Cloud State College. Field of Concentration: Educational Administration. Major Adviser: Prof. S. H. Popper.

Gretel Hoffman Whitaker, St. Paul

B.A. '63, University of Minnesota. Major: Anthropology. Minor: Psychology. Thesis: People and Politics in a Chippewa Community. Major Adviser: Prof. P. J. Pelto.

Roy Michael Whitehill, St. Paul

B.S. with distinction '64, University of Minnesota. Field of Concentration: Industrial Education. Major Adviser: Prof. R. D. Randleman.

David Kenneth Wickstrom, Duluth

B.A. '60, University of Minnesota. Field of Concentration: Geography. Major Adviser: Prof. J. O. M. Broek.

Pauline Louise Wiemann, Blue Earth

B.A. magna cum laude '54, Gustavus Adolphus College. Field of Concentration: Speech, Communication, and Theatre Arts. Major Adviser: Prof. Virginia Fredricks.

Richard Douglas Willow, St. Paul

B.A. '60, University of Minnesota. Field of Concentration: Psychology. Major Adviser: Prof. M. D. Dunnette.

Dorothea Winkelmann, Berlin, Germany

Major: Sociology. Minor: Psychology. Thesis: Household-types and Family Patterns in Bombay. Major Adviser: Prof. M. A. Straus.

Sharron Lee Wentz Wubbels, Monona, Iowa

B.A. '57, Luther College. Field of Concentration: Educational Psychology. Major Adviser: Prof. D. G. Force, Jr.

Lois Mae Yuzna, Minneapolis

B.S. '58, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Jerry Lee Zank, Cedar Falls, Iowa

B.A. cum laude '65, St. Olaf College. Field of Concentration: English. Major Adviser: Prof. J. C. Levenson.

Master of Arts in Public Administration

Ezzatollah Hamidi, Minneapolis

B.S. '58, M.S. '64, Tehran University, Iran. Major: Public Administration. Thesis: Police Organization and Administration in Iran. Major Adviser: Prof. G. A. Warp.

Gordon William Kingston, St. Paul

B.A. '64, University of Minnesota. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Robert Coolidge Martin, Minneapolis

B.S. '54, North Central College. Major: Public Administration. Thesis: A Study of the Issuance of Municipal Bonds for Improvements in the City of St. Louis Park, Minnesota. Major Adviser: Prof. G. A. Warp.

Abolfazle Mazrehashi Sadeghpour, Iran

B.A. '61, Tehran University, Iran. Field of Concentration: Public Administration. Major Adviser: Prof. G. A. Warp.

Master of Business Administration

Billy Dewel Dodson, Minneapolis

B.S.B. with distinction '66, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. E. Willis.

George LeRoy Eastling, Jr., Minneapolis

B.B.A. '49, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. A. K. Wickesberg.

James L. Ekstrom, Minneapolis

B.M.E. '61, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Roger Bruce Engstrom, St. Paul

B.M.E. '65, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Dennis McCall Hammond, Minneapolis

B.S. in M.E. '57, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. K. Gaumnitz.

Robert Jerome Kiefer, Minneapolis

B.S. with distinction '63, San Diego State College. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

Frederick George Mitchell, Minneapolis

Ph.B. '62, University of North Dakota. Field of Concentration: Business Administration. Major Adviser: Prof. N. A. Glaskowsky.

John Waldemar Newstrom, Hopkins

B.A. '64, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. K. Gaumnitz.

Gary Elden Olson, St. Paul

B.S. with distinction '64, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. L. Kozelka.

Scott W. Rahn, Wayzata

B.A. '65, Lake Forest College. Field of Concentration: Business Administration. Major Adviser: Prof. Peter Rosko.

David Michael Wendorf, Wausau, Wis.

B.S. '64, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. E. H. Lewis.

Master of Fine Arts

James Patrick Callahan, Albany

B.A. '64, St. John's University. Field of Concentration: Music. Major Adviser: Prof. B. D. Weiser.

Rachael Ann Lindhart, Humboldt, Iowa

B.F.A. '64, Drake University. Field of Concentration: Theatre Arts. Major Adviser: Prof. Theodore Herstrand.

John Stewart Swift, Jr., Groton, Mass.

B.F.A. '66, Wittenberg University. Field of Concentration: Fine Arts. Major Adviser: Prof. Warren MacKenzie.

Master of Science

Donna Wangen Albrecht, St. Paul

B.A. cum laude '58, Wisconsin State College, Eau Claire. Major: Library Science. Minor: Political Science. Thesis: Minnesota Farm Journals 1860-1900. Major Adviser: Prof. D. K. Berninghausen.

Mary Ellen Anderson, Eden Prairie

B.A. '63, Macalester College. Field of Concentration: Botany. Major Adviser: Prof. E. C. Abbe.

Charles Joel Arntzen, Granite Falls

B.S. '65, University of Minnesota. Major: Plant Physiology. Minor: Biochemistry. Thesis: The Effects of 3-Amino 1,2,4 Triazole On Structural Development of the Plant Apices in Flax (*Linum Usitatissimum*). Major Adviser: Prof. A. J. Linck.

Joseph William Artmann, Milwaukee, Wis.

B.S. '65, Marquette University. Major: Fisheries and Wildlife. Minor: Forestry. Thesis: Telemetry Study of the Pocket Gopher, *Geomys bursarius*. Major Adviser: Prof. J. R. Beer.

Zoltan L. Bandi, Minneapolis

B.A. '62, University of Minnesota. Major: Biochemistry. Minor: Physiology. Thesis: The Fatty Acids and Triglycerides of *Hydnocarpus Wightiana* Seed Oil. Major Adviser: Prof. H. K. Mangold.

Dorothy Erickson Barker, St. Cloud

B.S. with distinction '40, University of Minnesota. Field of Concentration: Zoology. Major Adviser: Prof. R. M. Benolken.

Judith Mona Bellaire, Sioux City, Iowa

B.S. '61, State University of Iowa. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Ralph Herbert Bjork, Austin

B.A. '65, St. Olaf College. Field of Concentration: Physics. Major Adviser: Prof. W. V. Weyhmann.

Bruce Wilbur Brown, Minneapolis

B.S. '65, Purdue University. Field of Concentration: Agricultural Economics. Major Adviser: Prof. R. P. Dahl.

William Christian Buhi, Hamilton, Ohio

B.S. '63, University of Cincinnati. Major: Biochemistry. Minor: Microbiology. Thesis: Studies on the Purification and the Properties of Spleen Phosphorolytic Enzymes. Major Adviser: Prof. E. D. Gray.

Ronald Fred Burton, Minneapolis

B.A. '56, Macalester College. Field of Concentration: Fisheries and Wildlife. Major Adviser: Prof. W. H. Marshall.

John Theodore Martin Carlson, Mora

B.S. '63, University of Minnesota. Major: Mechanics and Materials. Minor: Related Fields. Thesis: The Effect of Grain Size on Duration of the Crack Nucleation and Propagation in Low Cycle Fatigued Copper. Major Adviser: Prof. A. A. Blatherwick.

Ronald David Cheetham, Duluth

B.A. '65, University of Minnesota. Major: Plant Physiology. Minor: Botany. Thesis: The Effect of Gibberellic Acid on the Mechanism of Phosphate Absorption by the Roots of Corn. Major Adviser: Prof. T. W. Sudia.

Timothy Fuller Cleghorn, Scarsdale, N.Y.

B.A. cum laude '65, Colby College. Major: Physics. Minor: Mathematics. Thesis: Energy Dependence of Fragmentation Parameters and Interaction Mean Free Paths in Nuclear Emulsion for Cosmic Ray Nuclei. Major Adviser: Prof. C. J. Waddington.

Frederick Joseph Cluskey, Brimfield, Ill.

B.S. '66, University of Illinois. Major: Food Science and Industries. Minor: Industrial Engineering. Thesis: The Precipitation of Milk Proteins by Gums. Major Adviser: Prof. E. L. Thomas.

Edward Anthony Dandanell, New Brighton

B.A. '64, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. W. D. Munro.

David Hosmer Daniels, Minneapolis

B.S. '66, University of Minnesota. Field of Concentration: Forestry. Major Adviser: Prof. J. G. Haygreen.

Donald Alan Davenport, Clearfield, Utah

B.S. '62, Utah State University. Major: Fisheries and Wildlife. Minor: Biometry. Thesis: Factors Affecting Waterfowl Production at Crescent Lake National Wildlife Refuge, Nebraska. Major Adviser: Prof. J. R. Tester.

Russel Winton Erickson, St. Paul

B.S. '64, University of Minnesota. Major: Dairy Husbandry. Minor: Biometry. Thesis: The Genetic and Phenotypic Correlations Between Milk Production and Meat Characteristics of Milking Shorthorn Cattle. Major Adviser: Prof. C. L. Cole.

Fesseha Ezaz, Keren, Ethiopia

B.S. '62, Imperial Ethiopian College of Agricultural and Mechanical Arts. Field of Concentration: Agricultural Economics. Major Adviser: Prof. S. A. Engene.

Robert Arthur Fakler, Mankato

B.A. with special honor '65, Mankato State College. Major: Mathematics. Minor: Statistics. Thesis: Weak Convergence in L_p Spaces. Major Adviser: Prof. W. E. Pruitt.

Henry Michael Field, Kingston, N.Y.

B.S. '65, Pennsylvania State University. Field of Concentration: Business Administration. Major Adviser: Prof. C. R. Purdy.

Michael Joseph Frisch, Minneapolis

B. of Math. '65, University of Minnesota. Major: Mathematics. Minor: Electrical Engineering. Thesis: The Application of a Block-Runge Kutta Method for Numerical Solution of Ordinary Differential Equations. Major Adviser: Prof. J. A. Leavitt.

Mamerto Lanting Garcia, Tanauan, Batangas, Philippines

B.S.A. '55, University of the Philippines. Major: Entomology. Minor: Plant Pathology. Thesis: The Biology of the Ash Flower Gall Mite, *Eriophyes fraxiniflora* Felt (Eriophyidae: Acarina). Major Adviser: Prof. A. C. Hodson.

Clayton Alan Gearhart, Jr., Norfolk, Va.

B.S. '63, Rensselaer Polytechnic Institute. Major: Physics. Minor: Mathematics. Thesis: Isothermal Oscillations in the Helium II Film. Major Adviser: Prof. J. H. Wertz.

Helmy Kirolos Ghali Ghobrial, Sanabu, Assiut, United Arab Republic

B.S. '59, Cairo University. Field of Concentration: Agronomy. Major Adviser: Prof. C. R. Burnham.

Geoffrey Arthur Godfrey, Pomfret, Conn.

B.S. '64, University of Connecticut. Major: Fisheries and Wildlife. Minor: Botany. Thesis: Summer and Fall Movements and Behavior of Immature Ruffed Grouse (*Bonasa Umbellus*). Major Adviser: Prof. W. H. Marshall.

Raymond Peter Goedert, St. Cloud

B. of Math. with distinction '65, University of Minnesota. Field of Concentration: Mathematics. Major Adviser: Prof. N. G. Meyers.

Joel Harvey Goldman, Brooklyn, N.Y.

B.S. in Math. '66, Massachusetts Institute of Technology. Field of Concentration: Physics. Major Adviser: Prof. S. G. Gasiorowicz.

Norman Thomas Gonnella, Dodge Center

B.A. '60, University of Minnesota. Field of Concentration: Organic Chemistry. Major Adviser: Prof. W. E. Parham.

Sonja Pauline Griffith, Minneapolis

B.S. with highest distinction '64, University of Kansas. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Dean Blair Gulden, Montevideo

B.A. cum laude '63, Augsburg College. Field of Concentration: Mathematics. Major Adviser: Prof. D. W. Kahn.

Jerry Paul Hanson, Altoona, Wis.

B.S. '63, Wisconsin State University, Eau Claire. Field of Concentration: Entomology. Major Adviser: Prof. H. C. Chiang.

