UNIVERSITY OF MINNESOTA

Spring Commencement, 1982

MARCH AND JUNE GRADUATE SCHOOL
CANDIDATES FOR DEGREES
Board of Regents

The Honorable Charles H. Casey, D.V.M., West Concord
The Honorable William B. Dosland, Moorhead
The Honorable Willis K. Drake, Minnetonka
The Honorable Erwin L. Goldfine, Duluth
The Honorable Lauris D. Krenik, Madison Lake
The Honorable David M. Lebedoff, Minneapolis
The Honorable Verne Long, Pipestone
The Honorable Charles F. McGuigan, D.D.S., Marshall
The Honorable Wenda W. Moore, Minneapolis
The Honorable David K. Roe, St. Paul
The Honorable Mary T. Schertler, St. Paul
The Honorable Michael W. Unger, St. Paul

Administrative Officers

C. Peter Magrath, President
Frederick M. Bohen, Vice President for Finance and Operations
Lyle A. French, Vice President for Health Sciences
Stanley B. Kegler, Vice President for Institutional Relations
Kenneth H. Keller, Vice President for Academic Affairs
Nils Hasselmo, Vice President for Administration and Planning
Frank B. Wilderson, Vice President for Student Affairs

Additional copies of this program are available from the Department of University Relations, S-68 Morrill Hall, 100 Church St. S.E., University of Minnesota, Minneapolis, Minnesota 55455.

THE BOARD OF REGENTS requests that the following Northrop Memorial Auditorium procedures or regulations be adhered to: (1) Smoking is confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms. (2) The use of cameras or tape recorders by members of the audience is prohibited. (3) The sale of tickets by anyone other than authorized box office personnel is prohibited in the lobby or corridors of Northrop Memorial Auditorium.
CHARTERED in 1851 by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota this year celebrated its one hundred and thirty-first birthday. One of the great land-grant universities in the nation, the University of Minnesota is dedicated to training young men and women to be our future leaders. Each year, graduates add new skills and knowledge to the existing resources of the state. They have been trained as physicians, lawyers, engineers, social workers, teachers, journalists, dentists, pharmacists, nurses, scientists, farmers, businesspeople—to name but a few of the careers for which preparation is offered. Since its founding, the University has awarded over 355,000 degrees, each one in recognition of the successful completion of a challenging academic program.

In addition to giving collegiate instruction to nearly 59,000 students annually on its Twin Cities, Duluth, Morris, Crookston, and Waseca campuses and at the Mayo Medical and Graduate Schools in Rochester, the University offers special training for those who wish to study part-time through Continuing Education and Extension. The University also offers educational opportunities through its Agricultural Extension Service, with county agents, home agents, 4-H club agents, and recreation and health consultants available to provide help to Minnesotans in their own homes.

In the many research laboratories on the University’s five campuses, at the agricultural experiment stations throughout the state—the Rosemount Research Center, the Cloquet Forestry Center, the Cedar Creek Natural History Area near Bethel, the Horticultural Research Center and Landscape Arboretum at Excelsior, the Lake Itasca Forestry and Biological Station, the Sand Plain Experimental Field at Becker, and the Hormel Institute at Austin—and at the University Hospitals, University scientists are at work on experiments of great potential importance to the quality of our lives. Research projects are leading to new knowledge in such areas as learning disabilities, drug abuse, urban and environmental problems, health care delivery systems, and computer technology. The progress made in these and other areas will have a profound impact on the lives of Minnesotans and people throughout the world.

THE UNIVERSITY continues to be a cultural center of the Upper Midwest as the home of radio station KUOM, the University Theatre, the Bell Museum of Natural History, and the local performances of the Metropolitan Opera Company.

Minnesotans have good reason to be proud of their University, not only because it is one of the leading state universities in the country, but also because of the extent and quality of its services to the people of the state, their families, communities, and organizations. The interest of Minnesotans in their University is a dynamic thing, and it expresses itself in many ways. Their contributions have made it possible to build the Variety Club Heart Hospital and the Mayo Memorial Building. Through the American Legion and its auxiliary posts all over the state, thousands of friends have made generous donations to endow a research professorship in heart disease. Other contributions have built the Masonic Cancer Center, the Veterans of Foreign Wars Cancer Research Center and Diehl Hall, which houses the biomedical library and medical research facilities.

Generous contributions by corporations, associations, foundations, trade unions, clubs, and individuals have made hundreds of grants and fellowships available to
deserving students. Friends and supporters of the University, who are aware of the financial impact of increased specialization, work continuously to increase the funds available for student assistance.

THE 1981 LEGISLATURE appropriated $478.4 million for the University for the 1981-83 biennium. That appropriation was reduced by $26.6 million in the 1982 session as part of the response to the state's financial difficulties. A financial statement prepared and circulated by the University each year is available to anyone on request.

COMMENCEMENT marks the conclusion only of the student's academic life at the University. As a graduate, he or she is part of its history and part of its future as well. Alumni are urged to continue their relationship with the University through the Minnesota Alumni Association and its college groups.

Alumni and their families and friends will always be welcome here. The University's doors will be open to those who come back to visit and to keep in touch with an important part of their lives.

The University of Minnesota is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.
March Candidates for Degrees

Subject to the completion of all curriculum requirements at the close of winter quarter, degrees will be conferred as indicated on those listed below and on others meeting the graduation requirements. Degrees are listed alphabetically.

GRADUATE SCHOOL

Doctor of Education

Elizabeth Anne Griffin, Ithaca, N.Y.

David E. Kingsbury, Bemidji

Bruce Edwin Siebold, Menomonie, Wis.

Doctor of Philosophy

Deborah Dorothy Anderson,
Paynesville

Steven Edward Anderson,
Farmlingnt

Dominique Blanche Armes, Paris, France

Hava Ascher-Svanum, Tel-Aviv, Israel

Sharon Hanson Banister, Minneapolis

Susan Irene Barr, Vancouver, Canada
Annamarie Luclle Beckel, 
Cardington, Ohio

Elena M. Fernandez Berdaguer, 
Buenos Aires, Argentina

Leon Holt Blake Ogden, Utah

Elizabeth Ann Bray, Potsdam, N.Y.

Mauricio E. Camargo, Barranquilla, Colombia

Philip Marshall Catchings, Jr., Jackson, Miss.

David Charles Coulson, Sacramento, Calif.

Nefat Cur

March

Ross Stanley Cutler, Bendigo, Victoria, Australia

Michael Niven Dana, West Lafayette, Ind.

Mindaugas F. Dautartas, Chesterland, Ohio

Brian Lee Davis, Warrenville, Ill.

Owen Kent Davis, Murtaugh, Idaho

Karol Kay DeRoos, Minneapolis

Athanasios Sotirios Economou, Thessaloniki, Greece

William Ray Ellis, Fresno, Calif.
Carol Joy Ericson, Minneapolis  


Timothy Friberg, Minneapolis  

Daniel Paul Getman, Buffalo, N.Y.  


Yaron Israel Gold, Tel-Aviv, Israel  

Terry Lee Gottfried, Roseville  

Steven William Gust, Minneapolis  

Janet Lynn Hagen, Minneapolis  

Gary Howard Hannah, Minneapolis  

Gregory Dean Hanson, Ramona, S.D.  

Abraham Gisbert Hartzema, The Hague, Netherlands  

Steven Francis Heppelmann, St. Paul  

Arturo Hernandez, Tetzcoco, Mexico  

David Leroy Hickerson, Plainville, Ill.  

Arthur Cyrus Hill, Coon Rapids  
March

Vicky Rae Holts, Swisher, Iowa

Patricia Sue Holloway, Fairbanks, Alaska

Chia Fu Hsu, Taipei, Taiwan

Norman Lernell James, St. Cloud

Dana Ernest Johnson, St. Paul

Lyndel Irene Saunders King, Hugoton, Kan.

