

1862 • CENTENNIAL • 1962
OF THE LAND-GRANT ACT

March Commencement, 1962

University of Minnesota

8:30 P.M., MARCH 15
NORTHROP MEMORIAL AUDITORIUM

THE BOARD OF REGENTS

Dr. O. Meredith Wilson, President

Mr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

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 Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable Bjarne E. Grottum, Jackson

The Honorable Robert E. Hess, White Bear Lake

The Honorable Fred J. Hughes, St. Cloud

The Honorable A. I. Johnson, Benson

The Honorable Lester A. Malkerson, Minneapolis

The Honorable A. J. Olson, Renville

The Honorable Otto A. Silha, Minneapolis

The Honorable Herman F. Skyberg, Fisher

SMOKING AND USE OF CAMERAS—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 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 eleventh birthday. In the coming year, it will join with Land-Grant colleges and state universities throughout the nation in observing the centennial of the Land-Grant Act which created educational opportunities for all citizens and which embodied the concept that the welfare of the nation is dependent on the advancement of learning.

As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the youth of today, the citizens of tomorrow. Each year, physicians, lawyers, engineers, social workers, educators, journalists, dentists, veterinarians, farmers, businessmen—community and civic leaders in all fields—go from its several campuses to participate actively in the upgrading of the welfare of the citizens of our state. During the period of its existence the University has awarded more than 157,000 degrees to its students who have completed the rigorous training demanded by the complexities of modern society.

In addition to giving collegiate instruction to more than 30,000 students on its Minneapolis, St. Paul, Duluth, and Morris 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. Still in addition, its staff members who are county agents, home agents, 4-H Club agents, and recreation and health consultants give effective assistance to citizens of the state in their very homes.

In the diverse research laboratories on the University's four 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 Mayo Foundation at Rochester, 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 deal with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and new varieties of grains, fruits, and flowers to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the University Artists Course, Radio Station KUOM, the University Theater, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings to more than a million and a half people in the area it serves, artists and lecturers of quality and talent.

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, living 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. Contributions have made it possible to build 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 thoughtful cooperation has made hundreds of scholarships and fellowships available each year to students of promise. Chiefly because of financial difficulties, only one-half of the Minnesota high school graduates of high ability enter any college or university. Because of this, the friends and supporters of the University are constantly trying to increase the number of scholarships and the amount of money available for such assistance.

Over recent years, much of the University's energy has gone into the necessary planning for the anticipated increases in future enrollments. At present about half of the students in Minnesota colleges and universities attend the University of Minnesota. If the other institutions continue to take this same percentage of these students, not less than 47,000 full-time, fully matriculated students will be attending the University in 1970. This means more teachers, more civil service staff members, more land, and more buildings.

THE 1959 LEGISLATURE granted the University \$49,068,181 for general maintenance during the 1961-63 biennium. In addition, the University received \$6,938,423 for University Hospitals; \$4,432,496 for special appropriations, including special extension and research activities; and \$7,789,351 (\$288,451 now available) for new buildings, land, and for the rehabilitation of existing buildings.

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 1960-61 showed that the University received \$99,915,127.70 and spent \$99,915,799.55 including \$7,071,288.38 paid for the construction and remodeling of buildings and the purchase of land. Of the total received, \$17,296,674.64 came from student tuition and fees, hospital and other department receipts; \$1,642,152.76 from intercollegiate athletics, \$16,187,501.59 from such services as dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, the University Theater, and the Health Service, and from revolving funds; and \$22,781,979.60 from trust funds, including gifts, grants, donations, and income from endowments and research contracts for instruction, research, prizes, scholarships, and the care of the sick. Also \$4,301,271.13 came from federal appropriations for instruction, research, Agricultural Extension, and plant expansion. The state provided \$30,468,443.07, or 35.0% for the University's total operating costs.

All students at the University, their families and friends are invited to continue their enthusiasm and interest in the University of Minnesota. Graduates are especially urged to identify themselves with the Minnesota Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

LAND-GRANT CENTENNIAL PROCLAMATION ISSUED BY THE PRESIDENT OF THE UNITED STATES

August 25, 1961

“WHEREAS July 2, 1962, marks the centennial of the first Morrill Act, approved by President Abraham Lincoln, granting public lands to States and territories in support of colleges to promote ‘liberal and practical education . . . in the several pursuits and professions in life’; and

“WHEREAS the Act opened the doors of colleges and universities to all with the ability and will to learn, irrespective of heredity, occupation, or economic status; and

“WHEREAS the land-grant institutions in the fifty States and the Commonwealth of Puerto Rico carry research and teaching to the citizens of these States and the Commonwealth and to people of other nations, particularly the emerging nations, seeking solutions to economic, social, and physical ills, and enriching the cultural life of the people; and

“WHEREAS the land-grant system of higher education is the Nation’s largest single source of trained and educated manpower and now contributes more than one-half of the Nation’s trained scientists and nearly one-half of all Regular and Reserve officers entering the armed forces through the military programs conducted at civilian institutions; and

“WHEREAS these institutions have historically maintained and currently maintain close cooperative relationships with the United States Department of Agriculture, which marks the centennial of its establishment on May 15, 1962, and also maintain close working relationships with other departments and agencies of the Government, including the Departments of Defense, the Interior, Commerce, Labor, and Health, Education, and Welfare, the United States Information Agency, and the International Cooperation Administration; and

“WHEREAS the Congress, by a joint resolution approved August 25, 1961, has requested the President to issue a proclamation recognizing the centennial of the establishment of the land-grant system of universities and colleges;

“NOW, THEREFORE, I, John F. Kennedy, President of the United States of America, do hereby proclaim that it is fitting and proper to commemorate the centennial of this historic Act of Congress; and I request that the agencies of the Government cooperate with the land-grant universities and colleges throughout the academic year 1961-1962 in recognizing the historical and present close cooperative relationship of such institutions with the departments and establishments of the Government.

“I also request that such centennial be otherwise appropriately celebrated to the end that the occasion may serve to commemorate the unparalleled opportunities for higher education provided by these publicly supported institutions and their efforts through teaching, research, and service to improve the

economic, social, and cultural lives of the people of this Nation and of other nations.

“IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.”



THE LEGISLATURE OF THE STATE OF MINNESOTA passed a Land-Grant resolution in April, 1961, stating that the Centennial of the Land-Grant Act, providing grants of land to be set aside by each state for the support of public state colleges and universities devoted to the education of the common man, be observed and commemorated and that recognition be given by the people of the state to the Land-Grant Act as a cornerstone of American higher education.

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 7:45 to 8:15 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mr. Lowell Lindgren, SLA '64, 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.

PRELUDE CONCERT: From 8:00 to 8:30 p.m., the University Concert Band Ensemble, conducted by Assistant Professor in Music and Bandmaster Frank Bencriscutto, D.M.A., will play:

American Salute - - - - - Morton Gould
Sebastian Ballet Excerpts - - - - - Gian Carlo Menotti
Roman Carnival Overture - - - - - Hector Berlioz

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 8:30 p.m., Professor Wallace F. White, Ph.D., College of Pharmacy, Faculty Marshal, will carry the Mace into the auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal White, 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, the Concert Band Ensemble will play:

Marche Militaire Française - - - - - Camille Saint-Saëns
Die Meistersinger Overture - - - - - Richard Wagner

ON THE STAGE: The curtain will be opened when the Mace Bearer enters. Seated on the stage, from left to right, in the front tier, is Associate Professor Roger E. Wilk, Ph.D., College of Education, Marshal. Seated in the main row, from left to right, are: Recorder True E. Pettengill, M.S., Admissions and Records; Professor Edwin L. Haislet, Ed.D., Executive Secretary of the Minnesota Alumni Association; Lieutenant Colonel Robert J. Elliott, USA, Professor of Military Science; Associate Dean Huntington Miller, LL.B., General Extension Division; The Honorable Bjarne E. Grottum, Regent of the University of Minnesota; Dean Errett W. McDiarmid, Ph.D., College of Science, Literature, and the Arts; Vice President Laurence R. Lunden, LL.D., Business Administration; Dean Harold Macy, Ph.D., Institute of Agriculture; The Honorable Charles W. Mayo, M.D., First Vice President and Chairman of the Board of Regents of the University of Minnesota; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Professor Edna L. Fritz, M.A., College of Medical Sciences; Dean Bryce L. Crawford, Ph.D., Graduate School; The Honorable Oscar R. Knutson, LL.B., Chief Justice of the Minnesota Supreme Court, Commencement Speaker; President O. Meredith Wilson, Ph.D., University of Minnesota; Dean of Students Edmund G. Williamson,

Order of Events

Ph.D., The Reverend George F. Hall, Pastor of the Lutheran Student Foundation on the Minneapolis Campus of the University; Vice President and Administrative Assistant Stanley J. Wenberg, M.A.; Associate Dean Francis M. Boddy, Ph.D., Graduate School; The Honorable Marjorie J. Howard, Second Vice President of the Board of Regents of the University of Minnesota; Assistant Dean Stephen B. Scallen, LL.B., Law School; The Honorable A. I. Johnson, Regent of the University of Minnesota; Dean Walter W. Cook, 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; Dean Horace T. Morse, Ph.D., General College; Captain Cary H. Hall, USN, Professor of Naval Science; Assistant Professor Paul R. Knowles, M.M., Music. Seated in the front tier, from left to right, are: Professor Truman R. Nodland, Ph.D., Institute of Agriculture, Marshal; Associate Professor David R. Storvick, Ph.D., College of Science, Literature, and the Arts, 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 Concert Band Ensemble will play:

Fanfare - - - - - Frank Bencriscutto

The audience will rise for the Presentation of Colors and will remain standing for the National Anthem and the Invocation.

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

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

INVOCATION: The Reverend George F. Hall.

SPEAKING FOR THE UNIVERSITY: President O. Meredith Wilson.

COMMENCEMENT ADDRESS: The Honorable Oscar R. Knutson, Chief Justice of the Minnesota Supreme Court, *The Frontiers of Tomorrow*.

CONFERRING OF ROTC CERTIFICATES: Dean Crawford will introduce Lieutenant Colonel Elliott and Captain Hall who will present the candidates

Order of Events

for commissions in their respective branches of the Armed Services. Certificates of ROTC completion will be presented by President Wilson.

PRESENTATION OF CANDIDATES: Dean Crawford 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: Associate Dean Miller for the General Extension Division; Dean Morse for the General College; Dean McDiarmid for the College of Science, Literature, and the Arts, and for the University College; Acting Dean Verbrugge for the Institute of Technology; Dean Macy for the Institute of Agriculture; Dean Cook for the College of Education; Dean Grambsch for the School of Business Administration; Assistant Dean Scallen for the Law School; Professor Fritz for the College of Medical Sciences; Associate Dean Boddy 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: Professor Edwin L. Haislet.