Louise Martha Heine, New Prague

B.S. '59, University of Minnesota. Field of Concentration: Genetics. Major Adviser: Prof. R. S. Caldecott.

Peter Rodney Hindle, Fort William, Ontario, Canada

B.S. '65, Lakehead University. Major: Physical Chemistry. Minor: Physics. Thesis: An Electron Spin Resonance Study of the Radicle Ions of Biphenylene. Major Adviser: Prof. J. R. Bolton.

James Norman Hove, Jr., Minneapolis

B.B.A. with distinction '53, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. R. G. Berryman.

Shih-Chien Hsing, Republic of China

B.A. '63, National Taiwan University. Field of Concentration: Business Administration. Major Adviser: Prof. C. R. Purdy.

Barry Bailey Hunter, East Pittsburgh, Pa.

B.S. '63, California State College. Field of Concentration: Plant Pathology. Major Adviser: Prof. R. D. Wilcoxson.

Abeed Ullah Jan, Lakki Marwat, West Pakistan

B.S.C. '61, University of Peshawar, Pakistan. Field of Concentration: Forestry. Major Adviser: Prof. H. H. John.

Jack Donald Johnson, San Diego, Calif.

B.A. '59, San Diego State College. Field of Concentration: Environmental Health. Major Adviser: Prof. R. G. Bond.

Joan Marie Johnson, Siren, Wis.

B.S. '64, University of Minnesota. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Leona Emma Lundquist Johnson,
Minneapolis

B.S. '42, University of Minnesota. Field of Concentration: Library Science. Major Adviser: Prof. L. E. Olson.

Ramona Mae Johnson, Tucson, Ariz.

B.A. '65, James Millikin University. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Stephen Hans Johnson, Minneapolis

B.A. '62, Carleton College. Major: Geophysics. Minor: Geology. Thesis: Seismic Investigation of the Midcontinent Gravity High in South-eastern Minnesota. Major Adviser: Prof. H. M. Mooney.

Mabel Lavonne Klosterboer, North
St. Paul

B.S. '45, University of Minnesota. Field of Concentration: Home Economics. Major Adviser: Prof. Gertrude Esteros.

Marion Kathleen Krogdahl, Virginia

B.S. '37, University of Minnesota; M.Ed. '61, Loyola University, Chicago. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Frances Teresa Kwiatkowski, Cicero,
Ill.

B.A. '64, College of St. Catherine. Major: Biochemistry. Minor: Microbiology. Thesis: Studies on the Oxygen Exchange Reactions Catalyzed by Contractile Proteins of Cardiac and Skeletal Muscle. Major Adviser: Prof. M. E. Dempsey.

Elizabeth H. Lange, Winnipeg, Mani-
toba, Canada

B.S. '60, University of Manitoba. Major: Home Economics. Minor: Biometry. Thesis: Flavor and Odor Changes in Frozen Beef Stored at Different Temperatures. Major Adviser: Prof. I. T. Noble.

Ok Young Lee, Seoul, Korea

B.A. '61, Dong Duck College, Korea; M.S. '63, Ewha Womans University. Major: Horticulture. Minor: Biochemistry. Thesis: The Influence of Decenyl Succinic Acid on Permeability of Plant Cells to Water and Its Possible Effect on Frost Hardiness. Major Adviser: Prof. C. J. Weiser.

Angela Josephine Lelek, Detroit,
Mich.

B.S. in Nursing '63, Wayne State University. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Kathleen James Lewis, St. Paul

B.S. '58, University of Wisconsin. Major: Home Economics. Minor: Biochemistry. Thesis: Nutrient Intake, Diet Patterns, Food Habits, and Weight Response of Women on Weight-Control Diets. Major Adviser: Prof. M. D. Doyle.

Thomas Russell Lindquist, Minne-
apolis

B.Phys. with distinction '64, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Focusing X-Ray Telescope for High Altitude Observations of Cosmic X-Rays in the Energy Range 20-140 KeV. Major Adviser: Prof. W. R. Webber.

William Gust Lindstrom, Orleans

B.S. '63, University of Minnesota. Field of Concentration: Soil Science. Major Adviser: Prof. H. F. Armeman.

Dorothy Christensen Magedanz,
Brookings, S.D.

B.S. '66, South Dakota State College of Agriculture and Mechanic Arts. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

John George Malinka, Jamaica, N.Y.

B.S. in Phys. '65, Polytechnic Institute of Brooklyn. Field of Concentration: Physics. Major Adviser: Prof. J. E. Wertz.

David Eric Maschwitz, St. Paul

B.S. '63, Iowa State University. Major: Entomology. Minor: Plant Pathology. Thesis: Studies on Insects Dissemination of Wood Rotting Fungi. Major Adviser: Prof. A. C. Hodson.

John Arthur Mayo, Minneapolis

B.A. '63, University of Minnesota. Major: Microbiology. Minor: Biochemistry. Thesis: Autolysis in *Escherichia Coli* Strain B. Major Adviser: Dr. Palmer Rogers.

Glen Edward Mott, Lafayette, Ind.

B.S.A. '63, Purdue University. Major: Biochemistry. Minor: Organic Chemistry. Thesis: Fatty Acid Composition of Myelin Lipids from Regenerating Cat Sciatic Nerve. Major Adviser: Prof. Frank Ungar.

Ashish Kumar Mukerji, New Delhi,
India

B.S. '61, Agra University, India; M.S. '63, Rajasthan University. Field of Concentration: Physics. Major Adviser: Prof. W. V. Weyhmann.

Milo Alfred Nielsen, Madelia

B.S. '65, University of Minnesota. Major: Food Science and Industries. Minor: Industrial Engineering. Thesis: The Application of the Sephadex Centrifugal Method to Concentrated Milk Products and Some Characteristics of the Resulting Fractions. Major Adviser: Prof. S. T. Coulter.

Torstein Opheim, Voss, Norway

M.F. '62, Agricultural College of Norway. Major: Forestry. Minor: Biometry. Thesis: On Compilation of Data for Cost-Revenue Analysis of a Forest Production Process. Major Adviser: Prof. R. A. Skok.

Edward Ernest Paschke, Chicago, Ill.

B.S. '65, University of Illinois. Major: Organic Chemistry. Minor: Biochemistry. Thesis: Reduction of Substituted Pyridinium Salts to Tetrahydropyridines; Reactions of the Products with Denzene in the Presence of Aluminum Chloride. Major Adviser: Prof. C. F. Koelsch.

Darryl Lester Petrak, Central City,
Iowa

B.S. '64, Iowa State University. Field of Concentration: Organic Chemistry. Major Adviser: Prof. S. W. Fenton.

Richard Joseph Poeschl, St. Paul

B.S. '66, University of Minnesota. Field of Concentration: Business Administration. Major Adviser: Prof. J. M. Smith.

Gary Aubrey Reineccius, Cambridge

B.S. with distinction '64, University of Minnesota. Major: Food Science and Industries. Minor: Physical Chemistry. Thesis: Retention of Volatile Compounds During the Spray Drying of Skim Milk Systems. Major Adviser: Prof. S. T. Coulter.

Charles Franklin Rodell, La Crosse,
Wis.

B.S. with honors '65, Wisconsin State College, La Crosse. Field of Concentration: Genetics. Major Adviser: Prof. D. J. Merrell.

Marilyn Ann Russell, Des Moines,
Iowa

B.S. '63, State University of Iowa. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

David Peter Rutten, Osakis

B.A. *summa cum laude* '65, St. John's University. Field of Concentration: Business Administration. Major Adviser: Prof. R. E. Willis.

Mary Louise Sauer, Pierz

B.A. '52, M.A. '61, University of Minnesota; B.S. '56, St. Cloud State College. Field of Concentration: Library Science. Major Adviser: Prof. Wesley Simonton.

Frederick Charles Seppala, Belling-
ham, Wash.

B.S. '60, University of Washington. Field of Concentration: Biometry. Major Adviser: Prof. J. R. Boen.

Coralyn Anne Stults, Winchester,
Ind.

B.S. '59, Ball State University. Field of Concentration: Public Health. Major Adviser: Prof. A. G. Sparrow.

Jing Shiang Su, Tainan, Taiwan,
China

B.Ed. '60, Taiwan Normal University. Major: Home Economics. Minor: Biochemistry. Thesis: Folic Acid in Fetal and Maternal Tissues on Rats Treated with a Folic Acid Antagonist. Major Adviser: Prof. L. M. Morse.

Janet Carol McDonald Svardal, Min-
neapolis

B.S. with distinction '62, University of Minnesota. Major: Medical Technology. Minor: Genetics. Thesis: The Effect of Specific Erythrocyte Antigen-antibody Reaction on the Non-specific Absorption of Immunoglobulin to the Red Cell Membrane. Major Adviser: Prof. E. Y. Yunis.

Hugh Sweeney, Sligo, Ireland

B.Ag.S. '59, University College, Dublin. Field of Concentration: Genetics. Major Adviser: Prof. C. R. Burnham.

David Adair Swenson, Minneapolis

B.A. *cum laude* '65, Augsburg College. Field of Concentration: Physics. Major Adviser: Prof. W. V. Weyhmann.

Kalevi Matti Turkia, Ristiina, Finland

B.S. '66, University of Minnesota. Major: Forestry. Minor: Industrial Engineering. Thesis: Application of Platen Drying to Aspen and White Birch. Major Adviser: Prof. J. G. Haygreen.

Shive Dayal Verma, Himachal Pradesh, India

B.S. '62, M.S. '64, Punjab Agricultural University. Field of Concentration: Soil Science. Major Adviser: Prof. R. H. Rust.

Susan Darnell Vukmonich, Keewatin

B.S. '65, College of St. Catherine. Field of Concentration: Psychiatric Nursing. Major Adviser: Prof. M. I. Harris.

John Arnold Wise, Seattle, Wash.

B.A., B.S. '63, University of Washington, Seattle. Major: Microbiology. Minor: Biochemistry. Thesis: Isolation and Characterization of Bacteriophages for *Bacillus cereus*. Major Adviser: Prof. B. D. Church.

Wayne Carl Wiseman, New Richmond, Wis.

B.S. '59, The North Dakota Agricultural College. Field of Concentration: Agricultural Economics. Major Adviser: Prof. S. A. Engene.

Richard Thomas Woods, Scotia, N.Y.

B.S. '65, Rensselaer Polytechnic Institute. Field of Concentration: Physics. Major Adviser: Prof. C. J. Waddington.

Master of Science in Aeronautical Engineering

David Elliot Godfrey, Portland, Ore.

B.A.E. '66, University of Minnesota. Major: Aeronautical Engineering. Minor: Mechanics and Materials. Thesis: Equipment Design for Investigation of Plastic Deformation of Plates. Major Adviser: Prof. Robert Plunkett.

Larry Burton Keen, Minneapolis

B.A.E. '66, University of Minnesota. Field of Concentration: Aeronautical Engineering. Major Adviser: Prof. D. D. Joseph.

Edward John Steklasa, Ely

B.C. with distinction '66, University of Minnesota. Major: Fluid Mechanics. Minor: Mathematics. Thesis: The Relation of the Alveolar-Arterial Oxygen Tension Difference to Variations in Airway Geometry in the Human Lung. Major Adviser: Prof. T. A. Wilson.

Master of Science in Anesthesiology

William Winston Sargent, Chicago, Ill.

B.S. '55, M.D. '57, University of Illinois. Major: Anesthesiology. Minors: Biochemistry and Pharmacology. Thesis: An Electrophysiological Evaluation of Subarachnoid Potassium Chloride and the Saline Flush Technique in Reversing Spinal Anesthesia. Major Adviser: Dr. F. H. Van Bergen.

Master of Science in Chemical Engineering

David Jack Kudish, Roslyn Heights, N.Y.