Keith Karl Klein, Minneapolis

Maurice Dean Knighton, West Bountiful, Utah

Santhana V. Krishnan, Calicut, India

Anrutha Prameela Kumari Meriga
Kuraguntle, Guntur, India

Anne Siren Levy, Cambridge

Michael Marc Levy, Chicago, Ill.

Olga Niutta Leoffredi, Rio de Janeiro, Brazil

James Edward Luex, St. Paul


Herman James Milligan, Jr., Trenton, N.J.
Susan Janet Neil, South Gate, Calif.  

John Emmett Niethammer, Casper, Wyo.  

Gregory Mark Owen, Concord, N.H.  


Courtney Dale Peterson, Britt  

Joseph Paul Porwoll, Brainerd  

Chander Prakash, New Delhi, India  

K. Ramakrishnan, India  

William Joseph Riley, Minneapolis  

Lydia Gail Roth-Laube, Allentown, Pa.  

Abraham H. Shammas, Jerusalem, Israel  

Dennis Eugene Smith, Savage  

Val Houston Smith, Lubbock, Tex.  


Randolph C. Steer, St. Paul  

Bud Wayne Stephenson, Ogden, Utah  
Vanda Kasetswan Sujarit, Bangkok, Thailand

Michael Francis Sullivan, Jr., Boston, Mass.

Christos George Takoudis, Larisa, Greece

Jeffrey Cleman Teal, Farmington

Javad Mostaghimi Tehrani, Mashad, Iran

Neil Graham Thatcher, Rapid City, S.D.

Rajagopal Vijayakumar, Madras, India

Nancy Register Wangen, Minnetonka

Karen Louise Whitehead, Bloomington

Doctor of Philosophy in Neurosurgery
MAYO GRADUATE SCHOOL OF MEDICINE

Dennis Lee Shubert, Bangor, Me

Doctor of Philosophy in Surgery

Ronald Morris Ferguson, Milaca

Henry Günther Maurer, Rochester
Master of Architecture

Lee Bruce Anderson, St. Paul

John Michael Drucker, Minneapolis

Marc Alan Fartridge, Maple Grove

Master of Arts

Vera Lucia Alves, Rio de Janeiro, Brazil

Rebecca Ann Anderson
B.S. 67 with distinction, University of Minnesota. Major: Elementary Education. Major Adviser: Prof. Roger Johnson.

Jeffrey Lynn Anvinson, Oslo

Asha Archarityavivit, Petchaburi, Thailand

Susan Arveson Bass, Baton Rouge, La.

Janet Stephanie Bearmon, Minneapolis

Martha Felicia Brinson, Minneapolis

Donn Carman Burleigh, Minneapolis

Diane Marie Capetz

Ronni Cuz-N, Minneapolis

Nancy Olmsted DeWeerdt, Excelsior

Roberta Jane Elman, Studio City, Calif.

Mohamed Saad El-Alfy El-Shall, Manzalah, Egypt

Debra Kay Engebretson, Black River Falls, Wis.

Karen Sue Erickson, Minneapolis
B.A. with high distinction 73, University of Minnesota. Major: Educational Psychology. Major Adviser: Prof. Robert Bruninks.

John Jerome Felcon

March
Regina Joyce Feldman, Bettendorf, Iowa

Lynn-Sharon Winters Friedman, Beer-Sheva, Israel

James Everett Gillispie, St. Paul

Robert Warren Grans, Falcon Heights

Janet Marie Grew, St. Paul

Frans Mardi Hartanto, Bandung, Indonesia

Joan Elizabeth Heydt-nelson, Minneapolis City

David John Hoekstra, St. Paul

Laura Merrian Jenkins, St. Paul

Larry Donald Johnson, Mound

Cynthia Lyford Jorgenson, Sleepy Eye

Judy Ann Kostecke, Grand Forks, N.D.

David Victor Lapakko, St. Paul

Joseph West Lawyer, Edina

Linda Edythe Ledray, Seattle, Wash.

Kathe Louise Lemmerrman, Eagan

Leslie Kay Levine, Minneapolis

Gail Ellen Lorenz, Elk River

Janis Lull, Minneapolis

Merridy Anne Main, Adelaide, Australia

Lynn Brunch Marasco, Minneapolis

Monty Lee Martin, St. Paul

Mildred Carolyn Masters, Edina

Robert James McDaniel, Richfield

Virginia Serene McFerran, Minneapolis
Eva-Maria Metcalf, Minneapolis

Fekri Mezrou, Sfax, Tunisia

Michael Thomas Moormann, Homewood, Ill.

Gervas R. Moshiro, Kilimanjaro, Tanzania

Alex M.H. Mpiada, Morogoro, Tanzania

Brian Joseph Mulhern, Minneapolis

Lesceillea Marie Napac, Elk River

Luella Kummerle Newstrom, Bloomington

Irene Carsetta Norman, Minneapolis

Alfonso Novales, Zaragoza, Spain

James Warner O’Neill, Bloomington

Terry John Owens

Barbara Ann Paul, Minneapolis

John Bradley Pole, Billings, Mont.

Subhi Bin Bakimin, Selangor, Malaysia

Susan Kay Bieger
B.S. with high distinction ’75, University of Minnesota. Major: Elementary Education. Major Adviser: Prof. John Manning.

Andrew McKenzie Roberts, Graffon, Wis.

Margaret O’connor Roden, Minneapolis

Leslie Jane Ross, Vancouver, Canada

Patricia Anne Roy, Columbia Heights
B.S. ’70, University of Minnesota. Major: Educational Psychology. Major Adviser: Prof. David Johnson.

Barbara Esther Rund, Minneapolis

Elena Sanchez Mora, Mexico City, Mexico

Barbara Elizabeth Sanderson, Kansas City, Mo.

Mary Anne Schutte, Minneapolis

Sujata Scam, New Delhi, India
Michael Anthony Seger, Cincinnati, Ohio

Elizabeth S. Semmens, Manlius, N.Y.

Roslyn Marie Stendahl, St. Louis, MO.

Anthony Francis Tedesco

Mihailo J. Temali, Minneapolis

Garry A. Thome, Adams
B.S. with distinction '73, University of Minnesota. Major: Agricultural Education. Major Adviser: Prof. Roland Peterson.

Linda Guth Trout, Grand Rapids

John Earl Walker

Kimberly Charmaine Welch,
Williamstown, N.J.

Jon R. Wendt, Minneapolis

Garry Lee Woessner, Stratford, Conn.

Frank A.J. Zelko, Cleveland, Ohio
B.A. summa cum laude '77, Case Western Reserve University. Major: Psychology. Major Adviser: Prof. Manfred Meier.

Jeffrey Joseph Zibley, Golden Valley

Master of Arts
UNIVERSITY OF MINNESOTA, DULUTH

Mark Robert Christensen
B.A. with highest honors '75, Wisconsin State University. Superior: English. Major Adviser: Prof. Albert Tezka.

Emory Paul Sher

Master of Business Administration

Dale Curtis Andersen, Fridley

Gary Natyn Anderson, Osakis

Jocelyn Kay Anderson

March
George Natale Berger, Mandan, N.D.

Atul Bhatia, New Delhi, India

Russell Dean Birch, Bloomington

John Emlyn Bohan, Jr., Minneapolis

Jeanne Grace Buckeye, Minnesota

Kathleen Jean Brower, Spring Lake Park

Jack Fritz Brunell, New Brighton
B.S. with honor '75, B.S. with honor '76, Michigan Technological University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Jeanne Grace Buckeye, Minneapolis

Peter Michael Choukalas, Minneapolis

Ricky Dean Clevelett, Duluth

Ronald Edward Dennis, Shoreview

James Reese Dutcher, White Bear Lake
B.S. '74, Oakland University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Peter Marshall Gill, St. Paul

Jeffrey Scott Hagen, St. Cloud

James Richard Hara, Minneapolis
B.S. '73, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Peter Rosko.