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

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Dean Boddy to President Wilson who will confer the degrees.

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

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.

Order of Events

RECESSIONAL: The Concert Band Ensemble will play:

Now Thank We All Our God - - - - - Arr. William Latham

Sinfonians March - - - - - Clifton Williams

THE AUDIENCE is requested to remain seated until those in academic dress have left the auditorium.

Candidates for Commissions

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

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Adjutant General Corps

David T. Kirkland, Minneapolis

Jack M. Winick, Des Moines, Iowa

Second Lieutenant, Chemical Corps

Gerald L. Benedict, Minneapolis

Jack A. Burris, Aitkin

Second Lieutenant, Ordnance Corps

David A. Dyke, Minneapolis

Second Lieutenant, Transportation Corps

Harvey D. Hagman, Minneapolis

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Lowell K. Williams, Austin

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

Gerald Charles Borneun, Minneapolis Martin Kenneth Saari, Minneapolis
Elwood Murl Isaacs, Baltimore, Ind.

Industrial Engineering Certificate

John Walter Higgins, West St. Paul

GENERAL COLLEGE

Associate in Arts

Arlen Arthur Axdahl, Iona	Richard Jon Paul Doering, Minneapolis
David William Beatson, St. Paul	Allan David Dudovitz, St. Paul
Rob Roy Benson, Deer River	Donald Maurice Dykema, Raymond
Wayne Robert Benson, Minneapolis	Ernest Harvey Ecklund, Deerwood
Gregory George Beran, St. Paul	Larry Dean England, Minneapolis
Richard Lowell Bergquist, Minneapolis	Louis Lynn Faulkner, St. Paul
John Edwin Bradbury, Cook	Joan Fraeda Feinberg, Hopkins
Thomas James Brennan, Minneapolis	Avery Michael Finn, Minneapolis
Tema Cynthia Brown, Milwaukee, Wis.	David Harold Franz, Minneapolis
Robert James Brownlee, Fairmont	James Milton Gantman, St. Paul
Homer Lehman Cain, St. Paul	Thomas William Gardner, St. Paul
Susan Phyllis Carlson, Minneapolis	Michael Joseph Ginsburg, Hector
Jerome Carroll Cast, Minneapolis	Howard Duaine Glenna, Minneapolis
Richard Wade Chamberlin, Minneapolis	Richard Bertil Grundberg, Minneapolis
Eva Marie Champlin, Minneapolis	Philip Steven Gurian, Harrison, N.Y.
Robert Earl Clarke, Anoka	Gary Blaine Hansen, Minneapolis
Ronald Leo Cummings, Minneapolis	Robert Henry Harding, St. Louis Park
Raymond John Deeg, Jr., Rosemount	Larry Marlin Hartse, Jr., Minneapolis
William Warren Deming, Minneapolis	John Abel Harwood, Minneapolis
	James Oliver Haugen, Newport

Thomas Hill Holland, Minneapolis
 Grant Conrad Hughes, Jr., Minneapolis
 Dean Richard Johnson, Minneapolis
 Richard Dale Jorgenson, Robbinsdale
 Larry A. Kasheimer, South St. Paul
 Muriel Schaefer Kingsley, Minneapolis
 Phillip Arthur Klaesges, Minneapolis
 James Earl Kock, Minneapolis
 John Robert Kostka, South St. Paul
 Ruta Krinte, St. Paul
 Weston John Lamb, Minneapolis
 James William Larson, Minneapolis
 Richard Allan Larson, Willmar
 Harry Mark Levine, St. Paul
 Alexandra Light, Minneapolis
 Robert Carl Lindstrand, Minneapolis
 Earl Frederick Mergens, St. Paul
 Matthew John Metzger III, Minneapolis
 Norbert Walter Meyer, St. Paul
 James Richard Moore, Minneapolis
 Joseph Vern Nasvik, West St. Paul
 Alan Edward Olson, Bloomington
 Dean Harris Olson, Minneapolis
 Roland Eric Olson, Jr., Minneapolis
 Thomas Raymond Parnell, St. Paul
 John Joseph Pavlick, St. Paul
 Wendel Claus Peterson, Minneapolis

Jack Kenneth Porter, St. Paul
 Doris Cordelia Price, South St. Paul
 Ronald George Prokosch, North St. Paul
 Guy Francis Pucci, St. Paul
 Carol Elaine Rasmusson, Wahkon
 Kris C. Reinecke, Wyoming
 Rodger John Reiswig, Minneapolis
 Preston Harold Rice, Crystal
 William Robert Robinson, Minneapolis
 Archie Armand Sarazin, Minneapolis
 Gordon Paul Savoie, Minneapolis
 Marvin John Schroeder, St. Paul Park
 Norman Maxwell Scott Russell, St. Paul
 Donald Walter Skinner, Minneapolis
 Judith May Smith, Minneapolis
 Edward Paul Sweere, New York Mills
 Thomas Lowell Tebbitt, Minneapolis
 William Charles Thompson, Minneapolis
 William Thompson True, Minneapolis
 Dean Olsen Wick, Minneapolis
 Alan Roger Williams, Minneapolis
 Edward Charles Wolter, St. Paul
 Albert Edward Zierman, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Betty-Jane Brandell, Minneapolis
 Loren Theodore Gelle, Osseo
 Duane Arvid Johnson, Minneapolis
 Laurence Richard Nelson, Minneapolis

Elaine Camille Peterson, Minneapolis
 Robert Thomas Whelan, Jr., Minneapolis

Bachelor of Arts

Adele Mary Ackenmann, Wayzata
 Mary Margaret Akin, G.D.H., Edina
 Sharon Yvonne Alfson, Waterloo,
 Iowa
 Jerome Alfred Anderson, Minneapolis
 Richard Sigurd Anderson, Windom

Verna Margaret Anderson, St. Paul
 William Lee Anderson, Minneapolis
 Marlyce Irene Asp, Hutchinson, CUM
 LAUDE
 Sheldon Lee Azine, St. Paul, MAGNA
 CUM LAUDE

John Lumley Bayley, Lake City
 Lou Ann Benshoof, Detroit Lakes,
 CUM LAUDE
 Jean Terese Borash, St. Paul
 Gordon Adin Braatz, Fergus Falls
 Mary Beth Braden, Minneapolis
 Helen Maxine Brown, Buena Vista,
 Colo.
 Jane Bruce, St. Paul, CUM LAUDE
 Gene E. Brueschoff, Waconia, MAGNA
 CUM LAUDE
 Andrew John Buksa, Minneapolis
 Lois Dale Bullock, Minneapolis
 Bernard James Calvelage, Minneapolis
 Bruce Anthony Campbell, Mahtomedi,
 MAGNA CUM LAUDE
 William Charles Campion, Minne-
 apolis
 Malcolm Gordon Chatfield, Minne-
 apolis
 Robert Roy Curwen, Minneapolis
 Patricia Davidson, St. Paul
 Jack Anthony DeFonso, Minneapolis
 Gordon Richard Dodge, West St. Paul
 Patricia Eleanor Donham, St. Paul
 Marcia Ann Duffy, Eau Claire, Wis.
 George Martin Eckenroth, Minne-
 apolis
 Robert William Eichinger, Jr., New
 Ulm
 Sonja Ann Ellingson, Northfield
 Lowell Paul Engelhard, Randall
 Virginia Ann Erskine, St. Paul, CUM
 LAUDE
 Rudolph Milton Ertl, Minneapolis
 John Taylor Evans, A.A., Osseo
 Andrew Eric Falk, Minneapolis
 Lawrence W. Freeborg, St. Paul
 Lynne Sharon Freed, St. Joseph, Mo.
 Roger Howard Galanter, St. Louis
 Park
 James John Galman, Jr., St. Paul
 Leah Esther Gass, Minneapolis
 Phyllis Marie Gay, Anoka
 William Campbell Gleason II,
 Hopkins
 Dennis Theodore Grendahl, Minne-
 apolis
 Richard Lee Gunderson, Spring Valley
 James Walter Gustafson, Biwabik
 Ronald Peter Haar, Minneapolis
 John William Hagen, Minneapolis,
 MAGNA CUM LAUDE
 Harvey Dixon Hagman, Minneapolis
 Morgan Robert Hallwachs, Staples
 Geraldine Eleanor Hanson, Minne-
 apolis
 Robert Peter Hanson, Minneapolis
 Edward Stanley Herman, Minneapolis
 John Harold Herriford, Minneapolis
 John David Hess, Willmar
 Robert Erwin Hoefst, Minneapolis
 Judith Bernice Hoffman, Goodridge
 Don Aldon Hogle, Minneapolis
 Jay Paul Hornbacher, Redwood Falls
 Gary William Hume, Minneapolis,
 MAGNA CUM LAUDE
 James Otho Jackson, Minneapolis
 David L. Jensen, Elmore
 Judith Kay Gleason Jensen, Minne-
 apolis
 Ralph Walter Jewell, St. Paul Park
 William Michael Job, Minneapolis
 Michael Stanley Johns, St. Paul, CUM
 LAUDE
 Audrey Ramona Johnson, Watertown,
 S.D., CUM LAUDE
 Lowell Erik Johnson, Bovey
 Mirza L. Janecky Jones, Barnesville,
 CUM LAUDE
 James Harold Justesen, Minneapolis
 Nobutaka Kawatsu, Nagoya, Japan
 Gervaise Edward Kimm, Minneapolis
 Frances Goellert Kueffner, St. Paul
 Benjamin Millman Lifson, Minne-
 apolis, CUM LAUDE
 Thomas Edward Lilly, St. Paul
 Stephen Fay Lyke, Spring Valley
 Steven Selle Manos, St. Paul, SUMMA
 CUM LAUDE
 Thomas Courtney Moan, Glenwood
 Barbara Jean Moe, Virginia
 Michael James Moriarty, St. Paul
 Eugene Granville Morstad, Minne-
 apolis
 J. Gregory Murphy, A.A., Aitkin
 John Douglas Neale, Lake Benton
 David Rustad Nelson, Minneapolis
 Marcia Ruth Nelson, Rochester, CUM
 LAUDE