B.S.Chem.E. '65, University of Rochester. Major: Chemical Engineering. Minor: Industrial Engineering. Thesis: The Positive Exponential Approximation to the Arrhenius Reaction-Rate Constant Equation. Major Adviser: Prof. Rutherford Aris.

John Angelos Palyvos, Athens, Greece

B.S. with distinction '65, University of Minnesota. Major: Chemical Engineering. Minor: Mathematics. Thesis: Applications of Several Theories of Transport in Simple Liquids. Major Adviser: Prof. H. T. Davis.

Master of Science in Civil Engineering

Konduru Bhadrach, Hyderabad, India
B.E. '54, Osmania University, India. Field of Concentration: Civil Engineering. Major Adviser: Prof. W. T. Graves.

Walter Thomas Bugno, Scranton, Pa.
B.C.E. '67, University of Minnesota. Field of Concentration: Civil Engineering. Major Adviser: Prof. L. E. Goodman.

Master of Science in Dentistry

Jon Achenbach Dolence, Hibbing
B.S. '65, D.D.S. '65, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: An Analysis of Distal Movement of the First Permanent Molar, Following the Use of Extra Oral Anchorage as a Treatment Auxiliary. Major Adviser: Dr. R. J. Isaacson.

Gary Seville Hatch, Tempe, Ariz.
D.D.S. '58, Baylor University. Major: Dentistry. Minor: Pathology. Thesis: Clinical and Radiographic Findings of the Temporomandibular Joints in Patients with Rheumatoid Arthritis. Major Adviser: Dr. J. A. Gibilisco.

Karl W. Knewitz, Dallas, Tex.
D.D.S. '64, University of Illinois. Major: Dentistry. Minor: Pathology. Thesis: The Clinical, Histologic, and Roentgenologic Evaluation of Antigenitically Reduced Transplanted Dogs' Teeth. Major Adviser: Dr. J. A. Gibilisco.

Thomas Michael Speidel, Minneapolis
B.A. '58, State University of Iowa; D.D.S. '63, Loyola University School of Dentistry. Major: Dentistry. Minor: Anatomy. Thesis: A Method of Adapting Laminagraphy to Cephalometric Radiographs. Major Adviser: Dr. R. J. Isaacson.

Master of Science in Dermatology

John Arnot Clark, Vancouver, British Columbia, Canada

M.D. '60, University of British Columbia. Major: Dermatology. Minor: Basic Dermatological Sciences. Thesis: A Study of the Joint Manifestations in Scleroderma. Major Adviser: Dr. R. R. Kierland.

Master of Science in Electrical Engineering

Milton Merrill Anderson, Litchfield
B.S. with high distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: F.M. Detection in the Presence of Noise. Major Adviser: Prof. J. H. Park.

Steven Arthur Bendson, Staples
B.S. with distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Studies of the S-1 Photo-surface. Major Adviser: Prof. D. E. Anderson.

David Lee Gellatly, Duluth
B.S. with distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Two-Part Lumped Model Approximation to Distributed RC Networks. Major Adviser: Prof. B. A. Sheno.

John Stephan Hancock, Chippewa Falls, Wis.
B.S. '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Effect of 3.39 Micron-Superradiance on the 0.6328 Miron Output Power of a Helium-Neon Laser. Major Adviser: Prof. J. A. Carruthers.

Vernon Fredrick Klein, Plummer
B.S. with distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A-1-Al₂O₃Si Tunnel Current Devices Formed by Sputter-Deposition of Si. Major Adviser: Prof. D. E. Anderson.

Shashi Dhar Malaviya, Allahabad,
India

B.S. '46, Benares Hindu University, India. Major: Electrical Engineering. Minor: Mathematics. Thesis: Study of Noise in Transistors at Microwave Frequencies Up to 2 GHz. Major Adviser: Prof. Aldert van der Ziel.

William John Mayer, St. Paul

B.S. with distinction '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Automated Digital Design: A Description Language and Its Translation for Simulation. Major Adviser: Prof. R. P. Halverson.

John Eugene Moss, St. Paul

B.S.E.E. '64, Iowa State University. Field of Concentration: Electrical Engineering. Major Adviser: Prof. R. T. Anderson.

Donald Louis Norrell, Minneapolis

B.S. with distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Low Cost Automatic Assembly Tape System for Use with a Digital Computer. Major Adviser: Prof. R. P. Halverson.

Putchakayala Srinivasa Rao, ChicPet,
India

B.E. '61, Andhra University, India. Field of Concentration: Electrical Engineering. Major Adviser: Prof. Aldert van der Ziel.

Ronald Arthur Stordahl, Thief River
Falls

B.S. with high distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Low Frequency Noise in D.C. Gas Lasers. Major Adviser: Prof. Aldert van der Ziel.

Ming Liang Tarn, Chung-Li, Tai-
wan, China

B.S. '63, National Taiwan University. Major: Electrical Engineering. Minor: Mathematics. Thesis: RF Sputter-Deposition of V_3Si and Quartz from the Bulk Targets and the Deposition of Thin Film Superconducting Solenoids. Major Adviser: Prof. D. E. Anderson.

Arnold Peter Vitols, St. Paul

B.S. with distinction '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Ion Mobility Studies. Major Adviser: Prof. H. J. Oskam.

Master of Science in Industrial Engineering

Krishna Dorasami, Madras, India

B.S.M.E. '64, University of Madras, India. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Reinold Michael Schmalz, Westbrook

B.S. with highest honor '65, South Dakota State College of Agriculture and Mechanic Arts. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

George Theodore Spell, Duluth

B.S.Chem.E. '59, University of Minnesota. Field of Concentration: Industrial Engineering. Major Adviser: Prof. G. W. McElrath.

Dinesh Kumar Vij, Chandigarh, India

B.S.M.E. '63, Punjab University, India. Field of Concentration: Industrial Engineering. Major Adviser: Prof. R. S. Nyquist.

Master of Science in Mechanical Engineering

Fadejimi Bademosi, Ondo, Nigeria

B.S. '66, University of California, Berkeley. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. B. Y. H. Liu.

Gary Allen Boese, Minnetonka

B.S. with high distinction '65, University of Minnesota. Major: Mechanical Engineering. Minor: Industrial Engineering. Thesis: Geometric Effects on the Quenching of Solid Rocket Propellants. Major Adviser: Prof. E. A. Fletcher.

Mohan Dutt, Rangoon, Burma

B.S. '64, University of Rangoon, Burma. Major: Mechanical Engineering. Minor: Aeronautical Engineering. Thesis: Spectrometric Temperature Measurement of the Temperature Fields in the Jets of Transpiration and Water Cooled Argon Arcs. Major Adviser: Prof. Emil Pfender.

Douglas James Graham, St. Paul

B.S. with distinction '65, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Onset of Convection in Horizontal Fluid Layers with Zero Shear Boundary Conditions in the Upper and Lower Surfaces. Major Adviser: Prof. R. J. Goldstein.

**Ernest William Griffith, Carleton,
Neb.**

B.S.M.E. '64, Kansas State University. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. Katsuhiko Ogata.

Ronald Frederick Paulson, Jackson

B.S. '65, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: An Experimental Study of the Heat Transfer to the Anode of a High Intensity Argon Arc with Superimposed Axial Flow. Major Adviser: Prof. Emil Pfender.

**Thomas Walter Petrie, Fond du Lac,
Wis.**

B.M.E. *summa cum laude* '64, Marquette University. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Heat Transfer Studies to a Wire Probe Immersed in an Arc Plasma. Major Adviser: Prof. Emil Pfender.

Kent Dell Wall, Clifton, N.J.

B.M.E. '66, University of Minnesota. Field of Concentration: Mechanical Engineering. Major Adviser: Prof. Katsuhiko Ogata.

Master of Science in Medicine

**James Wingo Anderson, Hinton,
W.Va.**

M.D. '61, Northwestern University. Major: Medicine (Internal). Minor: Physiology. Thesis: The Influence of Experimental Thyroiditis on Thyroid Function. Major Adviser: Dr. W. M. McConeahey.

Haley Kent Beasley, Austin, Tex.

M.D. '62, Tulane University. Major: Medicine (Internal). Minor: Pathology. Thesis: Non-Penetrating Cardiac Injury: A Clinicopathologic Study. Major Adviser: Dr. R. O. Brandenburg.

Robert Alan Bonebrake, Chicago, Ill.

M.D. '63, Northwestern University. Major: Medicine (Internal). Minor: Biochemistry. Thesis: Copper Metabolism in Rheumatoid Arthritis. Major Adviser: Dr. H. F. Polley.

**Martin Brotman, Winnipeg, Mani-
toba, Canada**

B.S. (Med.) '62, M.D. '62, University of Manitoba. Major: Medicine (Internal). Minor: Physiology. Thesis: Colonic Mucosal Protein Biosynthesis in Ulcerative Colitis. Major Adviser: Dr. W. G. Sauer.

Jafer Sadik Kuaity, Iraq

M.B.C.L.B. '60, Baghdad University. Major: Medicine (Internal). Minor: Physiology. Thesis: The Effect of Ethyl-P-chlorophenoxyisobutyrate "CPIB" on the Release of Free Fatty Acids. Major Adviser: Dr. I. D. Frantz, Jr.

Master of Science in Metallurgical Engineering

**Ronald Joseph Bennett, Chippewa
Falls, Wis.**

B.S. *summa cum laude* '65, Wisconsin State College, Eau Claire. Field of Concentration: Metallurgical Engineering. Major Adviser: Prof. M. E. Nicholson.

Virender Kumar, Kaithal, India

B.Tech.Met. '65, Indian Institute of Technology, India. Major: Metallurgical Engineering. Minor: Physical Chemistry. Thesis: Diffusion of Calcium Oxide Single Crystals. Major Adviser: Prof. Y. P. Gupta.

Paul Swei Yuen Lien, Taichung,
Taiwan

B.S. '56, National Taiwan University. Major: Metallurgical Engineering. Minor: Physical Chemistry. Thesis: Temperature Dependence of Electrical Resistivity of Liquid Sodium and Mercury at Constant Pressure. Major Adviser: Prof. J. M. Sivertsen.

Raul Montealegre, Chile

University of Concepción, Chile. Major: Metallurgical Engineering. Minor: Mathematics. Thesis: Kinetics and Mechanics in Magnetic Roasting. Major Adviser: Prof. Gust Bitsianes.

Anakkavur Thattai Santhanam, Madras, India

B.Tech.(Met.) '64, Indian Institute of Technology, Madras. Major: Metallurgical Engineering. Minor: Mathematics. Thesis: Cleavage Surface Energy of Calcite. Major Adviser: Prof. Y. P. Gupta.

Ying Ming Shy, Taichung, Taiwan,
Republic of China

B.S.M.E. '62, National Taiwan University. Major: Metallurgical Engineering. Minor: Physics. Thesis: Superconducting Critical Magnetic Fields, Current Densities and Temperatures in the Bulb and Thin Film Samples of the Ternary Nb₂-Ti₂-N System. Major Adviser: Prof. L. E. Toth.

Heh Shu Wang, Shanghai, China

B.S.E. '64, National Taiwan University. Major: Metallurgical Engineering. Minor: Physics. Thesis: Solute Diffusion in Liquid Silver. Major Adviser: Prof. Y. P. Gupta.

Master of Science in Neurosurgery

Douglas McLearn Enoch, Sacramento, Calif.

M.D. '58, Northwestern University. Major: Neurosurgery. Minor: Basic Neurological Sciences. Thesis: Descending Vasopressor and Vesicopressor Pathways in the Hypothalamus: Stimulation, Ablation, and Regeneration Correlation Study in the Cat. Major Adviser: Dr. F. W. Kerr.

Master of Science in Ophthalmology

Lorene Mary Anastasi, Los Angeles,
Calif.