Timothy John Brandt Hassett, Stillwater

Carolyn R. Johnson, Scottsdale, Ariz.

Stanley Fred Jurgensen, St. Louis Park

Per Martin Kjeldas, Plymouth

Colleen Kay Kluge

Richard Alan Kottke, St. Paul

Katherine Ann Kreyenhagen, Minneapolis

Walter Charles Larsen, Edina

Lucy Wright Mattson, Eden Prairie

Randall Bruce Mattson, Edina

March
Robert Charles Mayeron, Golden Valley

Bernard Francis McDonagh, St. Paul

Mary A. Ness, Arden Hills

Steven Richard Neinow, Faribault

Paul Christian Odlaug, St. Paul

Brian Stanley Pappas, Rochester

John Arnold Rikala, Burnsville

Chi-Shing Tsui

Mary Greger Yount

Karen Smith Champlin, Norman, Okla.

Larry W. Frazier, Coon Rapids

March

Wayne John Schmidt, Minneapolis

Barbara Catherine Schultz, Roseville

Russell William Swansen

Nancy Carol Thorne, Minneapolis

Elisabeth Joy Trach, Minneapolis

Audrey Jean Westberg, Minneapolis

Katherine Jo Wilson, Edina

William George Woodington, Beloit, Wis.

Master of Business Administration
UNIVERSITY OF MINNESOTA. DULUTH

Master of Business Taxation

Catherine E. Holtzclaw

Jeffry G. Budd
Master of Chemical Engineering

Arthur Fong, Boulder, Colo.

Master of Civil Engineering

Kenneth Harry Jennison, Denver, Colo.
B.S. '76, Colorado State University. Project: Design of 140'-0" Welded Plate Girder with Composite Concrete Deck. Major Adviser: Prof. L.E. Goodman.

Charles Patrick Spitzak, St. Paul

Edward Armin Matthiesen, Richfield

Master of Fine Arts

Brian George Conley, Minneapolis

Breck David McHan, Leland, Iowa

Barbara Jean Granning, Minneapolis

Kathleen O'Neill, Minneapolis

Mary E. Horowitz

Master of Science

Najlaa M. Alamoudi

Alice McDonald Bonnen, East Lansing, Mich.

Mary Louise Anderson, Rochester

Keith Vernon Besaw, St. Paul
B.M. with high distinction '73, University of Minnesota. Major: Computer and Information Sciences. Major Adviser: Prof. G.M. Schneider.

Edward Leonard Carter, Walnut Grove

David Edward Blockstein, Madison, Wis.

March
Pui Wah Chan, Hong Kong

Rongleng Chang, Chiayi, Taiwan

Phuyot Chotikanatispan, Bangkok, Thailand

Thomas Joseph Dellenbach, Austin

Anne LaMois Downs, Alexandria, Va.

James Thomas Dunlavy

David Sumner Dunn, St. Paul

Mohy Eldin El-Kishky, Egypt

Daniel Lee Erkkila, St. Paul

Effat Fattahi-Marmani, Isfahan, Iran

Kristi Ann Fjare, Minneapolis

Mary L. Forman, Brooklyn Park
B.S. with special honors/high distinction ’71, University of Iowa. Major: Nursing. Major Adviser: Prof. Elaine Mansfield.

Lois Elaine Freeberg, Wayzata
B.S. ’70, University of Minnesota. Major: Nursing. Major Adviser: Prof. L. Harris.

Scott William Gatty, Pittsburgh, Pa.

Nader Mansour Girgis

Juan Humberto Gonzales, Guatemala, Guatemala

Timothy Clay Grasm, Roseau

Gregory Alan Grandits, Buffalo, N.Y.

Ming-Der Guan

Murdaningsih Haeruman, Bandung, Indonesia


Shirley Jung Hanson

Larry G. Haugen, St. Paul
Martha Jean Hewett, Minneapolis

Thomas Robert Hoffman, St. Paul

Mark T. Hughes

Yen-Con Hung

Rosnahren, Pasir Mas, Kelantan, Malaysia

James Robert Jensen, Jr., Roseville

M. Kosim Kadir

Laura Denise Koltes, St. Paul

Karen Lee Kristensen, Fargo, N.D.

Karin Frances Leonard, Wahkon

Elizabeth Ann Maertz, Duluth

Jeffrey Lawrence Marion, Louisville, Ky.

Joseph Louis Modelevsky, Indianapolis, Ind.

Nicholas Moropoulos, Athens, Greece

Anne Louise Murphy, West Branch, Iowa

Shubhada Mahesh Nerkar, Bombay, India

Tingli Pan, Shanghai, China
Dipl. '86. Shanghai University of Technology. Major: Mineral Engineering. Major Adviser: Prof. K.J. Reid.

Michael Eugene Pennell, St. Paul

Richard Fredrick Peterson, Benson

Lyle Douglas Ried, Oak Harbor, Wash.

Bouhefa Saidi, Rabat, Morocco

Robert Stuart Schmidt, St. Paul
Master of Science
UNIVERSITY OF MINNESOTA, DULUTH

Gary Douglas Olson

Jeann Marie Olson

Master of Science in Aerospace Engineering

Richard Ralph Heisler, Minneapolis

Madhusudan Nigam, Jabalpur, India

Lei U. Hong Kong

Philip E. VonBuden, Owatonna
Master of Science in Agricultural Engineering

Driss Ait-Oumessaho

Atjeng Muchlis Syarief, Bogor, Indonesia

Master of Science in Chemical Engineering

Sholeh Chatarei, Tehran, Iran

Wen-Chin Lin, Taipei, Taiwan

Master of Science in Civil Engineering

Bruce Jeffrey Brand, St. Paul

Bruno Marie Franck, Liege, Belgium

Douglas Jay Fullen, North Oaks

Michael John Heiling, Fridley
B.A. '75, Southwest Minnesota State University. Major: Civil Engineering. Major Adviser: Prof. Heinz Stefan.

Kon Lim Leung, Hong Kong

Androula Yiagion Michael, Limassol, Cyprus
Dipl. '78, National Technical University of Athens. Major: Civil Engineering. Major Adviser: Prof. D.E. Beskos.

Carl Anthony Nelson, Minneapolis

Master of Science in Dentistry

MAYO GRADUATE SCHOOL OF MEDICINE

Scott Harold Nightingale, Toledo, Ohio

Master of Science in Electrical Engineering

Jacques Rashid Gemavel, Lebanon

John Iu-Ming Ho, Minneapolis

March
Choong Ho Hyun, Minneapolis

Paul David Kreiser

Aanooshiravan Mostowfipour, Ahwaz, Iran

Bruce Randall Norslog, Willmar

Master of Science in Industrial Engineering
Rahim S. Mostafavipour, Shiraz, Iran

Ahmet Adil Uras, Izmir, Turkey

Master of Science in Mechanical Engineering
John Stephen Nelson, Minneapolis

David Douglas Radtke, Lester
Prairie

Elizabeth Dianne Rekow,
Minneapolis

Mikang Wang, Beijing, Taiwan
Master of Science in Medicine

Ira Louis Salom, Brooklyn, N.Y.

Master of Science in Metallurgy and Materials Science

David Stephen Kinsey, Ocala, Fla.

Master of Science in Otolaryngology

MAYO GRADUATE SCHOOL OF MEDICINE

James Joseph Holt, Galesburg, Ill.