Noel Arthur Nelson, Jr., Minneapolis
Donald Edward Notvik, Minneapolis
Sigrid Barbara Olness, Peterson,
MAGNA CUM LAUDE
Paul Daniel Pederson, Minneapolis
Diane Mary Peters, White Bear Lake
Marna Catherine Peterson, Richfield
Stanley Sherman Phillips, Minneapolis
Dennis Edward Prohofskey, St. Paul
Ronald Walter Ratcliff, Minneapolis
Edward John Rau, St. Paul
Anthony L. Rayer, Ely
Beverly Jean Rich, Duluth
John Magnus Saboe, Brainerd
Robert Park Sands, St. Paul, CUM
LAUDE
Allan Ira Sandum, Minneapolis
John Robert Sauer, A.A., Stillwater
John Cooper Schantz, Rochester
Robert Wayne Schnur, Nevada, Iowa
William Fitterling Sharpe, Jr., Edina
Arnold David Silberman, Minneapolis

Ervin Staub, Minneapolis, MAGNA CUM
LAUDE
Donald George Sundell, Minneapolis
David Lynn Swenson, Minneapolis
David Arthur Thompson, Bayport
Patricia Ann Torske, Pine River,
MAGNA CUM LAUDE
Ronald Gene Troop, Grand Rapids
Emily Andrews Uppgren, Ann Arbor,
Mich., MAGNA CUM LAUDE
Ned Jeremiah Waldman, Minneapolis
Owen Joseph Wales, St. Paul
Joanne Marie Walgreen, Minneapolis,
CUM LAUDE
Mary Susan Walker, Minneapolis
John Taylor Weaver, Minneapolis
Mary Emma Weinmann, East Chain,
CUM LAUDE
Eugene Michael Wewerka, St. Paul
Ruth Irene Wilson, Minneapolis
Lee Essler Woods, Bemidji

UNIVERSITY COLLEGE

Bachelor of Arts

John William Baum, Highland Park, Ill.

Bachelor of Science

Jane Ann Mueller, Mankato

INSTITUTE OF TECHNOLOGY

Certificate in Science

Lawrence Francis Johnson, Minneapolis

Bachelor of Science

Olufemi Akintonde Lalude, Ibadan, Nigeria, WITH DISTINCTION

Bachelor of Aeronautical Engineering

Roger Wilbert Olson, Minneapolis

Bachelor of Architecture

Mohamed Saleem Ahmed, B.C.E.,
Karachi, Pakistan

Robert Merrill Lambert, B.A., Min-
neapolis

Harvey Rufus Parks, St. Paul

Thomas William Prokasky, Minne-
apolis

Dana Christopher Rickli, B.A., Min-
neapolis

Richard Francis Zenisek, Minneapolis

Bachelor of Chemistry

Gerald Lee Benedict, Minneapolis

Michael Roger Coscio, Jr., Minne-
apolis

Omer Lynn Deweese, Jr., Minneapolis

George Charles Licke, Deer River,
WITH DISTINCTION

John Hamilton Sellstedt, St. James,
WITH DISTINCTION

Donald Norman Wiskow, St. Charles

Bachelor of Civil Engineering

James Morgan Johnson, Minneapolis

Bruce Odin Mikkelson, Minneapolis

James William O'Brien, St. Paul

Keith Anders Smith, Staples

Robert Lavern Sprengeler, Janesville

William Allen Steen, Mound

Kenneth Charles Trygg, Cook

Thomas Paul Wasbotten, Minneapolis

Bachelor of Geological Engineering

Raymond William Nyberg, Minneapolis

Bachelor of Mechanical Engineering

Norman Andreas Anderson, Climax

Wesley Paul Anderson, Soudan

Richard Parker Backstrom, Minne-
apolis

David Harrison Bartle, White Bear
Lake

Dale Laverne Bartley, Austin

David Herbert Eckblad, Welch

Bernard Daniel Gruenke, St. Cloud

Robert Walter Haberkorn, Bloom-
ington

Leslie Howard Mateffy, Milaca

George Frederick Olson, Mound

Maris Schefers, Westbrook

Edward Alden Stafford, Minneapolis

Odd Magne Unstad, Smedvik, Norway

David Paul Wagtskjold, Cloquet

Gary Paul Warmka, Easton

Bachelor of Metallurgy

Roger Harry Anderson, St. Paul

Bachelor of Mining Engineering

Donald Wilbert Trepp, St. Paul

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

Technical Certificate in Agriculture

Philip Allan Abrahamson, Lanesboro
M. Howard Boatman, Lake City
John Thomas Butler, Blooming Prairie
Vernon Walter Ebeling, Trimont
Luvern Lee Hanson, Adams
Ronald Hilmer Hlavka, Silver Lake
Donald Edward Hora, Montgomery
Glen Gordon Klopfleisch, Brownton
Paul Harris Mickelson, Duluth
Harlow Richard Radke, Hastings

Richard Rolland Rogers, Porter
Donald Harry Rosenberg, Farwell
Robert Lynn Shervey, Barrett
Leroy Merle Tagatz, Blue Earth
Ronald Joseph Tersteeg, Olivia
Jerald Gordon Thomsen, Porter
Bernard Henry VanZomeran, Chokio
Eckart Tjards Wendebourg, Essen,
Germany

Bachelor of Science

David Jerome Blomquist, North
Branch, Agriculture
Richard Arnold Bundy, Minneapolis,
Forestry
Robert Walter Chase, St. Paul, Agri-
culture
Constance Maude Cooper, Minne-
apolis, Home Economics
John Joseph Deal, Herman, Agri-
culture
Richard Phillip Doucette, Little Falls,
Forestry
DuWayne Edward Evenson, Minne-
sota Lake, Agriculture
Myron Carl Fabel, Cologne, Agricul-
ture
Dennis Lloyd Gardner, Aitkin,
Forestry
Daniel Keith Haapala, Dassel, Agri-
culture

John Peter Hames, Lake City, Forestry
Paul Leonard Heckmann, Bartlett, Ill.,
Forestry
Roger Leonard Jewell, Pine City,
Forestry
Richard Dwight Kilby, A.A., Minne-
apolis, Agriculture
Gerald Roger Lowry, New Auburn,
Wis., Agriculture, WITH DISTINCTION
John Leo Lyle, Oakland, Agriculture
Paul Donald Manion, Hopkins,
Forestry
Robert Arthur Megraw, Rochester,
Forestry, WITH HIGH DISTINCTION
William Henry Moehn, Crookston,
Forestry
Harvey Walter Mohrenweiser, Mora,
Agriculture
Elizabeth Janet Murphy, River Falls,
Wis., Home Economics

Dennis LeRoy Sharp, Big Fork, Agriculture
Richard Edwin Siefert, Deer River, Agriculture, WITH DISTINCTION
Marcus LeRoy Siewert, Zumbro Falls, Agriculture
Victoria Frances Sloat, St. Paul, Home Economics
Gilbert Franklin Stallknecht, Baudette, Agriculture
Russell Allen Steen, Ada, Agriculture, WITH DISTINCTION

Allan Carl Stensrud, Freeborn, Agriculture
Vivian Annette Thoreson, Minneapolis, Home Economics
Randall Everett Torgerson, Manitowoc, Wis., Agriculture
Joanne Luella Westfall, Rothsay, Home Economics
Marilyn Catherine Wolf, Le Sueur, Home Economics

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

Bachelor of Science

Glenn Alfred Arfstrom, Ashby, Agricultural Education
James Dean Becker, Farwell, Agricultural Education
Sylvia Ann Bucher, St. Paul, Home Economics Education
Romeo Clarence Cyr, Red Lake Falls, Agricultural Education
James John Kastanek, Pierz, Agricultural Education

Virginia Nesbitt Lawson, Somerset, Wis., Home Economics Education, WITH DISTINCTION
David Allen Shodean, A.A., Detroit Lakes, Agricultural Education
Leanne Kay Skjervold, St. Paul, 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

Einar Michael Borch, Jevnaker, Norway

Stanley Eino Nuorala, Jacobson

COLLEGE OF EDUCATION

Bachelor of Science

- Adele Mary Ackermann, Wayzata
Richard Sidney Alford, Minneapolis
Thomas David Bacig, B.A., St. Paul
John Colburn Baker, Columbia Heights
Marlene Joanne Baxter, Minneapolis
Donna Myrtle Strahl Bolstorff, Faribault
Barbara Ann Brackett, Minneapolis, WITH DISTINCTION
Donna Jean Brandon, Lakeville
Colleen Ann Burke, Grand Rapids
Adolph Carl Christensen, Richfield
Diana Ruth Davis, Sheboygan, Wis.
Mary Ann Dunlap, Austin
Sybil Margaret Duus, A.A., Cedar Falls, Iowa
Judith Marie G. Eckwall, Minneapolis, WITH DISTINCTION
Beatrice Elaine Kallberg Erickson, Minneapolis
Lois Elaine Olsen Erickson, Minneapolis
Margaret Louise Fair, St. Paul, WITH DISTINCTION
June Martha Talus Fieger, Biwabik
Stephanie Sue Fouts, Kansas City, Mo., WITH HIGH DISTINCTION
Nancy J. Garrity, Austin, WITH DISTINCTION
Gloria Gladys Gerbig, Faribault
Daryl Robert Gibson, New Brighton, WITH DISTINCTION
Kenneth Clarence Grindeland, Minneapolis
Carol Lorraine Halvorson, Richfield, WITH HIGH DISTINCTION
Shirley Jean Handberg, Crane Lake
Sharalyn Marie Hanson, Excelsior, WITH DISTINCTION
Patricia Ann Heirigs, South Bend, Ind., WITH DISTINCTION
Shirley Mae Jackson, Minneapolis
Sara Cecile Javinsky, Minneapolis
Joanne Marina Johanos, Minneapolis
Raymond Henning Johnson, Minneapolis, WITH DISTINCTION
Marlys Mary Johnston, Minneapolis
Ralph Henry Joyce, St. Paul
Elaine Annette Kaner, Cloquet
Richard Raymond Kempter, Minneapolis
Elijah James Keys, Washington, D.C.
David Trimble Kirkland, A.A., Minneapolis
Marlene Carol Klassy, Minneapolis
Ruth Alice Kline, Minneapolis
Jeanette Anne Knoss, Minneapolis
Geraldine H. Kozberg, B.B.A., St. Paul
Naomi Ruth Krueger, B.A., Plymouth, Wis.
David Horace Kulenkamp, West St. Paul
Irene Kathrine Larson, Minneapolis
Darel John Leipold, B.B.A., Minneapolis
Virgil Mourning Linderoth, Minneapolis
Gayle Judith Litman, Duluth
Carol Ann Lyons, Minneapolis
Anne Marie Matthews, Minneapolis, WITH DISTINCTION
Jay Thurston McCluskey, A.A., St. Paul, WITH DISTINCTION
Lucille Bower Moe, St. Paul
Kathleen Morrison, Minneapolis
Linda Rae Nelson, Minneapolis
Marilyn Joan Nelson, Excelsior
James John Niles, South St. Paul
Harry William Nissen, Jr., B.A., St. Paul
Warner Oric Noble, Minneapolis, WITH DISTINCTION
Judith Emi Nomura, St. Paul, WITH HIGH DISTINCTION
Dolores Tester Notermann, Waconia, WITH DISTINCTION
James Patrick O'Brien, Spring Park
Beverly Marlene Olsen, Minneapolis
Catherine A. Ambroz Omacht, Minneapolis