M.D. '63, Creighton University. Major: Ophthalmology. Minor: Physiologic Optics. Thesis: A Pupillographic Study of the Comparative Effects of Pilocarpine Following Maximal Mydriasis with One of Four Mydriatic Drugs. Major Adviser: Dr. T. P. Kearns.

Wilbur R. Bryant, Canton, S.D.

B.A. '56, State University of South Dakota; M.D. '58, Washington University. Major: Ophthalmology. Minor: Physiologic Optics. Thesis: Experimental Treatment of Fungal Keratitis and Herpetic Keratitis in Rabbits with Ultraviolet Light. Major Adviser: Dr. J. W. Henderson.

Master of Science in Orthopedic Surgery

Herbert Stephen Pasternak, Wethersfield, Conn.

M.D. '60, State University of New York. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Estimation of Metabolic Rate in the Canine Tibia: Quantitation of Blood Flow and Oxygen Consumption and CO₂ Production. Major Adviser: Dr. P. J. Kelly.

Master of Science in Physical Medicine and Rehabilitation

Melvin J. Goldberg, Toms River, N.J.

M.D. '60, State University of New York. Major: Physical Medicine and Rehabilitation. Minor: Physiology. Thesis: Studies on the Correlation of the Oscillometric Index and the Blood Flow through the Foot. Major Adviser: Dr. W. G. Kubicek.

Master of Science in Surgery

Hal Edward Houston, Murray, Ky.

B.A. '58, Murray State College; M.D. '62, University of Louisville Medical School. Major: Surgery. Minor: Pathology. Thesis: Malignant Tumors of the Trachea. Major Adviser: Dr. W. S. Payne.

William Andrew Parshall, Eugene, Ore.

M.D. '55, Harvard Medical School. Major: Surgery. Minor: Pathology. Thesis: Bronchial Adenoma of the Carcinoid Type—A Clinicopathologic Study. Major Adviser: Dr. L. B. Woolner.

Ethel Mae Stackhouse-Smith, Hampton, Va.

M.D. '61, Louisiana State University. Major: Surgery. Minor: Pathology. Thesis: Primary Mixed Malignancies of Lung (Carcinosarcoma Embryoma). Major Adviser: Dr. F. H. Ellis, Jr.

Specialist in Education

Linda Zoe Jenkins, Burlington, Iowa

B.A. '57, Colorado College; B.S. '62, M.A. '63, University of Minnesota. Field of Concentration: Curriculum and Instruction. Major Adviser: Prof. F. B. Wilderson.

Julia Duncan Sather, Alexander City, Ala.

B.A. '62, Agnes Scott College; M.A. '64, University of Minnesota. Field of Concentration: Educational Psychology. Major Adviser: Prof. Jan Duker.

Doctor of Philosophy

Yoshio Akiyama, Numazu-City, Japan

M.A. *cum laude* '64, Andrews University. Major: Mathematics. Minor: Statistics. Thesis: Smith Theory and Steenrod Powers for Z_p . Major Adviser: Prof. Alfred Aepli.

Evelyn Antonsen Albinson, Minneapolis

B.A. *cum laude* '41, M.A. '45, University of Minnesota. Major: German. Minor: Linguistics and Comparative Philology. Thesis: George Buchner and Wolfgang Borchert: A Comparative Study. Major Adviser: Prof. F. H. Wood.

Abdul Kareem Nasir Al-Dulaimi, Baghdad, Iraq

B.Sc. '56, College of Agriculture, Iraq; M.S. '61, University of Minnesota. Major: Food Science and Industries. Minor: Public Health. Thesis: Some Cultural and Physiological Characteristics of *Staphylococcus aureus* Isolated from Milk and Cheese. Major Adviser: Prof. J. J. Jezeski.

Murtatha Kamal Al-Hakim, Baghdad, Iraq

B.Sc. '56, University of Baghdad; M.S. '63, University of Minnesota. Major: Dairy Husbandry. Minor: Supporting Program. Thesis: Studies on Amino Acids in Bovine Semen. Major Adviser: Prof. E. F. Graham.

James Wendell Anderson, St. Paul
Park

B.S. '53, St. Cloud State Teachers College; M.A. '53, Spec. in Ed. '63, University of Minnesota. Major: Educational Administration. Minor: Education. Thesis: The Effect of Simulated Experiences Upon the Leadership Behavior of Elementary School Administrators. Major Adviser: Prof. O. E. Domian.

Masahiko Aoki, Tokyo, Japan

B.A. '62, M.A. '64, University of Tokyo. Major: Economics. Minor: Mathematics. Thesis: Increasing Returns to Scale and Market Mechanisms. Major Adviser: Prof. J. S. Chipman.

Jermaine Delos Arendt, Minneapolis

B.S. '51, M.A. '57, University of Minnesota. Major: Education. Minor: German. Thesis: Predicting Success in Foreign Language Study. Major Adviser: Prof. E. M. Birkmaier.

John Wilde Aylesworth, Woodslee,
Ontario, Canada

B.S. '42, Ontario Agricultural College; M.S. '48, University of Minnesota. Major: Genetics. Minor: Plant Pathology. Thesis: Selection for Yield in Segregating Generations of Two Soybean Crosses Grown at Stress and Non-Stress Soil Fertility Levels. Major Adviser: Prof. J. W. Lambert.

Robert B. Baker, Iowa City, Iowa

B.A. '59, City College of New York. Major: Philosophy. Minor: Supporting Program. Thesis: Moore's Realism and Non-Natural Properties: An Analysis of the Metaphysics of *Principia Ethica*. Major Adviser: Prof. D. B. Terrell.

Elliott John Bayly, Duluth

B.S. in E.E. '62, Massachusetts Institute of Technology; M.S. in E.E. '63, Stanford University. Major: Control Sciences. Thesis: Measuring and Modelling Dynamic Properties of a Nerve Cell. Major Adviser: Prof. E. B. Lee.

Dean Edward Beaulieu, Hinton, Iowa

B.S. *cum laude* '62, Saint Louis University. Major: Psychology. Minor: Psychiatry. Thesis: Patients' Evaluations of Therapist-Patient Relationships as Dehumanistic and Their Attitudes Toward Psychiatric Illness. Major Adviser: Prof. R. D. Wirt.

Roger Paul Bedard, Quebec, Quebec,
Canada

B.S. '48, M.S. '50, Laval University, Quebec. Major: Horticulture. Minor: Genetics. Thesis: Strawberry Breeding Studies Involving Diallel Crosses Between Ever Bearing and June-Bearing Varieties. Major Adviser: Prof. F. I. Lauer.

Richard Roy Benert, Easton, Pa.

B.A. with highest honors '60, Bethel College; M.A. '62, University of Minnesota. Major: History. Minor: Political Science. Thesis: Inferior Magistrates in Sixteenth-Century Political and Legal Thought. Major Adviser: Prof. R. E. Giesey.

Leo Allen Bernat, Minneapolis

B.S. '44, University of Minnesota. Major: Business Administration. Minor: Statistics. Thesis: Rate-Making in Unemployment Insurance. Major Advisers: Prof. H. G. Heneman, Jr., and Prof. C. A. Williams, Jr.

David Fred Bezdicek, Lakefield

B.S. '60, South Dakota State College of Agriculture and Mechanic Arts; M.S. '64, University of Minnesota. Major: Soil Science. Minor: Biochemistry. Thesis: Inorganic Nitrogen Transformations and Nitrogenous Gas Products as Affected by Soil-Fertilizer Geometry. Major Adviser: Prof. J. M. MacGregor.

G. Rudolph Bjorgan, Waverly, Iowa

B.A. '40, Concordia College; M.A. '48, University of Minnesota. Major: History. Minor: Political Science. Thesis: The Success Story of an Immigrant. Major Adviser: Prof. R. C. Loehr.

James Robert Bloedel, Minneapolis

B.A. *summa cum laude* '62, St. Olaf College. Major: Physiology. Minor: Biochemistry. Thesis: Electrophysiological Study of the Interneuronal Connections in the Cerebellar Cortex of the Frog. Major Adviser: Prof. C. A. Terzuolo.

Allen Palmer Blomquist, Pocatello,
Idaho

M.S. '51, University of Wisconsin. Major: Speech, Communication, and Theatre Arts. Minor: Scandinavian. Thesis: The Scenic Designs of Isaac Grunewald. Major Adviser: Prof. W. J. Josal.

William Smith Boardman, Springfield, Ill.

B.A. '61, DePauw University. Major: Philosophy. Minor: Psychology. Thesis: Dualism vs. Behaviourism: A False Dichotomy in the Philosophy of Mind. Major Adviser: Prof. H. E. Mason.

Margaret Jones Bolsterli, Dumas, Ark.

B.A. with honors '53, University of Arkansas; M.A. '53, Washington University. Major: English. Minor: Art History. Thesis: Bedford Park: A Practical Experiment in Aesthetics. Major Adviser: Prof. G. R. Stange.

Richard Frederick Bortz, Ypsilanti, Mich.

B.S. '61, Stout State College; M.S. '62, University of Michigan. Major: Education. Minor: Supporting Program. Thesis: A Study of the Effect of Physical Maturity and Intelligence on the Manipulative Performance of Junior High School Students. Major Adviser: Prof. H. F. Nelson.

Richard Nelson Boyd, Minneapolis

B.S.E.(Math) '62, B.S.E.(Phys.) '62, University of Michigan. Major: Physics. Minor: Mathematics. Thesis: The Measurement of Nuclear Matter Radii in the Tin Isotopic Sequence. Major Adviser: Prof. G. W. Greenlees.

Gordon Adin Braatz, Fergus Falls

B.A. '62, M.A. '64, University of Minnesota. Major: Psychology. Minor: Psychiatry. Thesis: Preference Intransitivity as an Indicator of Cognitive Slippage in Schizophrenia. Major Adviser: Prof. P. E. Meehl.

Patrick Joseph Breen, Fairmont

B.S. '60, College of St. Thomas; M.S. '63, University of Minnesota. Major: Agricultural Plant Physiology. Minor: Biochemistry. Thesis: Effect of Hormones on Translocation of Nutrients to Fruits. Major Adviser: Prof. A. J. Linck.

Oria Albert Brinkmeier, Lester Prairie

B.S. with high distinction '60, M.A. '62, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Relationship Between Organizational Climates and Selected Teacher Characteristics and Behavior. Major Adviser: Prof. C. P. Hooker.

Wesley Ray Burr, Tigard, Ore.

B.S. '60, M.S. '61, Brigham Young University. Major: Sociology. Minor: Supporting Program. Thesis: Marital Satisfaction: A Conceptual Reformulation, Theory and Partial Test of the Theory. Major Adviser: Prof. M. A. Straus.

Charles William Buzicky, St. Paul

B.A. '57, M.A. '60, University of Minnesota. Major: History. Minor: French. Thesis: C.C.C.C. MS. 415: An Edition and an Identification. Major Adviser: Prof. R. S. Hoyt.

Henry Clement Byerly, St. Paul

B.A. magna cum laude '57, M.A. '64, University of Minnesota. Major: Philosophy. Minor: Mathematics. Thesis: The Ontological Status of Theoretical Entities. Major Adviser: Prof. May Brodbeck.

Godehardo Belen Calleja, Legazpi City, Philippines

B.S.A. '59, University of the Philippines; M.S. '62, Ohio State University. Major: Microbiology. Minor: Biochemistry. Thesis: Cellular and Molecular Events in Bacterial Luminescence. Major Adviser: Prof. Palmer Rogers.

William Morton Carpenter, Waterville, Me.

B.A. '62, Dartmouth College. Major: English. Minor: Art History. Thesis: W. B. Yeats's Literary Use of the Renaissance. Major Adviser: Prof. L. H. Unger.

Teh-hsuan Chen, Nanking, China

B.S. '57, National Taiwan University; M.S. '62, Kansas State College of Pittsburg. Major: Physical Chemistry. Minor: Mathematics. Thesis: Effect of Exciting Wavelength and Foreign Gases on Fluorescence and Intersystem Crossing in Benzene Vapor. Major Adviser: Prof. Sanford Lipsky.