Master of Science in Social Work

Nancy Heisel Baesfsky, Minneapolis

Lynda Vea Bennett, Minneapolis

Diane Lynn Borg, St. Paul

John H. Driggs, Minneapolis

Stephanie Nielsen Koechner, Minneapolis

Colleen L. Ladd, Minneapolis

Garth Patrick Norberg, Valley City, N.D.

Judith Sachs Pila, Minneapolis

Kathleen Ann Sackett, Minneapolis

Ellen Roberts Siegel, Minneapolis

Donna Joan Siegfried
Master of Science in Social Work
UNIVERSITY OF MINNESOTA, DULUTH

Geri Lynn Adler

Mark Allen Gottrell

Clayton Hollinday

Charles William Sayers

Specialist Certificate in Education

Norman A. Andresen, Brainerd

Luz Maria Baumann-Serrano,
Yabucoa, Puerto Rico

Kathleen Ryan Huyen, St. Paul

Yanchy L. Lacika, Crystal
B.A. 72, M.A. 73, University of South Florida. Field: Special Education. Major Adviser: Prof. Bruce Balow.

Susan Kay Merrick

Charles Arden Niles, Cambridge

Sharon Ann Owens, Richfield

Betty J. Webb, Plain Dealing, La.

Doris Yvonne Zachary, Bloomington
June Candidates for Degrees

Subject to the completion of all curriculum requirements at the close of spring quarter, degrees will be conferred as indicated on those listed below and on others meeting the graduation requirements. Degrees are listed alphabetically.

GRADUATE SCHOOL

Doctor of Education

Judith Ann Herr

Kenneth Herbert Mills, Kenosha, Wis.

John Talbert Sheeks, Sunrise, Fla.

Terry James Squier, Kaukauna, Wis.

Carl Imanuel Wahlstrom, North St. Paul

Doctor of Musical Arts

Larry L. Scully, Vermillion, S.D.

Doctor of Philosophy

Shehu Usman Abdullahi, Nigeria

Tony Munchi Au, Hong Kong
James Henry Aubert, Holland, Mich.

Gary Norman Back, Montvale, N. J.

Melvin Jay Baughman, Tiffin, Ohio

Patricia Ellen Bauman, St. Paul

Patrick Michael Beardsley, West St. Paul

Dennis Arthur Behm, Grand Rapids

William David Benton
Independence, Kan.

Joe Blom

Jan Hettie Bloom, Pittsburgh, Pa.

Richard Andrew Borstad,
Minneapolis

David Alan Bownas

Stephen Paul Bruzzzone, Fairfield, Calif.

Stuart James Bullion, Carbondale, Ill.

Janet V. Burcalow, Forest Lake

Jan Thomas Callaghan, Minneapolis

Sumana Chakrabarti, Calcutta, India

Yuh-Sheng Gerald Chang, Taipei, Taiwan

Kyung-soo Chun, Pusan, Korea

LeeAnna Clark, Seattle, Wash.

M. Patricio Contreras, Valparaiso, Chile

Sheila Jane Cox, Minneapolis

Kyle Robert Crocker, Corvallis, Ore.

Steven John Czaplowski, Franklin, Wis.

Carson Robert Drom, Indooroopilly, Australia

Mohamed Saad El-Alfy El-Shall, Manzalah, Egypt

Nancy Rose Enger, Faribault

Susan Epps, Atlanta, Ga.

Kenneth Alan Epstein, Long Branch, N.J.

Patricia Renee Christine Evans, Minneapolis

Leslie Allen Everett, New Sharon, Iowa

June


June
Anne-Charlotte Hanes Harvey,
Stockholm, Sweden

Robert Paul Hausinger, Fond du Lac, Wis.

William Lawrence Haynes, Baton Rouge, La.

Judith Cairncross Helgen, St. Paul

Delores Henderson, Mendota Heights

Gregg Eugene Hickey, Minneapolis

Mark D. Hirschel, St. Paul

Stephen Francis Holloway, Minneapolis

Rosalind Horowitz, Minneapolis

David Richard Janecky, Lodi, Calif.

Makarand Shrinivas Jawadekar, Bombay, Maharashtra, India

Mark Edward Jensen, Minneapolis

Samuel Douglas Johnson, Jr., Washington, D.C.

Steven Darrel Johnson, Lauderdale

June
Marie Spriggs Jones, Edina

Sung K. Kim

Eda Fowils Kranakis, Minneapolis

Kathryn Ferris Kuehnle, Minneapolis

Kei Yun Lau, St. Paul

Leo John Lauz, Clawson, Mich.

William Franklin Lewis, Madison, Wis.

Betty Lou Lia-Hoagberg, Detroit Lakes

Ching-Her Lin

Carlos Marcelo Loiffer, La Plata, Argentina

Jon Lorence, Oskaloosa, Iowa

Barry Lyman Lundquist, St. Paul

Virginia Mary Lyons, Boscot, La.

Gavordi Prinosias Mac Sithigh, Dublin, Ireland

Catherine Anne Marienau, Montevideo
Judith Ann Maxwell, Crestwood, Ky.

Robert Michael McKay, Chater, Manitoba, Canada.

Saeid Meshkat-Razavi, Iran

David Stuart Miller, Minneapolis

Eucharia Enderline Nnadi, Ihiala, Nigeria

John Howard Olson, Eau Claire, Wis.

Charles Anthony Omer, Lansing, Mich.

Karen Mary Auklan Palin, St. Peters, Mo.

Peter Francis Parilla, St. Paul

Jung H. Park, Seoul, Korea

Jose Antonio Peris Ellia, Madrid, Spain

Anggoro Hadi Permadi, Lembang, Bandung, Indonesia

James Richard Persoon, Shoreview

Thomas Paul Pittman-Beiger, Wilmington, Del.

Gregory Charles Pratt, Minneapolis
Jennifer Post Quinn, Vergennes, Vt.
B.A. cum laude '80, Beloit College; M.A. '75.

Joel Kim Bansom, Focatello, Idaho
B.S. '78, Brigham Young University; M.S. '80.


Lisa M. Rini, San Diego, Calif.
B.A. '73, Baldwin-Wallace College; M.Ed. '74.

Janice Adele Russo, La Crescenta, Calif.

Nicholas Archer Sanders, Minneapolis

Daryl Andrew Schenkenbaun, East Troy, Wis.

Richard Knox Shaw, Winona

Aydeniz Siginer

Jonathan G. Spanier, Hartstale, N.Y.

Oliver Wendell Spencer, Jr., St. Paul

Donald Timothy Starzinski, St. Paul

Loren Chester Stephens, Ayrshire, Iowa

Anne W. Suessbrick, Minneapolis

Dorothy Johnson Suomala, Plymouth

Mary Towley Swanson, Minneapolis
Douglas York Tate, Edina  

Devarajan V. Thirumalai, Madras, India  

Marcus Wills Thomsen, Salt Lake City, Utah  

Mary Jo Ann Thorsheim, Minneapolis  

Rama Murthy Tunuguntla, India  

Christopher William Turner, St. Paul  

Corwin Paul Umbach, Silver Spring, Md.  

Carol Louise Urness, Lamberton  

Manuel Vanegas-Funseca  

Evelyn Hawthorne Vanouse, Kingston, Jamaica  

Gregory Charles Verchota, Superior, Wis.  

Lee Walter, St. Paul  

Thomas Washington, Rock Island, Ill.  

David Bruce Watson, Los Angeles, Calif.  

Friederich Edward Weber, Knoxville, Tenn.  