Bernice Preul Paulus, Minneapolis
Judith Miriam Paymar, St. Paul
Judy Ann Pryor, St. Paul, WITH
DISTINCTION
Donald Edward Rachner, A.A., Min-
neapolis
Howard Charles Raschke, St. Paul
Thomas Lee Reynolds, Minneapolis
Robert LaVerne Ritlinger, Rochester
Marilyn Kathleen Sexton, Minneapolis
Thomas Baldwin Simpson, Edina
Helen Glisky Smith, St. Paul
Janice Kay Stussy, Wells, WITH
DISTINCTION

Frederick John Sulzbach, Minneapolis
Carolyn Charlotte Toft, Minneapolis
William Oscar White, Minneapolis
Joseph Leroy Wicks, Minneapolis
Mary Jo Woestehoff, Minneapolis,
WITH HIGH DISTINCTION
Marian Elizabeth Wolters, B.A., St.
Paul
Hubert Yasuo Yamamoto, B.A., M.A.,
St. Paul
Richard George Young, North St. Paul
Loene Mae Zuber, Minneapolis

Master of Education

Leona Josephine Larm, B.S., Minneapolis

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Steven James Baloga, South St. Paul
Martin Boorsma, Minneapolis
Donald Ray Eckmann, Minneapolis
Leonard Parnel Gisvold, Jr., Minne-
apolis

James D. Haglund, Chanhassen
Marion Margaret Hanrahan, St. Paul
William Matthew Keating, Minne-
apolis

Bachelor of Science in Business

Edward Alan Altermatt, St. Paul
Richard K. Blankenfeld, Canby
Earl Hamilton Brittain, Jr., B.A., Glen
Lake
William Goodwin Carlson, A.A.,
Austin
Lester Thomas Davis, Mound
David Arlen Dyke, Minneapolis
John Franklin Elmquist, Minneapolis
Allen David Enge, Minneapolis
Lee Norman Fitch, St. Paul
Michael Joseph Gorra, Minneapolis
Roger Wheeler Hagberg, Rochester
Glenn Larum Hansen, Crookston
Verl William Harris, St. Paul

Robert Martin Hult, St. Paul
Gerald Arthur Keeley, Hopkins
John Ellsworth Kenfield, Bemidji
Robert James Kohlstedt, Minneapolis
William Ward MacPhail, Minneapolis
Rodney Lee Miley, Atwater
Thomas Dillon Ostertag, St. Paul
Wayne Petrus Persson, Minneapolis
Philip Sigfred Peterson, St. Paul
Curtiss John Renneke, Arlington
Gary Rosenberg, St. Paul
Roger Hubert Salchert, Minneapolis
Louis Alexander Steblay, Eveleth
Richard Allen Walter, Anoka

Bachelor of Science in Economics

Eugene John Baker, Minneapolis
Herbert S. Chilman, Jr., St. Peter

Jerome Gregory Nelson, St. Paul
John William Strate, St. Paul

LAW SCHOOL

Bachelor of Laws

Robert Lee Bergstrom, B.B.A., Minneapolis
Thomas William Healy, B.A., Austin
Keith Francis Hughes, B.A., St. Cloud

Maclay Reed Hyde, B.A., Minneapolis
Thomas Francis Kelly, B.A., St. Paul
Seth Robert Phillips, B.A., Brainerd

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing*

JoAnne Margaret Ashton, Ogilvie
Sharon Nord Blilie, Wolverton
JoAnn Marie Brandjord, Souris, N.D.,
WITH DISTINCTION
Carol Jean Carlson, Comstock
Audrey Jean Dalen, Georgetown, WITH
DISTINCTION
Winifred Lee Einerson, Olivia
Sharron Lee Eldridge, Wolf Point,
Mont., WITH DISTINCTION
Joanne Ceile Foster, Minneapolis
Sally Louise Plank Fowler, Minne-
apolis
Judith Roberta Gareis, Minneapolis
Margaret Elizabeth Gast, A.A., Park
Ridge, Ill.
Sharon Marie Gehrke, Minneapolis
Donna Johanna Gerchman, Ely
Linda Belle Girard, St. Paul
Mary Frances Griswold, Crosby
Arline Delores Gustafson, Minneapolis
Constance Naomi L. Haglund, North-
field, WITH DISTINCTION
Betty Joan Hansen, Sioux Falls, S.D.

Carol Louise Hansen, Moorhead
Julie Christine Ince, Des Moines, Iowa
Wallis Annette Jackson, St. Paul
Jeanette Arlene Jarvey, Eveleth
Arlis Helen Johnson, Heron Lake
Joanne Claire Johnson, Lakota, N.D.
Karen Sylvia Johnson, Virginia
Mabel Myrtle Johnson, Wisconsin
Rapids, Wis., WITH DISTINCTION
Marian Alice Johnson, Wisconsin
Rapids, Wis., WITH DISTINCTION
Dianne Lily Kading, Minneapolis
Lois Ann Krenz, Faribault, WITH
DISTINCTION
Ruth Constance Meberg, Park River,
N.D., WITH DISTINCTION
Adrienne Gail Miller, St. Paul
Jean Ruth Miller, A.A., Worthington
Susan Louise Morley, St. Paul
Donna Carlson Neal, Minneapolis
Judith Arlene Oszman, B.S., St. Paul,
WITH HIGH DISTINCTION
Lilah Corrine Piper, Red Wing

* These degrees are conferred subject to the satisfactory completion of nursing practice prior to June 9, 1962.

Karen Annette Reishus, Cottonwood,
WITH DISTINCTION
Colleen Rosenberger Rouxer, Minne-
apolis
Ann Marie Shears, Max
Lynn Ann Soppeland, Mankato
Kathryn Elizabeth Starkey, St. Louis
Park, WITH HIGH DISTINCTION
Joan K. S. Stensland, Minneapolis,
WITH HIGH DISTINCTION

Karen Lee Stensrud, Lakefield
Virginia Ruth Strand, Kansas City,
Mo.
Mary Ruth Thompson, Sunburg, WITH
HIGH DISTINCTION
Marilyn Reese Webber, Marshall
Mary Eleanor Erskine Wheeler, Min-
neapolis

Bachelor of Science in Nursing Administration

Margaret Jessie Corliss, Chicago, Ill.
Marie Ellen Manthey, Chicago, Ill.,
WITH DISTINCTION

Bernadette Alice McKay, Hempstead,
L. I., N.Y., WITH DISTINCTION

Bachelor of Science

Avis Marie Hernwall, Eagle Bend,
Public Health Nursing
Agnes Steinmeier Jensen, R.N., Min-
neapolis, Public Health Nursing
Darleen Louise Sickert, Waverly,
Iowa, Public Health Nursing

Raymond Edward Stanley, Fort
Dodge, Iowa, Medical Tech-
nology**
Ann Louise Toddie, Rochester, Medi-
cal Technology**

Master of Public Health

Jaakko Kustaa Kihlberg, M.A., Bloomington

** These degrees are conferred subject to the satisfactory completion of practical work prior to June 9, 1962.

GRADUATE SCHOOL

Master of Arts

Robert Smith Abrams, Minneapolis
B.S. '59, University of Minnesota. Field of Concentration: History.

Donald Ray Adolphson, Dawson
B.S. '49, Gustavus Adolphus College. Field of Concentration: Educational Administration.

Laird Bryce Andersen, Minneapolis
B.S. with distinction '50, M.S. '51, University of Minnesota; Ph.D. '54, University of Illinois. Field of Concentration: Psychology.

Curtis Martin Anderson, Minneapolis
B.A. '55, Augsburg College. Major: Music. Minor: History and Philosophy of Education. Thesis: Short Symphony.

Hope Hamrin Bailey, Ely
B.A. '28, Hamline University. Field of Concentration: Curriculum and Instruction.

Joseph Harry Beck, Huntsville, Tex.
B.A. '34, University of Wisconsin. Field of Concentration: Speech and Theater Arts.

Laurel Dayton Benson, White Bear Lake
B.S. with honor '57, Winona State College. Field of Concentration: Curriculum and Instruction.

David Merlen Berg, Minneapolis
B.A. '54, St. Olaf College. Field of Concentration: Speech and Theater Arts.

Carolyn Lower Bliss, Minneapolis
B.A. *magna cum laude* '56, Augsburg College. Field of Concentration: Music.

John William Boyer, Jr., Cloquet
B.S. *cum laude* '60, University of Minnesota. Field of Concentration: Education.

Harry Paul Bruncke, Jr., St. Paul
B.A. '55, Carroll College; B.S. '57, University of Minnesota. Field of Concentration: Art Education.

Roger Frederick Burg, St. Paul
B.A. *cum laude* '60, University of Minnesota. Field of Concentration: Library Science.

Walter Theodore Connett, St. Paul
B.A. '52, B.S. '56, University of Minnesota. Field of Concentration: Area Studies: Northwest Europe.

Kathryn Rebecca Coram, Orchard Gardens
B.A. '55, Mt. Holyoke College. Field of Concentration: Speech and Theater Arts.

Peter Bertram Corbin, London, England
B.Sc. '59, London University. Field of Concentration: Geography.

Donald Drobac, St. Paul
B.A. '57, University of Wisconsin. Major: Sociology. Minor: Industrial Relations. Thesis: A Study of Trade Union Attitudes in a Public Employees' Union.

Russell Galen Hanson, Benson
B.A. '59, University of Minnesota. Major: Sociology. Minor: Political Science. Thesis: The Collision of Social Groups in the Case of John Thomas Scopes.

Robert Arthur Hed, Minneapolis
B.S. '50, St. Cloud State College. Field of Concentration: Curriculum and Instruction.

Bartholomew Po-chen Hsi, Shanghai, China
Certificate '56, Chinese Government. Field of Concentration: Statistics.

Noel Severin Iverson, New Ulm
B.A. '58, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: Ethos and Social Structure: A Study of Social Change in the German-American Community of New Ulm.

Arthur Philip Johnson, Jr., Hibbing
B.A. '59, University of Minnesota. Field of Concentration: Industrial Relations.