Fan-tih Chiang, Taipei, Taiwan, China

Catholic University of Peiping. Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Electrochemistry in Non-aqueous Solvents. Major Adviser: Prof. Stanley Bruckenstein.

Marvin Altyn Clark, Kenyon

B.S. '56, St. Cloud State Teachers College; M.A. '60, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Incidental Learning of Economics in Beginning Typewriting. Major Adviser: Prof. R. G. Price.

Ronald Dennis Cohen, Los Angeles, Calif.

B.A. '62, University of California; M.A. '64, University of Minnesota. Major: History. Minor: English. Thesis: Colonial Leviathan: New England Foreign Affairs in the Seventeenth Century. Major Adviser: Prof. D. B. Rutman.

William Eliot Coles, Jr., Cleveland, Ohio

B.A. with high honors '53, Lehigh University; M.A. '55, University of Connecticut. Major: English. Minor: History. Thesis: Novelist of Style: A Critical Reading of the Novels of Thomas Love Peacock. Major Adviser: Prof. G. R. Stange.

Michael Bernt Colligan, Ebro

B.S. with high distinction '61, M.S. in E.E. '63, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise Properties of Gold-Doped Silicon and Gold-Doped Germanium. Major Adviser: Prof. K. M. Van Vliet.

Paul Everett Collins, Brookings, S.D.

B.A. '39, Gustavus Adolphus College; B.S. with high distinction '48, M.S. '49, University of Minnesota. Major: Forestry. Minor: Genetics. Thesis: Hybridization Studies in the Genus *Ulmus*. Major Adviser: Prof. S. S. Pauley.

Thomas Walter Collins, Murphysboro, Ill.

B.S. with high honors '52, Southern Illinois Normal University. Major: Zoology. Minor: Botany. Thesis: Oxygen-uptake, Shell Morphology and Desiccation of the Fingernail Clam *Sphaerium occidentale* Prime. Major Adviser: Prof. Samuel Eddy.

Joseph Rudolph Conrad, Bowling Green, Mo.

B.S. '59, University of Missouri. Major: Physical Chemistry. Minor: Inorganic Chemistry. Thesis: The Reversible Photochemical Oxidation of Chlorophyll. Major Adviser: Prof. R. S. Livingston.

David A. Corsini, Westwood, Mass.

B.A. '61, Bowdoin College; M.A. '65, University of Minnesota. Major: Child Psychology. Minor: Psychology. Thesis: Developmental Changes in the Effectiveness of Verbal and Non-Verbal Cues for Short-Term Retention. Major Adviser: Prof. W. R. Charlesworth.

James Francis Cumming, Hudson, Wis.

B.A. with distinction '44, University of Saskatchewan; M.D. '47, University of Toronto. Major: Pharmacology. Minor: Biochemistry. Thesis: The Effect of Oxygen Tension on the Metabolism of Hexobarbital by the Rat. Major Adviser: Prof. G. J. Mannering.

Edward MacGregor Currie, Honolulu, Hawaii

B.S. '48, State University of Iowa; M.S. '65, University of Minnesota. Major: Business Administration. Minor: Supporting Program. Thesis: Raising Achievement Levels of Negro College Students in the Subject Field of Accounting. Major Adviser: Prof. R. G. Berryman.

Leonard J. Czuba, East Chicago, Ind.

B.A. '61, Indiana University. Major: Organic Chemistry. Minors: Physical and Analytical Chemistry. Thesis: The Syntheses of Angularly Substituted Hexahydrophenanthrones and Hexahydrofluorenones. Major Adviser: Prof. W. E. Parham.

Barton Eugene Dahneke, San Jose, Calif.

B.S. '63, M.S. '65, Brigham Young University. Major: Mechanical Engineering. Minor: Physical Chemistry. Thesis: Kinetics of the Chlorine Monofluoride Reaction. Major Adviser: Prof. E. A. Fletcher.

Basil (Vassilios) Diamantis, Athens, Greece

B.S. '48, University of Salonia, Greece. Major: Genetics. Minor: Statistics. Thesis: A Mathematical Investigation of the Induced Mutation Rate Which is Optimum for Genetic Improvement. Major Adviser: Prof. R. E. Comstock.

Mustafa Dilber, Istanbul, Turkey

B.A. '63, Robert College, Turkey. Major: Business Administration. Minors: Economics and Psychology. Thesis: Management in the Turkish Private Sector Industry. Major Adviser: Prof. A. R. Solem.

Joseph Francis Dooley, New York, N.Y.

B.S. '63, Fordham University. Major: Organic Chemistry. Minors: Physical Chemistry and Biochemistry. Thesis: Acetoxycyclopropanes as Intermediates for Syntheses of Heterocyclic Compounds. Major Adviser: Prof. W. E. Parham.

Sidney Wayne Eckert, Richton Park, Ill.

B.S. '56, M.A. '60, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Effect of the Use of Overhead Transparencies on Achievement and Retention in General Business. Major Adviser: Prof. R. G. Price.

Larry Dean Edwards, Rochester, N.Y.

B.S. with honors '63, State College of Washington. Major: Organic Chemistry. Minors: Inorganic and Physical Chemistry. Thesis: Study of the Punmerer Reaction. Major Adviser: Prof. W. E. Parham.

Andrew Rogness Een, Mankato

B.S. '43, Mankato State College; M.A. '51, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: The Comparability of Selected Academic Course Grades and of Ratings of Elementary Education Graduates of a Selected State College by College Supervisors and School Employers. Major Adviser: Prof. O. E. Domian.

Lauren Elton Ekroth, Superior, Wis.

B.S. '56, M.A. '58, University of Minnesota. Major: Speech, Communication, and Theatre Arts. Minor: Supporting Program. Thesis: The Study of Face-to-Face Communications Between Cultures: Present Status and Directions. Major Adviser: W. S. Howell.

Souheir A. M. El Defrawy, Cairo, United Arab Republic

B.Pharm. '58, Cairo University, Egypt. Major: Pharmacology. Minor: Biochemistry. Thesis: Studies on the Sex-Dependent Differences in Drug Metabolism in the Rat. Major Adviser: Prof. G. J. Mannering.

Paul Rex Farnham, Alexandria, Va.

B.S. '53, Western Maryland College; M.S. '60, Virginia Polytechnic Institute. Major: Geology. Minor: Geophysics. Thesis: Crustal Structure in the Keweenaw Province of East-Central Minnesota and Western Wisconsin. Major Adviser: Prof. J. C. Craddock.

Kuo Ao Feng, Anhwei, China

B.S. '47, National Cheng Chung University; M.A. '52, Colorado State College. Major: Plant Pathology. Minor: Botany. Thesis: Effects of N-1-Naphthylphthalamic Acid on Growth and Bud Formation of Tobacco Callus *in vitro*. Major Adviser: Prof. A. J. Linck.

Joseph Jerome Ferretti, Chicago, Ill.

B.S. '60, Loyola University. Major: Biochemistry. Minor: Microbiology. Thesis: Studies on the Control of Macromolecular Synthesis in Synchronous Populations of *Rhodospseudomonas spheroides*. Major Adviser: Prof. E. D. Gray.

Larry Wayne Finger, Tracy

B.S. '62, University of Minnesota. Major: Geology. Minor: Electrical Engineering. Thesis: The Crystal Structures and Crystal Chemistry of Ferro-Magnesian Amphiboles. Major Adviser: Prof. Tibor Zoltai.

Lyle David Finn, Patch Grove, Wis.

B.S. in C.E. '64, Wisconsin State College and Institute of Technology; M.S. in C.E. '65, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: An Investigation into the Granular Pressures in Metal Tanks. Major Adviser: Prof. Paul Andersen.

Kenneth Richard Fletcher, St. Louis Park

B.A. '51, St. Olaf College; M.A. '55, Colorado State College. Major: Educational Psychology. Minor: Education. Thesis: Congruence of Self and Ideal-Self in Original and Non-Original High School Seniors. Major Adviser: Prof. C. A. Parker.

Eugene Roy Frank Flug, Menomonie, Wis.

B.B.A. '49, M.A. '59, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: An Experimental Evaluation of Selected Presentation Modes in the Self Instructing of a Manipulative Industrial Arts Learning Task. Major Adviser: Prof. H. F. Nelson.

James Donald Froyd, Rochester, N.Y.

B.S. '61, Denison University; M.S. '64, University of Minnesota. Major: Plant Pathology. Minor: Supporting Program. Thesis: Bacterial Blight of Mock Orange (*Philadelphus*) Caused by *Pseudomonas syringae*. Major Adviser: Prof. M. F. Kernkamp.

Tsun-sen Fu, Canton, China

B.S. '59, M.S. '61, Taiwan Provincial Cheng Kung University. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Viscous Instability of Asymmetrical Parallel Flows in Channels. Major Adviser: Prof. D. D. Joseph.

- George Wilbur Garlid, Prescott, Wis.
B.A. '49, M.A. '52, University of Minnesota. Major: History. Minor: Political Science. Thesis: Politics in Minnesota and American Foreign Relations: 1921-1941. Major Adviser: Prof. W. D. Beatty.
- Jon Heller Goldstein, Claremont, Calif.
B.A. *cum laude* '59, Oberlin College. Major: Economics. Minor: Political Science. Thesis: An Economic Analysis of the Wetlands Problem in Minnesota. Major Adviser: Prof. O. H. Brownlee.
- Joseph Goldstein, Haifa, Israel
B.A. '58, Hebrew University, Jerusalem; M.A. '61, University of Minnesota. Major: Education. Minor: History and Philosophy of Education. Thesis: Comparative Analysis of Teacher Education Programs for Israeli Elementary Schools, 1948-1965. Major Adviser: Prof. R. E. Eckert.
- Charles Homer Good, Minneapolis
B.A. *magna cum laude* '48, University of Minnesota. Major: Anatomy. Minor: Neurology. Thesis: Electron Microscopy of the Central Nervous System: Examination of Selected Structures: Their Relationship to Functional Models and to Problems of Preparation Artifact. Major Adviser: Dr. Anna-Mary Carpenter.
- David George Green, Winnipeg, Manitoba, Canada
B.S. '61, University of Manitoba; M.S. '63, Michigan State University. Major: Agricultural Plant Physiology. Minor: Biochemistry. Thesis: Germination and Seedling Development of Soybeans in a Carbon Dioxide Deficient Atmosphere. Major Adviser: Prof. T. W. Sudia.
- William Lindsay Griffin, San Gabriel, Calif.
B.S. '64, M.S. '67, Stanford University. Major: Geology. Minor: Supporting Program. Thesis: Geology of the Babbitt-Embarrass Area, St. Louis County, Minnesota. Major Adviser: Prof. W. C. Phinney.
- Ralph Wilhelm Gundersen, St. Cloud
B.S. *cum laude* '59, Hamline University; M.S. '62, University of Minnesota. Major: Entomology. Minor: Botany. Thesis: Taxonomic Revision of the Genus *Enochrus*, Subgenera *Enochrus* and *Methydrus* for the Nearctic Region (Hydrophilidae: Coleoptera). Major Adviser: Prof. E. F. Cook.
- Richard Allen Hager, Minneapolis
B.Phys. with distinction '61, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: Local Behavior of Solutions of Quasilinear Parabolic Equations. Major Adviser: Prof. J. B. Serrin.
- Charles Mack Hall, El Dorado, Ark.
B.A. '63, University of the South, Tennessee. Major: Organic Chemistry. Minors: Physical and Inorganic Chemistry. Thesis: Studies of Some Anthracene Derivatives. Major Adviser: Prof. S. W. Fenton.
- Henry Earnest Halladay, Minneapolis
B.S. with high distinction '62, M.S. in E.E. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in MOS Field-Effect Transistors. Major Adviser: Prof. Aldert van der Ziel.
- Alvin Roland Hallgren, St. Paul
B.S. with distinction '49, University of Minnesota; M.F. '50, Yale University. Major: Forestry. Minor: Soil Science. Thesis: The Development of Timber Sale Policies and Practices on State-Owned Land in Minnesota. Major Advisers: Prof. R. A. Skok and Prof. F. D. Irving.
- Russell Galen Hanson, Benson
B.A. '59, M.A. '62, University of Minnesota. Major: Sociology. Minor: Mass Communications. Thesis: The Crisis of Benson: A Small Town Orients to the Mass Society. Major Adviser: Prof. D. A. Martindale.
- Evelyn Payne Hatcher, Minneapolis
B.A. '42, University of California; M.A. '54, University of Chicago. Major: Anthropology. Minor: Supporting Program. Thesis: Navaho Art: A Methodological Study in Visual Communication. Major Adviser: Prof. E. A. Hoebel.
- Peter Swift Hauge, Minneapolis
B.S. '61, M.S. in E.E. '63, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Microwave Magneto-Kerr Effect in Germanium and Silicon and Its Application to Studies of Carrier Relaxation Time and Effective Mass. Major Adviser: Prof. K. S. Champlin.
- Thor Alexander Hertsgaard, Fargo, N.D.
B.S. '55, M.S. '58, North Dakota State University. Major: Agricultural Economics. Minor: Economics. Thesis: Comparative Advantage Analysis of Meat and Poultry Production in the United States. Major Adviser: Prof. H. R. Jensen.