In-Suk Wee, Seoul, Korea  

June
Jeffrey Ford Williamson, Minneapolis

Deborah Lyn Woodworth, Oxford, Ohio

Rahim Zaare-Nahandi, Tabriz, Iran

Robert Paul Zentner, LeRoy, Saskatchewan, Canada

Doctor of Philosophy

MAYO GRADUATE SCHOOL OF MEDICINE

Thomas Behrenbeck, Münster, West Germany

Master of Architecture

Tarek S. Aboul-Naga, Cairo, Egypt

Chiu Shui Chan, Taipei, Taiwan

Master of Arts

Tuvia Abramson, Tel Aviv, Israel

Noura Khaled Alsaal, Jeddah, Saudi Arabia

Glenn Joseph Ames, Pawtucket, R.I.

Sandra Jean Anderson, Bloomington
Sonia Gail Anderson, Minneapolis

Mary Battaglia

James Maurice Bauck, Prior Lake

Carolyn Keith Becker, Plainview

Robert Clay Bogart, Brockton

Gillian Elizabeth Bolling, Dearborn, Mich.

Colleen Ann Brady, Roseville

Arlene Rossen Cardozo, Minneapolis

Daniel Gene Carey, Hastings

Bruce Edward Carter, Duluth

Cynthia Ann Case, Minneapolis

Yong-Ho Chang, Seoul, Korea

Louis Hector Chavez, Mexico City, Mexico

Chuchang Jude Chiu, Taibei, Taiwan

Byung-Soon Choi, Seoul, Korea

Cathleen Ann Clevette, Minneapolis

Catherine Anne Coury, Des Moines, Iowa

Susan Jane Coyle, Cleveland, Ohio

Adedayin Daniel, Nigeria

Ruth Elizabeth Danielson,
Barnstable, England

Jenine DeNuccio, New Brighton

Alicia del Soccoro Duran

June


June
Yuichi Kondo, Haramachi, Japan

Sandra Kay Kopel, Sioux Falls, S.D.

Mary Louise Kovacic, Burnsville

Alfredo Mario Leone, Buenos Aires, Argentina

Sunei Sue Lu, Taiwan

David Paul Lutes, Richfield

Bruce Wayne Maaser, Wausau, Wis.

Marc Ricky Marcus, Minneapolis

David Lee Martens, Eagan

Daniel William Metz, Lindstrom

Robert Gary Miller, Thompson, Manitoba, Canada

Gloria Morris-Groth, New Hope

Susan Carol Mudroch, Pittsburgh, Pa.

Maria Benda Murad, Minneapolis

Sandra Kay Kopel, Sioux Falls, S.D.

Mary Ellen Olson, White Bear Lake

Roger Martin Olson, Pewaukee, Wis.

Patricia Jane O'Neill, St. Paul

Paul Edward Opheim, Bloomington

Joy Barbara Osborn, Minneapolis

David John Ouse, Duluth

Robin Rae Kilian Peterson, Minneapolis

Priscilla Young Pratt, Deephaven

Ricky Wayne Rabideau, Chazy, N.Y.

June
June

Glen Curtis Ramsborg, Minneapolis

Penny Sue Ream, Minneapolis

Robert Davis Reed, Minneapolis

Judy Kay Begenascheid, Fridley

Dec Gaedert Reiner, North Newton, Kan.

Shari Lea Rendel, Bloomington

Rodney Paul Rice, Benson

Linda Celeste Roberts, Houston, Tex.

Karen Louise Rogers, Burnsville

Alan Asher Saltzman, Iowa City, Iowa

Robert Wells Schauer, Minneapolis

Lawrence James Seiberlich, Roseville

Barbara Jane Skudlark Shin, St. Paul

Daniel Joseph Smiejca, Richfield

Barbara Schwartz Sperber

Nancy Walker Stallard, Eden Prairie

Soterios Georgiou Stavrou, Dhiorios, Cyprus

Ann C. Strelov, Minneapolis

Susan Mary Strohm, Minneapolis

Marian Brooks Sunlin, St. Paul

Kenneth Clarkson Taylor, Billings, Mont.

Peter Ward Thoreen, Minneapolis
Thomas Lambert Trow, Minneapolis

Leo Paul Varley, Faribault

James William Waldo, St. Paul Park

Ann Alexandra Walsh, Green Bay, Wis.

Martha Lynn Wegner, Appleton, Wis.

Carolyn Anne White, Bedford, N.Y.

Paul Herman Aaron Wiener,
Minneapolis

Kathleen Jane Wilken, St. Paul

Izumi Yamamoto, Nishinomiya, Japan

Hsu-chun Yang, Republic of China

Rui Yazawa, Yokohama, Japan

Terence Leman Zimmer, Apple Valley

Master of Arts
UNIVERSITY OF MINNESOTA, DULUTH

Kathy Gustafson

LaDonna M. Harrison

Georgianna Henry

Loretta May Kloster

Christopher C. Metcalfe

Becky Lee Reitter

Colleen Margaret Sanders

James Steven Sanders

Paula Tool Solon

Steven James Wright
Master of Business Administration

Garrick Donald Agnew, Minneapolis

Mark Victor Allred, Portland, Ore.
B.S. with high honors '80, Portland State University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Mary Ellen Anderson, Minneapolis

Wayne Allen Arnold, Blaine
B.S. magna cum laude '78, Bemidji State University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Susan Elizabeth Aurand, Wayzata

A. Kristian Bak, Copenhagen, Denmark

Brian Scott Balleria, Minneapolis

Ann Marcella Baptie, La Crosse, Wis.

Sara Andrews Barnaby, Plymouth

James Bruce Barnhart, Stillwater
B.S.M.E. '69, Purdue University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Terri D. Barreiro, St. Paul

L. Ronald Batcheller, Minneapolis

James Theodore Biesanz, Jr., Winona

Ronald Ernest Bowden, Minneapolis

Michael N. Braverman, Paramus, N.J.

Christopher Lee Bretoi, Arden Hills

William Clark Brown, St. Paul
B.S. with distinction '78, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Loren E. Brueggemann, Wayzata

Kurt Herman Buerger, Newton, Wis.

Marilyn Lee Buman, Buffalo

Steven N. Burns, Woodbury

Richard C. Carlad, Apple Valley

Peter Charles Carlson, Minneapolis

Louis Edwin Chouinard, Hoffman Estates, Ill.
James Andersen Clark, Minneapolis

Scott James Conrad, Oak Creek, Wis.
B.S. with high honors '81, University of Wisconsin, Madison. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Cheryl Ruth Cooper, Minneapolis

Joan Louise Crewson, St. Paul

Gregory Paul Cринion, Eau Claire, Wis.

Jackie Ann Currier, Edina

Martha Doty Cushing, Minneapolis

David Brian Darst, Rochester
B.S. with high distinction '78, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Patricia Kathryn Deneen, Minneapolis

Kelly Jerome Doran, Minneapolis

Christopher Eugene Drown, Minneapolis
B.S. '80, St. Cloud State University. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Anna Teresa Dukes, Milton, Fla.
B.S. with honor '77, Georgia Institute of Technology. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Elizabeth Ann Elder, Minneapolis

Gregory Kevin Erickson, Robbinsdale

June
Cheryl Renee Hatfield, Minneapolis

Lori Ann Havnes-Butala

Diana J. Hays, Riverside, Calif

Rebecca S. Headline, Minneapolis

Gregory Mark Heetland, Montrose, S.D.

Jon Clay Hegvik, St. Paul

Steven James Helgen, Northfield

Sarah Henningsgaard, Hopkins

Suzannah Martin Himan, Wayzata

Kevin Girard Hogan, St. Paul

Catherine Mary Holubar
Minneapolis
B.S. cum laude '81, University of Wisconsin, Green Bay. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Elise Maija Hong, Seoul, Korea

Kenneth Elmer Horstman, Bangor,
Wis.

Gary Jon Hubbard, Pittsville, Wis.