Helen Joy King, Minneapolis
B.S. with distinction '55, University of Minnesota. Field of Concentration: Music.

- William Robin La Bissoniere, Minneapolis
B.A. '57, University of Minnesota. Field of Concentration: Library Science.
- Robert George LeBlanc, Nashua, N.H.
B.A. '59, University of New Hampshire. Major: Geography. Minor: History. Thesis: The Academic Migrations.
- Donald Clair Liebenstein, St. Paul
B.A. '52, Macalester College. Field of Concentration: Curriculum and Instruction.
- Judith Ann Machado, Tulare, Calif.
B.A. '59, University of California. Field of Concentration: English.
- Meta Maneks, Minneapolis
B.A. '59, University of Minnesota. Field of Concentration: Psychology.
- Robert Edward Martinka, Excelsior
B.A. '54, St. John's University (Minn.). Field of Concentration: Educational Administration.
- James Stephen McMillin, Minnesota
B.A. *summa cum laude* '60, St. John's University (Minn.). Field of Concentration: Psychology.
- James Ronald Mercer, Chicago, Ill.
B.A. '52, Emmanuel Missionary College. Field of Concentration: Music.
- Stephen Joseph Miletich, Duluth
B.S. '57, University of Minnesota. Field of Concentration: Industrial Education.
- Thomas Grundtvig Nielsen, Santa Barbara, Calif.
B.A. '54, University of California (Santa Barbara). Field of Concentration: Curriculum and Instruction.
- Frederick Stanley Olson, New Ulm
B.A. '53, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Soepojo Padmodipoetro, Jogjakarta, Indonesia
B.A. '54, Gadjah Mada University (Indonesia). Field of Concentration: Economics.
- Bruce Dallman Paine, Bloomington
B.S. '52, University of Minnesota. Field of Concentration: Industrial Education.
- Jerome Larson Paul, St. Paul
B.A. '59, University of Minnesota. Field of Concentration: Mathematics.
- Floyd Hilding Pearson, Minneapolis
B.S. '49, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Rodolfo Paras Perez, Pasig, Rizal, Philippines
B.F.A. *cum laude* '57, University of the Philippines. Major: Art. Minor: Philosophy. Thesis: The Factors of Time and Space in Pictorial Composition.
- Lourdes Crescencia Saniel, Quezon City, Philippines
B.P.E. '51, University of the Philippines. Field of Concentration: Physical Education.
- Selma Goldstein Schwartz, Minneapolis
B.A. '35, University of Nebraska. Major: French. Minor: English. Thesis: Voltaire and the Jews.
- James Schwinden, Wolf Point, Mont.
B.S. '52, University of Minnesota. Field of Concentration: Economics.
- Harlan Herbert Sheely, Minneapolis
B.S. '55, Mankato State College. Field of Concentration: Curriculum and Instruction.
- Merle Sherman, Minneapolis
B.E. with high honors '32, Moorhead State College. Major: Geography. Minor: Sociology. Thesis: A Geographic Study of the Red Lake Chippewa Indian Band of Minnesota.
- Roy Sin Woo Shin, Seoul, Korea
B.A. '58, Macalester College. Field of Concentration: Political Science.
- David Ernest Shove, Minneapolis
B.A. *magna cum laude* '59, University of Minnesota. Major: Philosophy. Minor: Psychology. Thesis: Logic, Language, and Morals.
- Georgiana Sobola, Cardott, Wis.
B.S. '47, Wisconsin State College (Eau Claire). Field of Concentration: Library Science.
- Donald Richard Sonsalla, Winona
B.S. '55, University of Minnesota. Field of Concentration: Educational Psychology.

Conway Arthur Thompson, Cambridge

B.A. '47, Gustavus Adolphus College. Field of Concentration: Educational Administration.

Helen Ann Turck, Litchfield

B.S. *cum laude* '55, College of St. Scholastica. Field of Concentration: Home Economics Education.

Roman Eugene Tymchyshyn, Chisholm

B.A. '54, University of Minnesota. Major: Speech and Theater Arts. Minor: Russian. Thesis: A Translation and Adaptation of *The Twelve Months* by Samuel Y. Marshak for Children's Theatre.

Emma Stetter Vezzani, New York, N.Y.

B.A. *cum laude* '59, Hofstra College. Field of Concentration: Psychology.

John Bruce Wasson, Battle Lake

B.S. '59, University of Minnesota. Field of Concentration: Educational Psychology.

Paul Lawrence Westerlund, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Industrial Relations.

Master of Arts in Public Administration

David Joseph Berg, Minneapolis

B.B.A. '51, University of Minnesota. Major: Public Administration. Thesis: Federally Sponsored Research in Universities—The Cost Sharing Problem.

Gordon Scott Murphy, Wheaton, Md.

B.A. '50, Hamline University. Major: Public Administration. Thesis: The Postal Inspectors Defeat Eviction: A Case Study in the Re-allocation of Office Space by the General Services Administration.

Master of Business Administration

Anand Swarup Garg, Ghaziabad, India

B.A. '56, Agra University; M.A. '59, Delhi University. Field of Concentration: Business Administration.

Thomond Robert O'Brien, St. Paul

B.A. '55, Williams College. Field of Concentration: Business Administration.

Master of Science

George Stephen Austin, Northfield

B.A. '58, Carleton College. Major: Geology. Minor: Mining Engineering. Thesis: Photogeology of Cook County, Minnesota.

Dennis Earl Barnaal, Sacred Heart

B.S. with highest distinction '58, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Pulsed NMR in Single Crystals of Ice.

Guillermo Campbell, San Jose, Costa Rica

B.S. '49, B.A. '54, University of Costa Rica. Field of Concentration: Soils.

Cheng Chen, Chingkaing, China

B.S. '56, Taipei Institute of Technology. Field of Concentration: Physical Chemistry.

John Barrington Kay Clark, Edinburgh, Scotland

B.Sc.(Agr.) '50, University of Edinburgh. Field of Concentration: Dairy Husbandry.

Alexander L. Deak, Budapest, Hungary

B.A. equiv. '56, Technical University of Budapest and '58, Marquette University. Field of Concentration: Mechanics and Materials.

Dimis June Ehninger, Downers Grove,
Ill.

B.A. *summa cum laude* '59, Coe College. Field
of Concentration: Botany.

Alan Gordon Ferguson, London,
England

B.Sc.(Hons.) '57, Kings College (England).
Field of Concentration: Botany.

Jerry Lee Fogt, Botkins, Ohio

B.S. *cum laude* '58, Ohio State University.
Major: Physical Chemistry. Minor: Organic
Chemistry. Thesis: Complexes of Molecular
Iodine With Aromatic Hydrocarbons.

Albert Earnest Grable, Loma Linda,
Calif.

B.A. '59, La Sierra College. Major: Entomol-
ogy. Minor: Botany. Thesis: Seasonal Abun-
dance of Principle Phytophagous Insects of
First-Year Yellow Sweetclover, *Melilotus offi-*
cialis (L.) Lam., in Minnesota.

Maria Manucla Treichler Knopfli
Gracias, Vila Viyosa, Portugal

Ch.Eng. '56, Lisbon Institute of Technology.
Major: Analytical Chemistry. Minor: Physical
Chemistry. Thesis: Differential Spectropho-
tometric Titrations.

Ralph Wilhelm Gundersen, Jr., St.
Paul

B.S. *cum laude* '59, Hamline University. Major:
Entomology. Minor: Botany. Thesis: The Ef-
fects of Flooding on Populations of Ground
Forms on Islands in the St. Croix River.

Mary Susan Gussenhoven, Lewiston,
Idaho

B.A. *cum laude* '59, Mount Holyoke College.
Field of Concentration: Physics.

James Henry Hammill, Minneapolis

B.S. '57, University of Minnesota. Field of
Concentration: Agricultural Economics.

Edward Frederick Haskins, Minne-
apolis

B.A. *magna cum laude* '59, University of Min-
nesota. Field of Concentration: Botany.

Dasharath Savala Jadhav, Poona, India

B.Sc. '55, Bombay Veterinary College. Field
of Concentration: Dairy Husbandry.

Larry James Littlefield, Spiro, Okla.

B.S. '60, Cornell University. Major: Plant
Pathology. Minor: Botany. Thesis: Histological
and Physiological Studies of Corn Stalk Rot
Disease.

Sithamparapillai Mahadeva, Jaffna,
Ceylon

B.Sc.(Agri.) '55, University of Poona. Field of
Concentration: Horticulture.

Eliot Randal Rowland Marhenke,
Philadelphia, Pa.

B.S.Chem. with distinction '58, University of
Michigan. Major: Analytical Chemistry. Minor:
Organic Chemistry. Thesis: Spectrophotometric
Determination of Palladium with *p*-Nitrosodi-
phenylamine after Coprecipitation with Tel-
lurium.

Carlton Hans Nelson, Mankato

B.A. '59, Carleton College. Major: Geology.
Minor: Zoology. Thesis: Geological Limnology
of Crater Lake, Oregon.

Ambrose Harry Rajamannan, Jaffna,
Ceylon

G.V.Sc. '55, Bengal Veterinary College. Major:
Dairy Husbandry. Minor: Veterinary Anatomy.
Thesis: Effects of Rate of Milking and Percent
Complementary Milk on Milk Production.

Sadao Sakamoto, Kyoto, Japan

B.Ag. '54, Kyoto University. Major: Horticul-
ture. Minor: Plant Genetics. Thesis: Fertility
and Crossability of Certain Wild Brambles of
Minnesota and Wisconsin.

Rajendra Prasad Singh, India

B.S. '56, B.V.Sc. & A.H. '58, Agra University.
Field of Concentration: Veterinary Medicine.

Robert Anthony Stryk, St. Paul

B.Ph. with distinction '59, University of Min-
nesota. Major: Physics. Minor: Mathematics.
Thesis: The Application of Quadrupole Foc-
using to a Mass Spectrometer Source.

Ronald Lee Taylor, Hayward, Calif.

B.A. '60, San Jose State College. Major: En-
tomology. Minor: Botany. Thesis: The Subi-
marginal Cuticle of the Mayfly (*Callibaetis* sp.).

Francis Ta-chuan Ting, China

B.S. '57, University of Taiwan. Field of Con-
centration: Geology.

Peter John Torvik, St. Paul
B.S. with distinction '60, University of Minnesota. Field of Concentration: Mechanics and Materials.

Bruce David Vannelli, South St. Paul
B.S. '59, University of Minnesota. Field of Concentration: Mathematics.