Tsuyoshi Hiroki, Tokyo, Japan

B.S. '60, University of Tokyo; M.S. in M.E. '65, University of Minnesota. Major: Mechanical Engineering. Minors: Aeronautical Engineering and Mathematics. Thesis: A Theoretical Study on Combustion and Extinguishment of Solid Propellant Rocket Motors During Rapid Depressurization. Major Adviser: Prof. E. A. Fletcher.

Leota Keir Hirsch, Chicago, Ill.

B.A. '58, M.A. '59, Drake University. Major: English. Minor: History. Thesis: The Literary Milieu in the Seventeenth-Century South. Major Adviser: Prof. J. C. Levenson.

Joy Alice Holm, Oak Park, Ill.

B.F.A. '52, University of Illinois; M.S. '57, Illinois Institute of Technology. Major: Education. Minor: Art. Thesis: An Investigation of Some Relationships Among Components of Anxiety and Relation-Perceiving Functions as Represented in Perspective Drawings. Major Adviser: Prof. W. R. Hastie.

Margalith Holzinger, Tel Aviv, Israel

M.A. '59, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: Personality and Behavioral Characteristics of Able and Less Able Readers of Elementary School Age. Major Adviser: Prof. B. E. Baiow.

Michael James Hopper, Arcadia, Calif.

B.A. '62, University of California. Major: Physical Chemistry. Minor: Supporting Program. Thesis: Infrared Intensities of the Carbonyl Halides, the Thiocarbonyl Halides and cis and trans Dichloroethylene. Major Adviser: Prof. John Overend.

Margaret Eileen Horsnell, Moose Lake

B.A. '61, M.A. '63, University of Minnesota. Major: History. Minor: Supporting Program. Thesis: Spencer Roane: Judicial Advocate of Jeffersonian Principles. Major Adviser: Prof. P. L. Murphy.

John David Hyslop, Fulda

B.A. '55, Macalester College; M.S. '62, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Price-Quality Relationships in Spring Wheat. Major Adviser: Prof. R. P. Dahl.

Benjamin L. Israel, Long Beach, N.Y.

B.S. *cum laude* '47, M.A. '49, New York University. Major: Education. Minor: Curriculum and Instruction. Thesis: Relationship Between Teachers' Expressed Attitudes, Opinions and Beliefs Regarding Minority Ethnic and Racial Groups and Their Effectiveness as Classroom Teachers in Elementary Schools in Disadvantaged Urban Areas. Major Adviser: Prof. J. R. Curtin.

Dah-Teng Jeng, Ping Tung, Taiwan

B.S. in M.E. '62, National Taiwan University; M.S. in A.E. '65, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: An Application of the Wiener-Hermite Expansion Method to the Theory of Homogenous Turbulence. Major Adviser: Prof. W. C. Meecham.

Dennis Charles Johnson, Tyler

B.A. '63, Bethel College. Major: Analytical Chemistry. Minors: Inorganic and Physical Chemistry. Thesis: Application of the Rotating Ring-Disc Electrode to the Study of Heterogeneous and Homogeneous Reactions. Major Adviser: Prof. Stanley Bruckenstein.

Herbert McGlashan Juneau, Minneapolis

B.S. '61, Swarthmore College; M.S. in E.E. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Static Characterization of PN Junction Devices Employing Bulk Conductivity Modulation. Major Adviser: Prof. Allen Nussbaum.

Sharad Ramchandra Kane, Bhopal, M.P., India

B.S. '56, University of Poona, India; M.S. '60, Gujarat University, India. Major: Physics. Minor: Mathematics. Thesis: Application of an Integrating Type Ionization Chamber to Measurements of Radiation in Space. Major Adviser: Prof. J. R. Winckler.

Bradlee Karan, Rural Ridge, Pa.

B.A. with highest distinction '60, Pennsylvania State University; M.A. '64, University of Minnesota. Major: Political Science. Minor: Anthropology. Thesis: Judges and Party in Reapportionment Cases. Major Adviser: Prof. F. J. Sorauf.

Emil Joseph Karioth, Fresno, Calif.

B.A. '63, M.A. '64, San Fernando Valley State College. Major: Speech, Communication, and Theatre Arts. Minor: Supporting Program. Thesis: Creative Dramatics as an Aid in Developing Creative Thinking Abilities. Major Adviser: Prof. K. L. Graham.

Conrad Glenn Katzenmeyer, Hayward
B.A. magna cum laude '59, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Revision, Standardization, and Validation of the Lykken 'Activity Preference Questionnaire.' Major Adviser: Prof. D. T. Lykken.

Muhammad Ahsan Khan Khalil,
Chittagong, Pakistan

B.S. '37, M.S. '39, Aligarh Muslim University, India. Major: Forestry. Minor: Supporting Program. Thesis: Growth Patterns of *Pinus sylvestris* L. Provenances in Minnesota. Major Adviser: Prof. S. S. Pauley.

Kwan Suk Kim, Seoul, Korea

B.A. '59, Seoul National University; M.A. '61, University of Minnesota. Major: Economics. Minor: Political Science. Thesis: A Model of Growth and Trade in a Dual Economy. Major Adviser: Prof. J. S. Chipman.

Mary Kathryn Klaurens, Minneapolis

B.S. '59, M.A. '65, University of Minnesota. Major: Education. Minor: Supporting Program. Thesis: The Underlying Sources of Job Satisfaction of Distributive Education Student-trainees. Major Adviser: Prof. W. G. Meyer.

Philip Rex Kleitz, Craig, Colo.

B.A. '56, University of Colorado; M.A. '58, University of Washington. Major: Speech, Communication, and Theatre Arts. Minor: English. Thesis: Nicholas Rowe: Developer of the Drama of Sympathy. Major Advisers: Prof. J. D. Hurrell and Prof. F. M. Whiting.

George Klinger, Minneapolis

B.A. magna cum laude '53, University of Minnesota. Major: Philosophy. Minor: Sociology. Thesis: Radical Realism, Sense-Contents and Ontology: A Critical Examination of Some Aspects of Tadeusz Kotarbinski's Philosophy. Major Adviser: Prof. Herbert Feigl.

John Harold Konnert, Kingsville,
Ohio

B.A. '63, Wooster College. Major: Physical Chemistry. Minor: Inorganic Chemistry. Thesis: The Structures of Several Cyano Compounds of Sulfur, Silicon, Germanium, and Tin. Major Adviser: Prof. J. D. Britton.

Jess Frank Kraus, Pomona, Calif.

B.A. '59, M.A. '63, Sacramento State College; M.P.H. '64, University of California. Major: Environmental Health. Minor: Epidemiology. Thesis: An Epidemiologic Investigation of Predictor Variables Associated with Intramural Touch Football Injuries. Major Adviser: Prof. R. G. Bond.

Vlassios Demetrios Krentos,
Rizokarpasso, Cyprus

B.T.S. '49, University of Manchester, England. Major: Soil Science. Minor: Supporting Program. Thesis: Micronutrient Supply of Surface Horizons from Selected Minnesota Soils to the Soybean Plant, *Glycine max.* (L.) Merrill as Related to Certain *Rhizobium japonicum* Strains. Major Adviser: Prof. R. H. Rust.

William Kreutner, Brooklyn, N.Y.

B.S. in Pharmacy magna cum laude '62, Brooklyn College of Pharmacy. Major: Pharmacology. Minor: Biochemistry. Thesis: Metabolic Changes in Liver Produced by Glycogenic Agents. Major Adviser: Dr. F. E. Shide-man.

Roger Allan Larson, Bloomington

B.B.A. '54, M.A. '61, University of Minnesota. Major: Education. Minors: Business Administration and Economics. Thesis: A Comparative Study of Retailing and Non-Retailing Students in the General College. Major Adviser: Prof. R. G. Price.

Lee Edward Layton, St. Louis, Mo.

B.A. '57, M.A. '62, Washington University. Major: Economics. Minor: Business Administration. Thesis: Medical Care and Economic Security: A Study of Selected Foreign Programs. Major Adviser: Prof. J. G. Turnbull.

Hsin-yi Lee, Taipei, Taiwan, China

B.S. '59, National Taiwan University; M.A. '64, Oberlin College. Major: Zoology. Minor: Microbiology. Thesis: Studies on Some Aspects of the Role of Sulfhydryl Groups in Morphogenesis of the Early Chick Embryo. Major Adviser: Prof. N. T. Spratt, Jr.

Prabodh Trimbak Lele, Minneapolis

B.E. '58, Maharaja Sayajirao University of Baroda, India; M.S. in M.E. '62, University of Minnesota. Major: Industrial Engineering. Minor: Mathematics. Thesis: Optimal Replacement Policies for Capital Units Which Fail Randomly with Time Horizon Infinite, Finite, or Random. Major Adviser: Prof. G. W. McElrath.

Walter Joseph Lonner, Butte, Mont.

B.A. '56, M.A. '62, Montana State University. Major: Educational Psychology. Minor: Psychology. Thesis: Cross-Cultural Measurement of Vocational Interests. Major Advisers: Prof. D. P. Campbell and Prof. J. C. Merwin.

Francis Anthony Lonsway, Berwick,
Ohio

B.A. '61, University of Dayton; M.A. '64, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Background Characteristics and Personality Traits of Catholic First-Year Theological Students. Major Adviser: Prof. R. E. Eckert.

William George Loy, Duluth

B.A. *cum laude* '58, University of Minnesota; M.S. '62, University of Chicago. Major: Geography. Minor: Geology. Thesis: The Late Bronze Age Landscape of the Southwest Peloponnese. Major Adviser: Prof. F. E. Lukermann.

Sister Catherine MacNeil, Antigonish,
Nova Scotia, Canada

B.S. *magna cum laude* '52, Saint Francis Xavier University, Canada; M.S. '56, University of Minnesota. Major: Education. Minor: Nutrition. Thesis: A Comparative Study of Two Instructional Methods Employed in Teaching Nutrition: Lecture-Discussion and Self-Directed Study. Major Adviser: Prof. R. R. Ford.

Norbert William Maertens, Fairmont

B.S. '58, Mankato State College; M.A. '60, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: An Analysis of the Effect of Arithmetic Homework upon the Arithmetic Achievement of Third Grade Students. Major Adviser: Prof. J. E. Stoehl.

Paul Donald Manion, Hopkins

B.S. '62, M.S. '65, University of Minnesota. Major: Plant Pathology. Minor: Biochemistry. Thesis: Factors Affecting the Germination of Basidiospores of the Heart Rot Fungus, *Fomes ignarius*, in the Infection of Trembling Aspen. Major Adviser: Prof. D. W. French.