Roger L. Hudson, St. Paul

Dorothy Ward Hull, Wayzata

Marlin R. H. Jensen, Edgeley, N.D.

Malced Aliibhai Jiwani, Minneapolis

Linda Kaye Johnson, St. Paul

Roger D. Johnson, Crookston

William Osmund Johnson, Northfield

Seckou Kaba, Bobo-Dioulasso, Upper Volta

Michael Lyle Kasperek, Minneapolis

Verona Sweeney Kees, Oakdale
B.Chem. with high distinction '73, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

June 40
James Alan Klima, Minneapolis

Edward Mathias Kennedy, Edina

Loretta Mary Kinneal-Mobley, St. Paul

James Alan Klima, Minneapolis
B.S. '74, University of Iowa. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Edward Miles Korbel, Eden Prairie

James William Kordaris, Minneapolis

Jennie Hilburn Kosloski, Minneapolis

Marlen Randall Kraemer, Laurel, Neb.
B.A. '80, University of Nebraska, Lincoln. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Carol Marie Kronebusch, Rollingstone

Sandra Faith Jean Lamb, Minnetonka

Eugene LaRowe, Plymouth
B.A. magna cum laude '65, Oakland University; M.A. '67, M.S. '70, University of Washington. Major: Business Administration. Major Adviser: Prof. Roger Upson.


Douglas Ronald Larson, Bloomington

Jon S. Lebewitz, St. Louis Park
B.S. with distinction '81, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

James Stephen Lee, Monroe, Wis.

Ron Hing Leung, Bloomington
B.S. '80, University of Notre Dame. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Jeffery Ronald Loverude, Minneapolis

Donald Eugene Lyle, Edina

Diane Korell Marien, St. Louis Park
B.S. '73, M.S. '74, Ph.D. '76, University of Wisconsin, Madison. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Freda Curchack Marver, Minneapolis

Michael Joseph McCue, Minneapolis

Kevin Eugene Miller, Austin

James II. Moldan

Jeffrey Wayne Moran, Waukesha, Wis.

Lawrence Michael Moran, Minneapolis
Laurie Rice Muchow, Minneapolis  

Mark Edward Mundahl, Fergus Falls  

Margaret Mary Murray, Minneapolis  

Susan Dennis Neale, St. Paul  

Robert Joseph Nechal, St. Paul  

Eileen Margaret Neren, Minneapolis  

David Richard Novy, St. Paul  

Anne Talzmann Obermeyer, Chanhassen  

Holly Wehrenberg Oliver, Minneapolis  

Robert Peter Olson, Richfield  

Blake Johnson Omlie, Wayzata  

Richard J. Opseth, Jr., White Bear Lake  

William Fred Pagel, Farmington  

Charlotte Theresa Palmer, Birmingham, Ala.  

Jean Marie Palmer, Amery, Wis.  

John Earl Panning, Canby  
B.S. with high distinction ’74, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Glen Edward Parchman, Cincinnati, Ohio  

Laura Beath Pearson, Milwaukee, Wis.  

Erik Leroy Peter, Mount Prospect, Ill.  

Gail L. Peterson, Minneapolis  

Beverly Ann Pieracci, Milwaukee, Wis.  

Janet Susan Poliquin, Minneapolis  
B.S. magna cum laude ’81, University of Minnesota. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Gail Sharon Ring, Mohall, N.D.  
Charles Ernest Roemer, Milwaukee, Wis.
B.S. '78, Marquette University, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Ronna Ruth Roisum, Greenfield, Ind.
B.A. '80, Indiana University, B.S. '73, St. John's College, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Simon Charles Root, Edina
B.B.A. with high honors '79, University of Notre Dame, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Kevin Leigh Rust, Minnetonka
B.S. cum laude '80, Moorhead State University, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Mark Steven Sanquist, Watertown, Wis.
B.S. '76, Marquette University, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Mary Elizabeth Schmid, Dubuque, Iowa
B.A. cum laude '80, College of St. Thomas, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Kevin Arthur Schmitting, Fridley
B.B.A. '81, University of Wisconsin, Madison, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Randy Richard Schoeneck, Minneapolis
B.Ag. '80, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Howard Wyn Schwartz, Robbinsdale
B.A. cum laude '78, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Kalyanaraman Seshadri, Madras, India
M.S. '69, University of Madras, Major: Business Administration. Major Adviser: Prof. R. G. Berryman.

Evan Charles Shaduck, Eagan

Carole E. J. Southam, Minneapolis
B.S. '80, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Stewart Roland Stender, Madison, Wis.
B.B.A. '81, University of Wisconsin, Madison, Major: Business Administration. Major Adviser: Prof. Roger Upson.

James Robert Stewart, Minneapolis
B.S. with distinction '78, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Joan A. Stohr, St. Paul
B.B.A. with distinction '81, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Monica Anne Theobald, Minneapolis
B.A. '77, Iowa State University, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Vivian Marie Trembley, St. Peter
B.S. '74, Mankato State College, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Arlyn Frederick Vedder, Austin
B.S. '76, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Jack Charles Voller, Cincinnati, Ohio
B.A. '79, Ohio State University, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Alan Roy Walther, Waterloo, Iowa

Kathryn L. Watson, Minneapolis
B.S. '81, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Terry Jay Wharton, Minneapolis
B.S. '78, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Sarah Sands White, New Brighton

Jeffrey Ralph Wiebusch, Lake City
B.Phys. '80, University of Minnesota, Major: Business Administration. Major Adviser: Prof. Roger Upson.

Judy Lynn Wilkinson, Minneapolis
Jane Parsons Windmeier, Columbia Heights

Michael William Winkel, Minnetonka

Chi Kin Wong, Hong Kong
Dipl. 78. Hong Kong Baptist College. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Bradley Stephen Wood, St. Paul

Chi Kin Wong, Hong Kong
Dipl. 78. Hong Kong Baptist College. Major: Business Administration. Major Adviser: Prof. Roger Upson.

Master of Business Administration
UNIVERSITY OF MINNESOTA, DULUTH

Gary Lee Cleveland

David Barry Hamalainen

Diane Leigh Kuhlmann

Denise Marie Kuwitzky

Siu Keung Lau

Michael William Merrier

Master of Business Taxation

Erling Dokken

Master of Civil Engineering

James Sanford Henderson,
Minneapolis

David Paul Herr, St. Paul

Joel Kent Marcuson, Bayport

June 44
Master of Fine Arts

Dan Fredrick Dressen, Eagan

David Ira Goldstein, Minneapolis

William Anthony Hauserman, Towson, Md.


Chat Hay Ko, China

Jonathan Edward Langer, Minneapolis

Nancy Beth Loitz, Minneapolis

Rosemary Monique Peternell, St. Stephen

Jo-Anne Mae Reske-Kirkman, Golden Valley

Dorothy Ann Sauser-Monnig, St. Paul

Emily Jane Schmit, St. Paul

Kathleen Lorraine Zuckerman, Minneapolis

Master of Metallurgy and Materials Science

Terry Lee VanderWert, Trimont

Master of Music

David Reynold Stevens, Lake Elmo
Douglas B. Akers, Pocatello, Idaho

Craig Jay Anderson, Duluth

James Leroy Bickel, Maple Plain

Paul S. Blaske, St. Cloud

Cheryl Marie Bornhorst, Mounds View

Joanne Boyd, Excelsior

Gregory Craig Buzicky, St. Paul

Scott James Carlstrom, Minneapolis

Margaret Mary Cary, Falmouth, Me.

John Suh Che, Bafut, Cameroon

June

Brooke Allen Chuachel, Minneapolis

Betty Lou Cole

Barbara Jean Connolly, Akron, Ohio

Kevin Vincent Cook, Erie, Pa.