Master of Science in Aeronautical Engineering

James Robert Datta, Winona
B.S. *cum laude* '60, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Leon Harry Zacho, White Bear Lake
B.A.E. '57, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Agricultural Engineering

Gideon Shavit, Raanan, Israel
B.S. in Ag.E. '59, Technion Institute of Technology (Israel). Field of Concentration: Agricultural Engineering.

Master of Science in Chemical Engineering

Walter George Bauer, Ada
B.S. '60, University of Minnesota. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Mass Transfer Characteristics of a Venturi Liquid-Gas Contactor.

Robert Walton Gore, Newark, Del.
B.Ch.E. '59, University of Delaware. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: An Optical Study of Interfacial Turbulence.

David Hugh Mellor, Manchester, United Kingdom
B.A. '60, Cambridge University. Major: Chemical Engineering. Minor: Philosophy. Thesis: Analytic Study of Chemical Reaction in Fluidized and Moving Beds.

Master of Science in Civil Engineering

Saeed Amanullah, Karachi, Pakistan
B.S. in C.E. '55, University of Karachi. Field of Concentration: Civil Engineering.

Anand Ganpatrao Pinjarkar, Amravati, India
B.E. '59, University of Nagpur. Field of Concentration: Civil Engineering.

Kalim Uddin Qidwai, Pakistan
B.S. in C.E. '50, Muslim University (India). Field of Concentration: Civil Engineering.

Bhupatrai Ratilal Shah, Bhavnagar, India
B.E.(Civil) '58, Gujarat University. Field of Concentration: Civil Engineering.

Natesa Chetty Veerappan, Panruti, India
B.E. (Highways) '52, B.E. (Civil) '57, Madras University. Field of Concentration: Civil Engineering.

Master of Science in Dentistry

Merrill Thomas Cina, La Crosse, Wis.
D.D.S. '56, Marquette University. Major:
Dentistry. Minor: Pathology. Thesis: A Study
of Odontogenic Tumors.

Master of Science in Dermatology

Soo Duk Lim, Seoul, Korea
M.D. '55, M.S. '58, Seoul National University.
Major: Dermatology. Minor: Bacteriology.
Thesis: Immuno-electrophoretic Serum Patterns
of Pemphigus and Pemphigoid.

Master of Science in Electrical Engineering

Milton Herbert Monnier, Sauk Rapids
B.S. with distinction '60, University of Minne-
sota. Major: Electrical Engineering. Minor:
Mathematics. Thesis: Externally-Induced Uni-
directionally-Magnetized Domains in Thin Ni-
Fe Films.

Rodger Edmund Ziemer, Amery, Wis.
B.S. with high distinction '60, University of
Minnesota. Major: Electrical Engineering.
Minor: Mathematics. Thesis: Polarized Ce-
ramic Transducer Calibration Employing a
Shock Tube.

Master of Science in Mechanical Engineering

Donald William Craik, Winnipeg,
Manitoba, Canada
B.Sc.(M.E.) '56, University of Manitoba.
Major: Mechanical Engineering. Minor: Mathe-
matics. Thesis: A Long Wavelength Compensating
Aspirated Pyrheliometer.

George Bruce Mattson, St. Louis Park
B.S. with distinction '60, University of Minne-
sota. Field of Concentration: Mechanical Engi-
neering.

Prabodh Trimbak Lele, Baroda, India
B.E. '58, University of Baroda (India). Major:
Mechanical Engineering. Minor: Mathematics.
Thesis: Dynamics of the Human Body on a
Seat Belt.

Master of Science in Medicine

Paul Edward Hermans, Rochester
M.D. '52, University of Utrecht. Major: Medi-
cine. Minor: Hematology. Thesis: Cyanogum-
Gel Electrophoresis of Proteins.

Master of Science in Mineral Engineering

Rashid Khodadad Irani, Bombay,
India

B.Sc. '55, University of Bombay; Graduate '58,
Indian School of Mines and Applied Geology
(Dhanbad). Field of Concentration: Mineral
Engineering.

Certificate of Specialist in Education

Donald Irven Pryor, Edina

B.S. '42, St. Cloud State College; M.A. '48,
University of Minnesota. Field: Educational
Administration.

Doctor of Philosophy

Victor Francis Amann, Minneapolis

B.S. '56, University of Minnesota. Major: Agri-
cultural Economics. Minor: Economics. Thesis:
An Analysis of the Role of Management in
Minnesota Farm Supply Cooperatives. Major
Adviser: Prof. E. F. Koller.

William Eugene Ames, Seattle, Wash.

B.S. '48, South Dakota State College of Agri-
culture & Mechanic Arts; M.S. '52, Iowa State
College. Major: History. Minor: Journalism.
Thesis: A History of the *National Intelligencer*,
1800-1869. Major Adviser: Prof. P. D. Jordan.

Leonall C. Andersen, Northfield

B.S. '49, Gustavus Adolphus College; M.S. '52,
University of Illinois. Major: Economics.
Minor: Business Administration. Thesis: A
Measurement and Comparison of the Incidence
of Monetary and Fiscal Measures on the Struc-
ture of Equilibrium Output and Price for Se-
lected Industries. Major Adviser: Prof. O. H.
Brownlee.

Arthur Donald Beattie, St. Cloud

B.S. '42, M.A. '49, University of Minnesota.
Major: Education. Minor: Economics. Thesis:
Relationships Between Information and Atti-
tudes of High School Pupils Toward Personal
Finance. Major Adviser: Prof. R. G. Price.

Emil Joseph Berger, St. Paul

B.E. '39, St. Cloud State College; M.A. '47,
Colorado State College of Education. Major:
Education. Minor: Mathematics. Thesis: An
Investigation of the Effectiveness of Televised
Presentations of Self-Contained Television-
Adapted Lessons on Enrichment Topics in
Mathematics. Major Adviser: Prof. D. A.
Johnson.

Oswald Paul Blaich, Miniota, Mani-
toba, Canada

B.S.A. '46, University of Manitoba; M.S. '55,
University of Minnesota. Major: Agricultural
Economics. Minor: Economics. Thesis: Verti-
cal Integration in Theory. Major Adviser: Prof.
E. W. Learn.

Kent Maurice Chapman, Edmonton,
Alberta, Canada

B.A. *cum laude* '49, M.S. '53, University of
Minnesota. Major: Biophysics. Thesis: Transfer
Characteristics of Stretch Receptors in the Left
Atrium of the Dog Heart. Major Adviser: Prof.
O. H. Schmitt.

Grace Po-Yuen Chiu, Hong Kong

B.S. '57, East Texas Baptist College. Major:
Analytical Chemistry. Minor: Physical Chem-
istry. Thesis: Analytical Applications of Light
Scattering To Silver Bromide Sols. Major Ad-
viser: Prof. E. J. Meehan.

John Barrington Kay Clark, Edinburgh, Scotland

B.Sc. '50, University of Edinburgh; M.S. '62, University of Minnesota. Major: Dairy Husbandry. Minors: Physiological Chemistry and Zoology. Thesis: The Isolation of Polyhydric Alcohols from Bovine Semen; Their Utilization, and Their Effects in Semen Extenders. Major Adviser: Prof. E. F. Graham.

Rene Cortazar, Temuco, Chile

Ing. Agr. '40, University of Chile; M.S. '43, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Inheritance of Stem Rust Reaction and Certain Other Characters in a Cross of Thatcher X II-53-521 and Several Other Wheat Crosses. Major Adviser: Prof. E. R. Ausemus.

Ronald Perrin Covey, Jr., Jamestown, N.Y.

B.S. '56, M.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: Field Resistance of Flax to Pasm. Major Adviser: Prof. R. D. Wilcoxon.

Anthony Stanley Walter de Freitas, Montreal, Quebec, Canada

B.Sc. '55, Macdonald College; M.Sc. '57, McGill University. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: The Preparation and Film-Forming Properties of Synthetic Glycerides. Major Adviser: Prof. W. O. Lundberg.

Brian Dickens, Manchester, England

Graduate '58, Royal Tech. College at Salford; M.S. '60, University of Minnesota. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: Molecular Structures of Cyclo-octatetraene Complexes. Major Advisers: Profs. W. N. Lipscomb and R. S. Livingston.

William Richard Dukelow, Grand Rapids

B.S. '57, M.S. '58, University of Minnesota. Major: Dairy Husbandry. Minor: Zoology. Thesis: A Study of Factors Relating to the Freezing Characteristics of Porcine Semen. Major Adviser: Prof. E. F. Graham.

Gerald Lawrence Erickson, St. Paul

Ph.B. '53, University of North Dakota; M.A. '55, University of Minnesota. Major: Educational Psychology. Minor: Industrial Engineering. Thesis: Junior High School Pupil's Attitude Toward Mathematics as a Predictor of Senior High School Scholastic Achievement. Major Adviser: Prof. C. J. Hoyt.

Cecilio Eugenio Gracias, Macau, Portugal

Ch.E. '54, M.Ch.E. '57, Instituto Superior Técnico (Portugal). Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Acid-base Studies in Methyl Isobutyl Ketone. Major Adviser: Prof. I. M. Kolthoff.

Donald A. Hansen, Minneapolis

B.A. '55, M.A. '58, University of Minnesota. Major: Sociology. Minor: Journalism. Thesis: The Impact of Middle-Class Delinquency on the Family: An Exploratory Study. Major Adviser: Prof. R. C. Francis.

Monty DeVerl Harrison, Afton, Wyo.

B.S. with honor '57, M.S. '58, University of Wyoming. Major: Plant Pathology. Minor: Entomology. Thesis: Studies on Potato Russet Scab. Major Adviser: Prof. C. J. Eide.

Charles Edward Hawkins, Honolulu, Hawaii

B.A. '53, University of Hawaii; M.A. '56, University of Nevada. Major: Psychology. Minor: Educational Psychology. Thesis: A Study of Factors Mediating A Relationship Between Leader Rating Behavior and Group Productivity. Major Adviser: Prof. Benjamin Willerman.

Robert Adolph Hoffman, Winona

B.S. *summa cum laude* '56, St. Mary's College (Minn.); M.S. '60, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Experimental Observations of the Earth's Trapped Radiation During August and September, 1959. Major Adviser: Prof. J. R. Winckler.

Yun Seong Jeon, Seoul, Korea

D.V.M. '51, Seoul National University; M.S. '59, University of Minnesota. Major: Veterinary Bacteriology. Minor: Agricultural Biochemistry. Thesis: Modified Complement Fixation Test of Avian Infectious Bronchitis Virus. Major Adviser: Prof. B. S. Pomeroy.

Donald Curtis Johnson, St. Paul

B.S. *cum laude* '57, Hamline University. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: Syntheses and Reactions of Vinylindoles. Major Adviser: Prof. W. E. Noland.