Stephen T. Margulis, Gainesville, Fla.

B.A. '56, City College of New York; M.A. '59, Clark University. Major: Psychology. Minor: Educational Psychology. Thesis: On the Loss of a Partner: The Effects of Responsibility on Post-Decisional Reevaluation Processes. Major Adviser: Prof. Dana Bramel.

Crispin Chio Maslog, Tagbilaran,
Bohol, Philippines

Litt.B *magna cum laude* '55, University of Santo Tomas, Philippines; M.A. '62, University of Minnesota. Major: Mass Communications. Minor: Political Science. Thesis: Filipino and Indian Students' Images: of Themselves, of Each Other, and of the United States. Major Adviser: Prof. R. B. Nixon.

Benjamin Joe McCoy, Lavale, Md.

B.S. in C.E. with distinction '63, Illinois Institute of Technology; M.S. in C.E. '64, University of Minnesota. Major: Chemical Engineering. Minor: Mathematics. Thesis: The Kinetic Theory of Second-Order Transport Relations. Major Adviser: Prof. J. S. Dahler.

Emmett Lee McCune, Columbia, Mo.

B.S.A. '56, D.V.M. '56, M.S. '61, University of Missouri. Major: Veterinary Bacteriology. Minor: Physiological Chemistry. Thesis: The Effect of Growth Conditions on *Mycoplasma synoviae*. Major Adviser: Prof. B. S. Pomeroy.

John Carter McMunn, Villa Ridge,
Ill.

B.S. '58, M.S. '60, University of Illinois. Major: Mechanics and Materials. Minor: Mathematics. Thesis: Multi-Parameter Optimum Damping in Linear Dynamical Systems. Major Adviser: Prof. Robert Plunkett.

William Craig Metcalfe, Toronto,
Ontario, Canada

B.A. '58, University of Toronto; M.A. '59, University of Minnesota. Major: History. Minor: Spanish. Thesis: The Public Career of Thomas Howard, First Earl of Suffolk: 1603-1618. Major Adviser: Prof. D. H. Willson.

Lois Irene Meyer, Fort Collins, Colo.

B.A. in Ed. with honors '48, Wayne State Teachers College, Nebraska; M.Bus.Ed. '56, University of Colorado. Major: Education. Minor: Business Administration. Thesis: A Test of the Validity of a Measure of Difficulty of Shorthand Dictation Materials. Major Adviser: Prof. R. G. Price.

Marlen Frederick Miller, Pine City

B.S. '62, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: A Measurement of Factor Productivities in Minnesota Agriculture. Major Adviser: Prof. H. R. Jensen.

Calvin David Mortensen, Seattle,
Wash.

B.A. '62, Bethel College; M.A. '64, University of Minnesota. Major: Speech, Communication, and Theatre Arts. Minor: Supporting Program. Thesis: A Comparative Analysis of Political Persuasion on Four Telecast Program Formats in the 1960 and 1964 Presidential Campaigns. Major Adviser: Prof. E. G. Borrmann.

Richard Wayne Murray, Livingston, La.

B.A. '62, M.A. '63, Louisiana State University. Major: Political Science. Minor: History. Thesis: The Political Thought of Moisei Ostrogorski: Democracy, Organization, and Political Parties. Major Adviser: Prof. M. Q. Sibley.

Duane Theodor Napp, Austin

B.S. '56, University of Minnesota; M.A. '61, University of Michigan. Major: Analytical Chemistry. Minor: Chemistry. Thesis: Steady-State and Non-Steady-State Voltammetric Studies with the Rotating Ring-Disc Electrode. Major Adviser: Prof. Stanley Bruckenstein.

John Hjort Ness, Duluth

B.A. '57, St. Olaf College; M.A. '59, University of Minnesota. Major: Speech, Communication, and Theatre Arts. Minor: History. Thesis: The Effects of a Beginning Speech Course on Critical Thinking Ability. Major Adviser: Prof. W. S. Howell.

Jonathan Fairfield Ornes, Colorado Springs, Colo.

B.S. '61, Stanford University; M.S. '66, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Proton and Helium Nuclei Cosmic Ray Spectra and Modulations between 100 and 2000 MeV/nucleon. Major Adviser: Prof. W. R. Webber.

Robert Sidharthan Perinbanayagam, Manipay, Ceylon

B.A. '59, University of Ceylon; M.A. '64, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: Failure and the Self. Major Adviser: Prof. G. P. Stone.

William Porter Pratt, Jr., Hingham, Mass.

B.A. cum laude '61, Amherst College. Major: Physics. Minor: Mathematics. Thesis: Ion Trapping in Rotating Superfluid Liquid Helium under Pressure. Major Adviser: Prof. William Zimmerman, Jr.

Paul Blaisdell Queneau, Fairfield, Conn.

B.Met.E. '64, Cornell University. Major: Metallurgical Engineering. Minor: Inorganic Chemistry. Thesis: The Kinetics of the Dissolution of Scheelite in Basic Aqueous Solutions. Major Adviser: Prof. S. R. B. Cooke.

George Douglas Raithby, London, Ontario, Canada

B.E.Sc. '62, M.E.Sc. '63, University of Western Ontario. Major: Mechanical Engineering. Minor: Mathematics. Thesis: The Effect of Turbulence Parameters and Support Position on the Heat Transfer From, and Flow Around, Spheres. Major Adviser: Prof. E. R. G. Eckert.

Ramachandra Ramanathan, Madras, India

M.A. '56, University of Madras, India. Major: Economics. Minor: Mathematics. Thesis: An Econometric Exploration of Indian Saving Behavior. Major Adviser: Prof. E. Scott Maynes.

Ghassan Noel Rassam, Baghdad, Iraq

B.S. '60, University of Baghdad; M.S. '62, Miami University. Major: Geology. Minor: Mineralogy and Petrology. Thesis: Studies on the Platteville Formation of Minnesota, Iowa, and Wisconsin. Major Adviser: Prof. D. L. Graf.

Charles Wesley Rebstock, Lubbock, Tex.

B.S. '47, M.S. '55, Mankato State Teachers College. Major: Education. Minor: Educational Administration. Thesis: Changes in the Personality, Values, Attitudes, and Verbal Behavior of Student Teachers Through the Use of Certain Objective Observational Techniques. Major Adviser: Prof. G. M. A. Mork.

John James Ritchie, Roblin, Manitoba, Canada

B.S. '49, University of Manitoba; M.S. '53, Pennsylvania State College. Major: Food Science and Industries. Minor: Agricultural Biochemistry. Thesis: The Study of Factors Influencing the Oxidation of Fat in Dry Whole Milk. Major Adviser: Prof. S. T. Coulter.

Irwin Harvey Roazen, Westfield, Mass.

B.S. '49, Tufts College. Major: Psychology. Minor: Educational Psychology. Thesis: Effects on Pain Threshold of Concomitant Distraction and Past Distraction. Major Adviser: Prof. W. A. Russell.

James Martin Rosen, Minneapolis

B. of Phys. with distinction '62, M.S. '64, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Stratospheric Dust. Major Adviser: Prof. E. P. Ney.

Charles John Rostek, Greenburg, Pa.

B.S. '63, Carnegie Institute of Technology. Major: Organic Chemistry. Minors: Physical Chemistry and Biochemistry. Thesis: Preparation of Substituted Cyclobutenes. Major Adviser: Prof. R. M. Dodson.

William Rudoy, Pittsburgh, Pa.

B.S. in M.E. with high honor '43, University of Pittsburgh; M.S. in M.E. '61, Carnegie Institute of Technology. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Local Heat Transfer Measurements for R-11 Condensing With and Without the Presence of a Noncondensing Gas. Major Adviser: Prof. W. E. Ibele.

Paul Rupprecht, Minneapolis

B.S. '51, North Dakota Agricultural College; M.A. '52, University of Minnesota. Major: Political Science. Minor: History. Thesis: The Image of Hungary's International Position in American Foreign Policy-Making, 1937-1947. Major Adviser: Prof. C. H. McLaughlin.

Cecil Henry Sangster, Calgary,
Alberta, Canada

B.Ed. '50, M.Ed. '56, University of Alberta. Major: Educational Psychology. Minor: Child Psychology. Thesis: Patterns of Teaching Effectiveness Among Fifth Grade Teachers. Major Adviser: Prof. M. C. Reynolds.

David Bruce Sauer, Akron, Ohio

B.A. '61, Kent State University; M.S. '64, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: Fungus Flora, Germinability and Fat Acidity Values of Stored Corn. Major Adviser: Prof. C. M. Christensen.

William John Schafer, Berea, Ky.

B.A. '59, Earlham College; M.A. '64, University of Minnesota. Major: English. Minor: Art History. Thesis: The Sources of Augustan Satire: Polemic and Poetry. Major Adviser: Prof. S. H. Monk.

Esta Klein Seaton, Atlanta, Ga.

B.A. '45, M.A. '46, New York University. Major: American Studies. Thesis: The Changing Image of the American Woman in a Mass-Circulation Periodical: *The Ladies' Home Journal*, 1890-1919. Major Adviser: Prof. M. Q. Sibley.

John Stephen Shea, University City,
Mo.

B.A. *summa cum laude* '54, Iona College; M.A. '56, Marquette University. Major: English. Minor: Latin. Thesis: Studies in the Verse Fable from LaFontaine to Gay. Major Adviser: Prof. S. H. Monk.

William F. Sheldon, Salina, Kan.

B.A. '60, University of Kansas. Major: History. Minor: Political Science. Thesis: The Intellectual Development of Justus Moser: The Growth of a German Patriot. Major Adviser: Prof. W. E. Wright.

Ching-Cheng Shir, Ilan, Taiwan, Free
China

B.S. '62, National Taiwan University; M.S. in A.E. '65, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Convective Instability in a Temperature and Concentration Field. Major Adviser: Prof. D. D. Joseph.

Ted Curtis Smythe, Tacoma, Wash.

B.S. '54, Sterling College; M.S. '62, University of Oregon. Major: Mass Communications. Minor: History. Thesis: A History of the Minneapolis Journal, 1878-1939. Major Adviser: Prof. W. E. Emery.

Robert Lowell Sorenson, Minneapolis

B.A. '62, University of Minnesota. Major: Anatomy. Minor: Biochemistry. Thesis: The Isolation and Structure of the Goosefish Insulin Secretion Granule. Major Adviser: Dr. A. W. Lindall.

Sheldon Bert Sparber, Minneapolis

B.S. in Pharmacy '60, Brooklyn College of Pharmacy. Major: Pharmacology. Minor: Psychology. Thesis: The Effect of Centrally Acting Drugs, Administered During Embryogenesis, Upon Behavioral and Biochemical Development. Major Adviser: Dr. F. E. Shideman.

Genevieve Elaine Stang, Pontiac, Ill.

B.S. '53, M.S. '60, Illinois State Normal University. Major: Education. Minor: Curriculum and Instruction. Thesis: The Effect of a Micro-Teaching Experience on Modifying the Attitudes Towards Teaching Science Held by Prospective Elementary Women School Teachers. Major Adviser: Prof. C. J. Hoyt.

Charles Henri Stapper, Jr., Fridley

B.S. in E.E. '59, M.S. in E.E. '60, Syracuse University. Major: Electrical Engineering. Minor: Physics. Thesis: Theoretical Magnetization Distributions in Ferromagnetic Spheres. Major Adviser: Prof. W. F. Brown, Jr.

**John Conrad Steinhilber, St. Louis
Park**

B.A. '59, Hamline University. Major: Psychology. Minor: Psychiatry. Thesis: Bias and Change in Therapists' Ratings of Patients' Interpersonal Behavior Over a Period of Psychotherapy. Major Adviser: Prof. R. D. Wirt.