Michael Thomas Doherty

Chris John Dovolis, Edina

Gerardo Antonio D’Pool, Maracibo, Venezuela

Barbara E. Dufresne, Minneapolis

Denis Roger Erickson
Roy Thomas Faulkner, Pensacola, Fla.
B.S. with high honors '67, University of Florida.
D.V.M. '71, Auburn University. Major: Veterinary Surgery, Radiology, and Anesthesiology. Minor:
Related Fields. Thesis: Histologic and Biomechanical Assessment of Esophageal Wound Healing as

Saeed Fereshtehkhoo
B.S. 78, Tehran University. Major: Forestry. Minor:

Gary Duane Franc, Antigo, Wis.
B.S. '78, University of Wisconsin, Madison. Major:

Sanjay Garg, Modinagar, India
B.Tech. '90, Indian Institute of Technology. Major:
Mechanics. Minor: Related Fields. Major Adviser:
Prof. William Garrard.

Ronald Dale Gauthier, Grand Rapids
B.M. with high distinction '76, B.C.S. with high
 distinction '76, University of Minnesota. Major:
Computer and Information Sciences. Minor: Re-
lated Fields. Major Adviser: Prof. William Munro.

Lorraine Giordano, Minneapolis
B.A. '78, Marymount Manhattan College. Major:

Marty Goldblatt, New York, N.Y.
B.S. '75, State University of New York College at

Rangaraj Gopaliengar, Bangalore, India
B.A. '78, Bangalore University; M.E. '80, Indian
eries of Steel Using Positron Annihilation Tech-

Carlos Manuel Gradi
D.V.M. '78, Technical University of Lisbon. Major:

Julia Undine Halberg, St. Paul
B.A. '77, University of Minnesota. Major: Biology.

William Francis Hall, Kilmore, Australia
B.Vet.Med. '73, University of Sydney. Major: Vet-
erinary Medicine. Minor: Related Fields. Thesis:
Feeding Behavior of Woolly Pigs. Major Adviser:
Prof. Allen Lenman.

Eunjin Han, Seoul, Korea
B.S. '75, Sogang University. Major: Computer and Information Sciences. Minor: Statistics. Major Adviser:
Prof. William Munro.

Eleanor Mae Hepburn, Charles City, Iowa
B.S. N. '50, University of Dubuque. Major: Nurs-

Cynthia Susan Hockman, Ankeny, Iowa
B.S. '73, University of Iowa. Major: Public Health.
Minor: Related Fields. Major Adviser: Prof. Maria Snyder.

Nancy Jo Hood, St. Louis Park
B.S. '74, College of St. Teresa. Major: Nursing.
Minor: Related Fields. Major Adviser: Prof. Maria Snyder.

Mei-Hui Hsu, Taipei, Taiwan
B.S. '76, College of Chinese Culture. Major: Nutri-

Karim Mohamed Pyarali Jeraj, Kampala, Uganda
B.V.S. '69, University of East Africa. Major: Veteri-
mary Medicine. Minor: Related Fields. Major Ad-
viser: Prof. Carl Osborne.

Leonard Kampa, Bloomington
B.S. '77, University of Minnesota. Major: Com-

Karl Keith Karrow, Fort Collins, Colo.
B.S. '77, Colorado State University. Major: Wild-

June
Mark Richard Kaster, Minneapolis  

Linda Marie Kittleson, Roseville  

Kevin S. Klair, Red Wing  

Rosann Mary Klutzke, Roseville  

Rodney Henry Kosloski, Minneapolis  

Kathryn Warlich Kronroy  

Van Chu Kung, Manila, Philippines  

Jill Karol Kusha, Menomonie Falls, Wis.  

Julie Wild Legler  

Caryl Ann Lehto, Superior, Wis.  

Dean Paul Leonard, St. Paul  

Woon-Lam Susan Leung, Hong Kong  

Jong Kai Lin, Hsing-Ying, Taiwan  

Li-Jen Teresa Lin, Taipei, Taiwan  

Mary Jacubetz Little, Itasca, Ill.  

Harold Alan Love, Buxton, Mass.  

Blanca Cecilia Martinez I.  

Homer Marlatte McIntire III, Waseca  

Christopher James Melhoke, Waseca  
Suzanne Mary Meister, Scandia

Ana Maria Menanteau-Horta, Santiago, Chile

Prema Narayan

Julia Ann Nelson, Fermimore, Wis.

Lois Florence Nelson, Fargo, N.D.

Catherine Pauls Neuswanger, Superior, Wis.

Millard Adam Neymark, St. Paul

Linda Jean O’Gara, Minneapolis

Arturo F. Olguin y Beenas

Ramiro A. Perez G., Medellin, Colombia

Teresa Kunze Perkins, Mahtowa

Gordon Harold Peterson, West Concord

Michael Paul Popp, Clarendon Hills, Ill.

Jane Margaret Potish, Cottage Grove

Michael David Powers, St. Paul

Marla Beth Puziss, Rockville, Md.

Donna Beth Rains, Franklin, Ind.

Alice GuyAnne Ransom, North Little Rock, Ark.


Nacif Bihani, Fes, Morocco
June

Natalie Ann Rosen, Minneapolis

Evelyn F. Ruggiero, Burnsville

Julia Gage Sanborn, Wisconsin Rapids, Wis.

Arlene Beatrice Egan, Bloomington

Zhi Xiang Wei, Minnetonka


Kenneth Herbert Svendsen, Blaine

Judith Mary Szalapski, St. Paul

J. Ward Testa, Cordova, Alaska

Brad Jay Thacker, New Ulm

Judy Ann Thies, Anoka

John William Thomas, Minneapolis

Kathleen Imre Tremaine, Rochester

Clifford James Twaroski, Birnamwood, Wis.

Douglas Keith Van Buskirk, Bloomington

Cynthia Ann Vergin, Minnetonka

Zhi Xiang Wei, Minnetonka

John Graham Whinery, Amarillo, Tex.

50
Frederick Kedney Campbell

Patrick E. Lederle

Peter Anthony Giangrande

Gerald Lee H yrkas

Scott Nelson Neumann

Master of Science in Agricultural Engineering

John Stuart Hietala, Scheka

Master of Science in Chemical Engineering

Stephen John Perry, Chelmsford, Mass.

Paul William Sibal, Goshen, Ind.

Master of Science in Civil Engineering

Chaudhary Habib Abdullah, Karachi, Pakistan

Stella Kathleen Fedeniuk, Roblin, Manitoba, Canada

Dante Almeida Gabriel, Manila, Philippines

Chung Jik Kim, Seoul, Korea

June
Alan Barry Staples, Arden Hills

Donna Leigh Stephenson, Minneapolis

John Charles Wirt, Mendota Heights

Master of Science in Dermatology

Robert John Aylesworth, Jr., Oregon, Wis.

Master of Science in Electrical Engineering

Mohamed Mahmoud Eldesouki, Minneapolis

Ravender Goyal, Saharanpur, India

Darrel James Guzy, Jr., Menlo Park, Calif.

Zahir Hashemi, Tehran, Iran

Mohammad Ali Salamian

Daniel Eric Hulsey, Minneapolis

Awtar Singh K. Saini, Bombay, India

Adrian Chanchall Toy, Minneapolis

James Micheal VanHove, Luverne

June 52
Master of Science in Industrial Engineering
Richard Steven Berg, Minnetonka

Master of Science in Mechanical Engineering
Paul Stephen Hoffman, Shoreview

Frank Joseph Macdonald, Washington, D.C.

Master of Science in Mineral Engineering
Heribar Soto

Master of Science in Orthopedic Surgery
MAYO GRADUATE SCHOOL OF MEDICINE
Yogesh Chand, Rochester

Master of Science in Otolaryngology
MAYO GRADUATE SCHOOL OF MEDICINE
Ray Oliver Gustafson, Rochester

Master of Social Work
Nancy Marsh Albrecht, Minneapolis

Susan Marie Beck, Brainerd

Roberto Ramon Avina

Dianne Binns, Little Rock, Ark.