Alan John Kenyon, Eau Claire, Wis.

B.S. with distinction '54, D.V.M. '57, University of Minnesota. Major: Veterinary Bacteriology. Minor: Agricultural Biochemistry. Thesis: The Isolation and Characterization of a 12S Brucella-Agglutinin from Bovine Milk. Major Adviser: Prof. B. S. Pomeroy.

Marcus Olaf Kjelsberg, Mayville, N.D.
B.A. '52, Concordia College; M.A. '55, University of Minnesota. Major: Biostatistics. Minor: Mathematics. Thesis: Estimation of the Parameters of the Logistic Distribution Under Truncation and Censoring. Major Advisers: Profs. E. A. Johnson and B. W. Brown, Jr.

Robert Francis Lee, Lake Charles, La.
B.A. '43, M.A. '53, Vanderbilt University. Major: English. Minor: History. Thesis: Conrad's Colonialism. Major Adviser: Prof. Allen Tate.

Shao-chung Lee, China
B.S. in Eng. '54, National Taiwan University; M.S. '56, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Blast Waves From Spatially Concentrated Energy Releases. Major Adviser: Prof. R. F. Lambert.

Daniel Davy Merrill, South Bend, Ind.
B.A. *cum laude* '54, Princeton University; M.A. '58, University of Minnesota. Major: Philosophy. Minor: Mathematics. Thesis: The Theory of Logical Constants. Major Adviser: Prof. Herbert Feigl.

Elwood Olaf Nestvold, Laramie, Wyo.
B.A. *summa cum laude* '52, Augsburg College; M.S. '59, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: The Coherence of Light. Major Adviser: Prof. E. L. Hill.

William Arthur Olson, Minneapolis
B.S. '54, M.S. '60, University of Minnesota. Major: Dairy Husbandry. Minor: Physiological Chemistry. Thesis: Factors Influencing the Utilization of Lipid Materials by the Dairy Calf. Major Adviser: Prof. J. B. Williams.

Venkateswarlu Pothapragada,
Visakhapatnam, India
B.Sc. '45, M.Sc. '48, D.Sc. '55, Andhra University. Major: Physiological Chemistry. Minor: Microbiology. Thesis: Studies on Fluoride Metabolism and Transport. Major Adviser: Dr. W. D. Armstrong.

John Hamelin Powers, St. Paul
B.A. '47, College of St. Thomas; M.A. '50, University of Minnesota. Major: Psychology. Minor: Psychiatry. Thesis: Personality Correlates of Three Fine Motor Tasks. Major Adviser: Prof. William Schofield.

Neville William Reay, Rochester, N.Y.
B.A. '57, Occidental College. Major: Physics. Minor: Mathematics. Thesis: A Search for Gamma Rays Resulting from Proton Capture in and above the Energy Region of the Photoneuclear Giant Resonance. Major Adviser: Prof. N. M. Hintz.

Dorothy Eileen Rundorff, Minneapolis
B.S. '24, University of Wisconsin; M.A. '50, University of Minnesota. Major: Spanish. Minor: French. Thesis: D. Juan Valera and Currents of Nineteenth Century Thought Reflected in *Las ilusiones del doctor Faustino*. Major Adviser: Prof. W. T. Pattison.

Robert Vincent St. Louis, North
Hollywood, Calif.
B.S. '54, University of California (Los Angeles). Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: Infrared Spectroscopic Studies of the Nitrogen Oxides and Oxygen at Low Temperatures. Major Adviser: Prof. Bryce Crawford, Jr.

James Schwinden, Forest Lake
B.S. '52, M.A. '62, University of Minnesota. Major: Economics. Minor: Political Science. Thesis: Real Property Assessment—Policy and Practice in Minnesota. Major Adviser: Prof. F. M. Boddy.

Ved Prakash Sharma, New Delhi,
India
B.A. '47, Lahore Government College (Pakistan); M.A. '49, Punjab University. Major: Philosophy. Minor: Art History. Thesis: An Enquiry into the Nature of Aesthetic Form with Special Reference to Literature and Painting. Major Adviser: Prof. R. G. Ross.

Robert Vance Shuff, Toledo, Ohio
B.Ed. '45, University of Toledo; M.Ed. '53, State College of Washington. Major: Education. Minor: Sociology. Thesis: A Comparative Study of Achievement in Mathematics at the 7th and 8th Grade Levels Under Two Approaches—School Mathematics Study Group and Traditional. Major Adviser: Prof. O. E. Domian.

Harold Alexander Simon, Johannes-
burg, South Africa
B.Sc. '49, M.Sc. '59, University of the Witwatersrand (Johannesburg). Major: Mechanical Engineering. Minor: Mathematics. Thesis: An Interferometric Investigation of Laminar Free Convection in Carbon Dioxide Near Its Critical Point. Major Adviser: Prof. E. R. G. Eckert.

Jessop Clair Theurer, Providence,
Utah

B.S. '53, M.S. '57, Utah State University.
Major: Plant Genetics. Minor: Plant Pathology.
Thesis: The Comparative Performance of Diallel Crosses of Alfalfa and Their Related Second Generation Synthetics. Major Adviser: Prof. W. M. Myers.

Angel Manuel Vazquez, Cordoba,
Argentina

Graduate '42, University of Cordoba; M.A. '55, University of Minnesota. Major: Spanish. Minor: French. Thesis: La Verdad Sicologica en Eduardo Barrios. Major Adviser: Prof. W. T. Pattison.

Robert Charles Voight, Waupun,
Wis.

B.S. '47, Wisconsin State College (Oshkosh); M.A. '47, Colorado State College of Education. Major: History. Minor: Political Science. Thesis: Defender of the Common Law: Aaron Goodrich, Chief Justice of Minnesota Territory. Major Adviser: Prof. P. D. Jordan.

Wesley W. Wenrich, Lebanon, Pa.

B.A. '54, University of Michigan; M.A. '56, Michigan State University. Major: Psychology. Minor: Educational Psychology. Thesis: The Tact Relation: An Experiment in Verbal Behavior. Major Adviser: Prof. Kenneth McCorquodale.

Emmet David Williams, St. Paul

B.S. with high distinction '48, M.A. '50, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: Comparative Study of MSG and Traditional Mathematics. Major Adviser: Prof. O. E. Domian.

Louis Frederick Wilson, St. Paul

B.S. '55, M.S. '57, Marquette University. Major: Entomology. Minor: Botany. Thesis: Host and Location Preference for Oviposition by the Spruce Budworm, *Choristoneura fumiferana* (Clem.), (Lepidoptera: Tortricidae). Major Adviser: Prof. A. C. Hodson.

Max Sidones Wortman, Jr., Davenport, Iowa

B.S.C.E. '56, Iowa State University (Ames). Major: Business Administration. Minor: Psychology. Thesis: Some Influences of Membership in Employer Bargaining Associations upon Manpower Management Functions in Industrial Organizations in a Local Labor Market. Major Adviser: Prof. H. G. Heneman, Jr.

George Mitsuyoshi Yamane, Honolulu,
Hawaii

B.A. '46, Haverford College; D.D.S. '50, University of Minnesota. Major: Oral Pathology. Minors: Physiological Chemistry and Anatomy. Thesis: The Effects of Subminimal Amounts of Magnesium on the Syrian Hamster. Major Adviser: Dr. J. R. Dawson, Jr.

Doctor of Philosophy in Neurosurgery

Robert Joseph White, Cleveland,
Ohio

B.S. '51, University of Minnesota; M.D. '53, Harvard University. Major: Neurosurgery. Minor: Pathology. Thesis: The Operative Method and Physiological Consequences of Total Hemispherectomy in the Monkey (*Macaca Mulatta*). Major Adviser: Dr. C. S. MacCarty.

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 near the upper part of 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 Extension Division	orange and drab
General College	crimson and white
College of Science, Literature, and the 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 insignia may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.

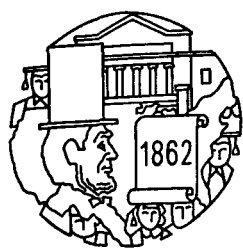


UNIVERSITY OF MINNESOTA

Senior Reception

March, 1962

- The members of the graduating class, their families and friends, are invited to attend the Senior Reception immediately after the commencement exercises. The Reception will be held in the Main Ballroom of Coffman Memorial Union.
- Those in the receiving line will be President and Mrs. Wilson, Mr. Ronald Moe, President of the Coffman Union Board of Governors, and Mr. Thomas F. Olson, President of the Minnesota Student Association.
- Assisting in the Reception are members of the Union Board of Governors and its committees, and of the following honorary societies: Chimes, Grey Friars, Iron Wedge, Mortar Board, Phoenix, and Silver Spur.
- Punch will be served. Members of the Union Board of Governors and of the honorary societies listed above will preside at the punch tables.



1862 • CENTENNIAL • 1962
OF THE LAND-GRANT ACT

June Commencement, 1962

University of Minnesota

7:30 P.M., JUNE 9
MEMORIAL STADIUM



University of Minnesota

THE BOARD OF REGENTS

Dr. O. Meredith Wilson, President

Mr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

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 Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable Bjarne E. Grottum, Jackson

The Honorable Robert E. Hess, White Bear Lake

The Honorable Fred J. Hughes, St. Cloud

The Honorable A. I. Johnson, Benson

The Honorable Lester A. Malkerson, Minneapolis

The Honorable A. J. Olson, Renville

The Honorable Otto A. Silha, Minneapolis

The Honorable Herman F. Skyberg, Fisher

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 eleventh birthday. During this academic year, it has joined with Land-Grant colleges and state universities throughout the nation in observing the centennial of the Land-Grant Act which created educational opportunities for all citizens and which embodied the concept that the welfare of the nation is dependent on the advancement of learning.

As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the youth of today, the citizens of tomorrow. Each year, physicians, lawyers, engineers, social workers, educators, journalists, dentists, veterinarians, farmers, businessmen—community and civic leaders in all fields—go from its several campuses to participate actively in the upgrading of the welfare of the citizens of our state. During the period of its existence the University has awarded more than 159,000 degrees to its students who have completed the rigorous training demanded by the complexities of modern society.

In addition to giving collegiate instruction to more than 30,000 students on its Minneapolis, St. Paul, Duluth, and Morris 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. Still in addition, its staff members who are county agents, home agents, 4-H Club agents, and recreation and health consultants give effective assistance to citizens of the state in their very homes.