**Robert Farrell Strahan, Pittsburg,
Kan.**

B.A. '61, Kansas State College of Pittsburg. Major: Psychology. Minor: Supporting Program. Thesis: A Study of Speech Anxiety. Major Adviser: Prof. D. T. Lykken.

Ming-Yang Su, Taipei, Taiwan, China

B.S. '61, National Taiwan University; M.S. '64, Virginia Polytechnic Institute. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Wiener-Hermite Expansion for Statistical Burgers' Model Equation. Major Adviser: Prof. W. C. Meecham.

**Mahmoud Taher, Cairo, United Arab
Republic**

B.S. '40, Fouad First University, Egypt; M.S. '57, University of Minnesota. Major: Entomology. Minor: Organic Chemistry. Thesis: Some Physiological Effects of Sublethal Doses of DDT on Flour Beetles. Major Adviser: Prof. L. K. Cutkomp.

Agnes Wen Hui Tan, Hong Kong

B.A. '63, Viterbo College. Major: Biochemistry. Minor: Organic Chemistry. Thesis: The Effect of Hypophysectomy and Growth Hormone Treatment on Arginine-Guanido-C¹⁴ Conversion to Creatine in the Rat. Major Adviser: Prof. Frank Ungar.

**Conchita Abella Tan, Rizal,
Philippines**

B.S. *magna cum laude* '55, Philippine Normal College; M.A. '61, Philippine Women's University; M.A. '64, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: Creativity in Teaching. Major Adviser: Prof. D. C. Neale.

Gerald Wayne Timm, Garfield

B.S. in E.E. '63, M.S. in E.E. '65, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Fluctuation Phenomena in Low-Level Light Devices. Major Adviser: Prof. Aldert van der Ziel.

**Robert Steven Torrest, New York,
N.Y.**

B.S. '63, Polytechnic Institute of Brooklyn. Major: Chemical Engineering. Minor: Metallurgical Engineering. Thesis: Mixing and Chemical Reaction in Turbulent Shear Flows. Major Adviser: Prof. W. E. Ranz.

**Joseph George Turcotte, Peace Dale,
R.I.**

B.S. in Pharmacy '58, M.S. in Pharmacy '60, Massachusetts College of Pharmacy. Major: Pharmaceutics. Minor: Organic Chemistry. Thesis: The Synthesis and Pharmacological Activity of Some 2-Oxa-5-Azabicyclo (2.2.1) heptane, Derivatives. Major Adviser: Prof. P. S. Portoghesse.

John Victor Tyberg, St. Paul

B.A. with highest honors '60, Bethel College. Major: Physiology. Minor: Biochemistry. Thesis: Some Factors Affecting Potassium Exchange Kinetics in Amphibian Atrial Myocardium. Major Adviser: Prof. Victor Lorber.

Mary Louise Vincent, Hiram, Ohio

B.S. '38, M.A. '43, University of Minnesota. Major: English. Minor: French. Thesis: Lafcadio Hearn and Late Romanticism. Major Adviser: Prof. L. H. Ungar.

**John Anthony Visvader, New York,
N.Y.**

B.A. '60, City College of New York. Major: Philosophy. Minor: Supporting Program. Thesis: The Other-Minds Problem. Major Adviser: Prof. H. E. Mason.

Jean Worrall Ward, Minneapolis

B.A. *cum laude* '52, M.A. '61, University of Minnesota. Major: American Studies. Thesis: Value Contradictions in Contemporary American Conservatism. Major Adviser: Prof. David Cooperman.

**Benjamin Franklin Watson, Farmers-
burg, Ind.**

B.A. '57, Indiana University; M.S. '65, University of Minnesota. Major: Microbiology. Minor: Biochemistry. Thesis: Carbohydrate Metabolism in a Fruiting Myxobacterium. Major Adviser: Prof. Martin Dworkin.

Roland Everette Weber, Lakefield
B.S. with high distinction '62, M.S. in E.E. '64, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Work Function Studies of Alkali-Covered Semiconductors. Major Adviser: Prof. W. T. Peria.

George Francis Wedge, Lawrence,
Kan.

B.A. *cum laude* '52, Middlebury College; M.A. '55, University of Minnesota. Major: English. Minor: Latin. Thesis: Alexander Neckam's *De Rerum: A Study, Together with Representative Passages in Translation*. Major Adviser: Prof. J. W. Clark.

Eugene David Weinstein, Pittsburgh,
Pa.

B.A. '54, M.A. '56, University of Pittsburgh. Major: American Studies. Thesis: *The Ignoble Lie—National Interest Ideology in American Civilization*. Major Adviser: Prof. M. Q. Sibley.

Charles Walker Whitman,
Montpelier, Idaho

B.A. '57, M.A. '58, Brigham Young University. Major: Speech, Communication, and Theatre Arts. Minors: Classics and Scandinavian. Thesis: *A History of the Hill Cumorah Pageant (1937-1964) and an Examination of the Dramatic Development of the Text of America's Witness for Christ*. Major Adviser: Prof. K. L. Graham.

Robert Henry Willoughby, Wilkes-
Barre, Pa.

B.A. '60, Gettysburg College; M.S. '62, University of Pittsburgh. Major: Child Psychology. Minor: Psychology. Thesis: *The Effects of Time-Out from Positive Reinforcement on the Operant Behavior of Preschool Children*. Major Adviser: Prof. W. W. Hartup.

Jing-Jyi Wu, Taiwan, China

B.A. '62, National Chengchi University. Major: Educational Psychology. Minor: Supporting Program. Thesis: *Cognitive Style and Task Performance: A Study of Student Teachers*. Major Adviser: Prof. R. E. Wilk.

Mary Kathleen Yaris, St. Louis, Mo.

B.S. '61, University of Illinois. Major: Physical Chemistry. Minor: Physics. Thesis: *On the Optical Activity of the Twisted Double Bond*. Major Adviser: Prof. A. J. Moscovitz.

Iee Nee Yoon, Canton, Mo.

B.A. '55, Lynchburg College; M.A. '58, University of Minnesota. Major: Economics. Minor: Business Administration. Thesis: *The Conventional Mortgage Loans of Savings and Loan Associations*. Major Adviser: Prof. H. M. Smith.

Hao-sheng Yu, Taipei, Taiwan, China

B.S. in Eng. '57, National Taiwan University; M.S. in M.E. '62, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: *Stratified Flow in Horizontal Ducts*. Major Advisers: Prof. E. M. Sparrow and Prof. K. T. Whitby.

Doctor of Philosophy in Medicine

Athanasios Theologides, Ptolemais,
Greece

M.D. '55, Aristoteles University of Salonika. Major: Medicine (Internal). Minor: Biochemistry. Thesis: *Nucleic Acid and Phospholipid Synthesis in the Regenerating Liver of Tumor Bearing Mice*. Major Adviser: Dr. B. J. Kennedy.

Doctor of Philosophy in Surgery

Donald Maxwell Coder, Evanston, Ill.

B.A. '58, M.D. '62, Northwestern University. Major: Surgery. Minor: Pathology. Thesis: *A Physiological and Histological Study of Ex-plantated Vagally Innervated Gastric Mucosa in the Dog*. Major Adviser: Dr. G. A. Hallenbeck.

George Edward Duvoisin, Clearwater
Beach, Fla.

B.A. '53, Williams College; M.D. '57, Emory University. Major: Surgery. Minor: Pathology. Thesis: *Reimplantation of the Canine Lung*. Major Adviser: Dr. F. H. Ellis, Jr.

Frank Walter Quattlebaum, St. Paul
B.S. in Ed. '35, South Georgia Teachers College; M.D. '39, University of Georgia; M.S. in Surgery '44, University of Minnesota. Major: Surgery. Minor: Pathology. Thesis: Microcirculation of the Myocardial Infarct. Major Adviser: Dr. C. W. Lillehei.

Arnold Ira Walder, New York, N.Y.
M.D. '58, State University of New York; M.S. '65, University of Minnesota. Major: Surgery. Minor: Biochemistry. Thesis: The Separation of Gastric Parietal Cells: An Experimental Study. Major Adviser: Dr. O. H. Wangensteen.

Waid Rogers, San Antonio, Tex.
B.A. '50, Yale College; M.D. '57, Cornell University; M.S. '66, University of Minnesota. Major: Surgery. Minor: Microbiology. Thesis: Tissue Blood Flow in Transplantable Tumors of the Mouse and Hamster. Major Adviser: Dr. O. H. Wangensteen.

Academic Costume

On appropriate occasions, anyone with a college or university degree may wear academic costume consisting of a gown, a hood, and a cap. By observing the kind of academic costume a person wears, it is possible to know the name of the university from which he graduated, as well as the degree which he holds, and, in some cases, the field of his major interest as well.

The long, pointed sleeve of the gown indicates a Bachelor's degree; the long, closed sleeve with a slit for the arm indicates a Master's degree; and the open sleeve marks a Doctor's degree. Bachelors' and Masters' gowns are black in color and are without any trimming. Generally, the Doctor's gown is black also, but some universities, particularly those abroad, prescribe such festive colors as red, crimson, or green. All Doctors' gowns have velvet trimming on the front facings and crossbars on the sleeves. This trimming may be black, or it may match the color of the edging of the hood and thus identify the profession or field of major interest of the wearer.

At a commencement it is quite proper to wear the gown—but not the hood—appropriate for the degree *which is to be received*. The only hoods worn at commencements are for degrees which have already been received. Thus only those students and faculty members who have already received college or university degrees wear hoods. Anyone who has a degree from the University of Minnesota may wear a hood decorated with a maroon chevron on gold background. The length and shape of the hood indicates whether the wearer has earned a Bachelor's, a Master's, or a Doctor's degree. The velvet edging on the hood indicates the field in which the degree was granted. For example, dark blue signifies Philosophy; light blue, Education; green, Medicine; lilac, Dentistry; orange, Engineering; russet, Forestry; drab, Business; olive green, Pharmacy; purple, Law; gray, Veterinary Medicine; golden yellow, Science; and white, Arts and Letters.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidates are honor students.

Caps, generally mortarboards with tassels, have significance, too. The Doctor's tassel may be black or gold. Masters' and Bachelors' tassels are black; but at University of Minnesota commencements—upon the authority of the University Senate Committee on Functions—candidates for the Bachelors' and Associates' degrees wear tassels which indicate their schools or colleges by color as follows:

(In the order of march)

General College	crimson and white
College of Liberal Arts	white
University College	old gold and white
Institute of Technology	orange
College of Education	light blue

College of Agriculture, Forestry, and Home Economics	maize
School of Business Administration	drab
College of Pharmacy	olive
Law School	purple
School of Dentistry	lilac
College of Medical Sciences	green
Graduate School	black

But once the Bachelor's degree has been received and the commencement is over, the graduate, should he wear academic costume again, will wear only the black tassel as does the holder of the Master's degree. Similarly, he will not in the future wear the shoulder insignia as a part of his academic dress even if he is an honor graduate. All graduates of the University should remember that the academic dress at this University conforms to the rules of the Intercollegiate Bureau of Academic Costume. This means that Minnesota academic insignia may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.

President's Reception

DECEMBER, 1967

- The members of the graduating class, their families, and friends are invited to attend the President's Reception immediately after the commencement exercises. The Reception will be held in the Main Ballroom of the Coffman Memorial Union.
- Those in the receiving line will be President and Mrs. Moos; Mr. Ylvisaker; Mr. and Mrs. Heimbach; Mr. William C. Newell, President of the Minnesota Student Association; and Mr. Gregory H. Ritter, President of the Union Board of Governors.
- Members of the Men's Glee Club, under the direction of Mr. Jerome S. Kleinsasser, M.A., Department of Music, will present Christmas carols during the Reception.
- Assisting in the Reception are students and staff members, including those from the Senate Committee on University Functions, the Army ROTC, Gamma Sigma Sigma Service Sorority, and the Department of University Relations.