John Robert Bailey, Northfield

Kathleen Kay Bochert, Minnetonka

June
Timothy George Boyer, Minneapolis

Kathleen C. Bryan, Minneapolis

Stephen Eugene Calvit, Baton Rouge, La.

Alma Elizabeth Caudle

Shari Kay Cohen, Minneapolis

Mina Clare Driscoll, Stillwater

Kenneth George Fournier, Minneapolis

Brian Arthur Fudge-Nystrom, Coon Rapids

Dianne Clarice Grammond, Maple Grove

Mary-Lynn Harrison, Minneapolis

Rita Jean Heidbrink, Minneapolis

Marlene A. Hodges, St. Paul

Brenda Anne Huttie, Bethlehem, Pa.

Beth Ross-Shannon Johnson

Patricia Lynn Johnson, St. Paul

Marcia L. Kaufmann, Burnsville

Barbara Jean Knutsen

Laura Davison Kolden, Minneapolis

Mary Ann Korenchen, Duluth

Doreen R. Camacho Kruzich, El Paso, Tex.

LouAnn Lewis, Minneapolis

Colleen Rae Lippke, Pewaukee, Wis.

Alida Jane Malkus, Minneapolis

Catherine Mary Marincel, Andover

Margaret Lee McChesney, Roseville

Thelma Ruth McGahee, Brooklyn Park

Michael Francis McGrane, Forest Lake

Frank Joseph Mee
Jacqueline Stearns Mithun, Minneapolis

Barbara Jane Way Mohr, Minneapolis

Michael Francis Mohs

Mark Stanley Muellerleile, St. Peter

Alan Dwight Netland, Duluth

Mary Elizabeth Neustel, West St. Paul

Marsha Carol Porter, Minneapolis

Margaret Rose Reed

Linda Reinhardt-Sondrall, Minneapolis

Lynelle Rhodes, Greenville, Miss.

Sharon Rose Robinson, Minneapolis

Carole Gaines Rydberg, Plymouth

Linda Gerber Schreiner, Minneapolis

Jeanette Susan Shultz, Minneapolis

Caroline S. Stevens, St. Louis Park

Joan Sykora, Minneapolis

Linda L. Verbeck

Carol Lee Voigt, Minneapolis

Debra J. Waite, Minneapolis

Gloria Joan Zweber, St. Paul

Master of Social Work
UNIVERSITY OF MINNESOTA, DULUTH

Maureen Lucia Jude

Steven Edward Novack

Carol Annette Plack

Sharon Marie Randolph

Kris Ann Washam

Jeffrey Jay Zuckerman

June
Specialist Certificate in Education

Lorraine Joan Boyle, St. Louis Park
B.S. '70. M.Ed. '76, University of Minnesota.
Field: Elementary School Administration. Major Adviser: Prof. Gary Alkire.

Alfred Mark Branes, Arden Hills

Jeanne Marie Bursheim, Anoka

Gail Victoria Carlson, Falcon Heights

Linda Lawrie House, St. Paul

Paul Allen Osterlund, Minneapolis

Daniel William Pelowski, Chaska

Lloyd Eugene Peterson, Roseville

Leonard Joseph Schwartz, Hastings

Summary of Degrees Conferred by the University
During the Academic Year 1981-82

Conferred July, August, and December, 1981, and March 1982 .......... 6,640
Conferred June 1982 (subject to completion of requirements) .......... 6,150
Total degrees conferred (1981-1982) ..................................... 12,790*

*Includes 1,421 conferred at Duluth, 235 at Morris, 242 at Crookston, 228 at Waseca, and 55 at Mayo.
Academic Costume

Academic costume—cap, gown, and sometimes hood—may be worn by anyone with a college degree, or by a candidate whose degree is soon to be awarded. Characteristics of costumes show their wearers' highest degrees and, often, the fields of major interest and the institutions by which the degrees are granted.

All bachelors' and masters' gowns are black and untrimmed. The bachelor's gown has a long pointed sleeve, the master's a closed sleeve with an arm slit. Doctors' gowns in the United States are usually black, with velvet front facings and sleeve crossbars. Some universities, especially those abroad, prescribe colorful crimson, bright red, or other colors, set off by black or colored facings.

At commencements, degree candidates wear the gowns for the degrees they are about to receive. Hoods are worn only by those who already possess degrees. Anyone who has a University of Minnesota degree may wear the Minnesota hood—black with a maroon chevron on gold. The length and shape of a hood identify the most advanced degree its wearer has earned, and the hood's velvet edging shows the degree's field: dark blue for philosophy, light blue for education, green for medicine, lilac for dentistry, orange for engineering, russet for forestry, drab for business, olive green for pharmacy, purple for law, gray for veterinary medicine, golden yellow for science, white for liberal arts.

Caps—usually tasseled mortarboards—show by tassel color the nature of degrees awarded at University of Minnesota commencements. Doctors' tassels may be black or gold; masters' are black. Bachelor's degree candidates at Minnesota, however, indicate their fields of study by their tassel colors:

- College of Agriculture ........................................ maize
- College of Biological Sciences ......................... golden yellow
- Continuing Education and Extension ................. orange and drab
- College of Dentistry ........................................ lilac
- College of Education ........................................ light blue
- College of Forestry ........................................ maize
- General College ........................................ crimson and white
- College of Home Economics ............................. maize
- Law School .................................................. purple
- College of Liberal Arts ..................................... white
- School of Management ..................................... drab
- Medical School ............................................. green
- School of Nursing .......................................... green
- College of Pharmacy ...................................... olive
- School of Public Health .................................... green
- Institute of Technology .................................. orange
- University College ......................................... old gold and white
- College of Veterinary Medicine ....................... gray

Gold shoulder fourageres are worn by candidates who are honor students.

After receiving their degrees, holders may wear the academic costume on any appropriate occasion, but they always wear the black tassel, and omit the shoulder insignia. Appropriate academic costumes can be obtained anywhere that academic ceremonies are conducted.
Spring 1982 Graduation Events

College of Agriculture, 7 p.m. June 8
Northrop Memorial Auditorium

College of Biological Sciences, 7 p.m. June 12
North Star Ballroom, St. Paul Student Center

School of Dentistry, 7:30 p.m. June 11
Northrop Memorial Auditorium

College of Education, 7:30 p.m. June 10
Northrop Memorial Auditorium

College of Forestry, 6 p.m. June 5
Theater, St. Paul Student Center

General College, 3 p.m. June 5
Auditorium, Willey Hall

Graduate School, 7 p.m. June 12
Northrop Memorial Auditorium

College of Home Economics, 7 p.m. June 4
Willey Hall

Law School, 5 p.m. May 14
Northrop Memorial Auditorium

College of Liberal Arts, 1 p.m. June 6
Northrop Memorial Auditorium

School of Management, 2 p.m. June 13
Northrop Memorial Auditorium

Medical School, 2:30 p.m. June 4
Northrop Memorial Auditorium

Mortuary Science, 7:30 p.m. June 11
Great Hall, Coffman Memorial Union

School of Nursing, 2 p.m. June 13
Mayo Memorial Auditorium

College of Pharmacy, 3 p.m. June 12
Willey Hall

School of Public Health, 1:15 p.m. May 22
2-470 Phillips-Wangensteen Building

Institute of Technology, 7 p.m. June 2
Northrop Memorial Auditorium

University College, 1 p.m. June 5
Great Hall, Coffman Memorial Union

College of Veterinary Medicine, 2 p.m. June 12
Northrop Memorial Auditorium