In the diverse research laboratories on the University's four 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 Mayo Foundation at Rochester, 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 deal with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and new varieties of grains, fruits, and flowers, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the University Artists Course, Radio Station KUOM, the University Theater, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings to more than a million and a half people in the area it serves, artists and lecturers of quality and talent.

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, living 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. Contributions have made it possible to build 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 thoughtful cooperation has made hundreds of scholarships and fellowships available each year to students of promise. Chiefly because of financial difficulties, only one-half of the Minnesota high school graduates of high ability enter any college or university. Because of this, the friends and supporters of the University are constantly trying to increase the number of scholarships and the amount of money available for such assistance.

Over recent years, much of the University's energy has gone into the necessary planning for the anticipated increases in future enrollments. At present about half of the students in Minnesota colleges and universities attend the University of Minnesota. If the other institutions continue to take this same percentage of these students, not less than 47,000 full-time, fully matriculated students will be attending the University in 1970. This means more teachers, more civil service staff members, more land, and more buildings.

THE 1959 LEGISLATURE granted the University \$49,068,181 for general maintenance during the 1961-63 biennium. In addition, the University received \$6,938,423 for University Hospitals; \$4,432,496 for special appropriations, including special extension and research activities; and \$7,789,351 (\$288,451 now available) for new buildings, land, and for the rehabilitation of existing buildings.

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 1960-61 showed that the University received \$99,915,127.70 and spent \$99,915,799.55 including \$7,071,288.38 paid for the construction and remodeling of buildings and the purchase of land. Of the total received, \$17,296,674.64 came from student tuition and fees, hospital and other department receipts; \$1,642,152.76 from intercollegiate athletics, \$16,187,501.59 from such services as dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, the University Theater, and the Health Service, and from revolving funds; and \$22,781,979.60 from trust funds, including gifts, grants, donations, and income from endowments and research contracts for instruction, research, prizes, scholarships, and the care of the sick. Also \$4,301,271.13 came from federal appropriations for instruction, research, Agricultural Extension, and plant expansion. The state provided \$30,468,443.07, or 35.0% for the University's total operating costs.

All students at the University, their families and friends are invited to continue their enthusiasm and interest in the University of Minnesota. Graduates are especially urged to identify themselves with the Minnesota Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

LAND-GRANT CENTENNIAL PROCLAMATION ISSUED BY THE PRESIDENT OF THE UNITED STATES

August 25, 1961

“WHEREAS July 2, 1962, marks the centennial of the first Morrill Act, approved by President Abraham Lincoln, granting public lands to States and territories in support of colleges to promote ‘liberal and practical education . . . in the several pursuits and professions in life’; and

“WHEREAS the Act opened the doors of colleges and universities to all with the ability and will to learn, irrespective of heredity, occupation, or economic status; and

“WHEREAS the land-grant institutions in the fifty States and the Commonwealth of Puerto Rico carry research and teaching to the citizens of these States and the Commonwealth and to people of other nations, particularly the emerging nations, seeking solutions to economic, social, and physical ills, and enriching the cultural life of the people; and

“WHEREAS the land-grant system of higher education is the Nation’s largest single source of trained and educated manpower and now contributes more than one-half of the Nation’s trained scientists and nearly one-half of all Regular and Reserve officers entering the armed forces through the military programs conducted at civilian institutions; and

“WHEREAS these institutions have historically maintained and currently maintain close cooperative relationships with the United States Department of Agriculture, which marks the centennial of its establishment on May 15, 1962, and also maintain close working relationships with other departments and agencies of the Government, including the Departments of Defense, the Interior, Commerce, Labor, and Health, Education, and Welfare, the United States Information Agency, and the International Cooperation Administration; and

“WHEREAS the Congress, by a joint resolution approved August 25, 1961, has requested the President to issue a proclamation recognizing the centennial of the establishment of the land-grant system of universities and colleges;

“NOW, THEREFORE, I, John F. Kennedy, President of the United States of America, do hereby proclaim that it is fitting and proper to commemorate the centennial of this historic Act of Congress; and I request that the agencies of the Government cooperate with the land-grant universities and colleges throughout the academic year 1961-1962 in recognizing the historical and present close cooperative relationship of such institutions with the departments and establishments of the Government.

“I also request that such centennial be otherwise appropriately celebrated to the end that the occasion may serve to commemorate the unparalleled opportunities for higher education provided by these publicly supported institutions and their efforts through teaching, research, and service to improve the

economic, social, and cultural lives of the people of this Nation and of other nations.

“IN WITNESS WHEREOF, I have hereunto set my hand and caused the Seal of the United States of America to be affixed.”

★ ★ ★

THE LEGISLATURE OF THE STATE OF MINNESOTA passed a Land-Grant resolution in April, 1961, stating that the Centennial of the Land-Grant Act, providing grants of land to be set aside by each state for the support of public state colleges and universities devoted to the education of the common man, be observed and commemorated and that recognition be given by the people of the state to the Land-Grant Act as a cornerstone of American higher education.

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 Mr. Daniel Chorzempa, SLA '64, University Carillonneur. No seats for the Commencement Exercises in Memorial Stadium are reserved. 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 Assistant Professor Frank Bencriscutto, D.M.A., Bandmaster, will play:

<i>El Capitan</i>	John Philips Sousa
<i>Folksong Suite</i>	Ralph Vaughn Williams
<i>In Dulce Jubilo</i>	J. S. Bach
<i>Russian Easter</i>	Rimsky-Korsakov

PROCESSION: At 7:30 p.m. the procession will enter the Stadium, led by the Mace Bearer, Professor Robert J. Keller, Ph.D., College of Education, Faculty Marshal. 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 and Tactics; Department of Naval Science; Department of Air Science; General Extension Division; General College; College of Science, Literature, and the Arts; University College; 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 will be Professor Keller; Professor Arnold M. Rose, Ph.D., College of Science, Literature, and the Arts; Professor Irvin E. Liener, Ph.D., Institute of Agriculture; Professor Wendell L. Bartholdi, Ph.D., School of Dentistry. During the procession the Bands will play:

<i>Academic Procession</i>	Clifton Williams
----------------------------------	------------------

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

* In the event of rain, Commencement Exercises will be held in the basketball section of Williams Arena. Because of the limited number of seats available, only the members of the graduating class and a limited number of their guests who have been issued special guest cards will be admitted. Only insofar as the physical facilities of Williams Arena permit, will the Order of Events planned for the Stadium be carried out in the Arena.

Order of Events

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

Oh, say can you see, by the dawn's early light,
What so proudly we hailed at the twilight's last gleaming,
Whose broad stripes and bright stars, thro' the perilous fight,
O'er the ramparts we watched, were so gallantly streaming?
And the rocket's red glare, the bombs bursting in air,
Gave proof thro' the night that our flag was still there.
Oh, 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 Oviatt Desmond, Adviser to Congregational students and staff members on the Minneapolis Campus of the University.

SPEAKING FOR THE UNIVERSITY: President O. Meredith Wilson, Ph.D., University of Minnesota.

PRESENTATION OF THE TWO MILLIONTH VOLUME TO THE UNIVERSITY LIBRARY: Vice President Malcolm M. Willey, Ph.D., Academic Administration, will introduce Mr. Charles H. Bell, who will present the two millionth volume to Professor Edward B. Stanford, Ph.D., Director of Libraries.

CONFERRING OF ROTC CERTIFICATES: Vice President Willey will introduce Lt. Colonel Robert J. Elliott, USA, Professor of Military Science; Captain Cary H. Hall, USN, Professor of Naval Science; and Major Frederick D. Stockdale, USAF, Professor of Air Science, who will present the candidates for commissions in their respective branches of the Armed Services. The certificates of ROTC completion will be presented by President Wilson.

CONFERRING OF DEGREES: Vice President Willey 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: Professor William C. Rogers, Ph.D., General Extension Division; Dean Horace T. Morse, Ph.D., General College; Dean Errett W. McDiarmid, Ph.D., College of Science, Literature, and the Arts; Associate Dean J. William Buchta, Ph.D., University College; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Dean Harold Macy, Ph.D., Institute of Agriculture; Dean Walter W. Cook, Ph.D., College of Education; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Dean George F. Hager, 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; Dean William H. Crawford, D.D.S., School of Dentistry; Dean Robert B. Howard, M.D., College of Medical Sciences; Dean Bryce Crawford, Jr., Ph.D., Graduate School.

Order of Events

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Professor Edwin L. Haislet, Ed.D., Executive Secretary of the Minnesota Alumni Association and Director of the Department of Alumni Relations.

PRESENTATION OF DIPLOMAS: With Dean of Students Edmund G. Williamson, Ph.D., presiding, all members of the June graduating class will move to the stage to receive their diplomas. Assisting the deans of the several colleges or their representatives in the presentation of diplomas are Associate Professor Robert C. Slater, B.S., General Extension Division; Associate Professor Norman W. Moen, Ph.D., General College; Assistant Dean Roger B. Page, Ph.D., College of Science, Literature, and the Arts; Associate Professor Warren B. Cheston, Ph.D., Institute of Technology; Assistant Dean Keith N. McFarland, Ph.D., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Associate Dean Marcia Edwards, Ph.D., College of Education; Professor John A. Buttrick, Ph.D., School of Business Administration; Professor Frank E. DiGangi, Ph.D., College of Pharmacy; Professor Yale J. Kamisar, LL.B., Law School; Assistant Dean Ralph L. Kitchell, D.V.M., College of Veterinary Medicine; Assistant Dean Mellor R. Holland, D.D.S., School of Dentistry; Assistant Dean N L Gault, Jr., M.D., College of Medical Sciences; Associate Dean Francis M. Boddy, Ph.D., Graduate School.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Dean Bryce Crawford to President Wilson, who will confer the degrees.

CONFERRING OF HONORARY DEGREES: The Honorable Charles W. Mayo, Chairman of the Board of Regents, will present President Emeritus James Lewis Morrill to President Wilson for the University's honorary degree, Doctor of Laws.

JAMES LEWIS MORRILL

JAMES Lewis Morrill laid the foundations for his distinguished educational accomplishments by studying Latin and Greek at the Ohio State University. "He was a newspaper man once himself," but after six years returned to his alma mater to start a career that thereafter never took him away from a college campus until his retirement as President of the University of Minnesota in 1960. At the Ohio State University he was a teacher and administrator; later he became President of the University of Wyoming; and then, to the good fortune of this state, he came to Minnesota. His years at the University of Minnesota were characterized by inspiring leadership, eloquent exposition of the meaning of higher education in the well-being and progress of the state and the nation; intransigent defense of the Land-Grant principles; and profound faith that through consultation the

Order of Events

ongoing university is strengthened. His vision and aspirations, so effective on the campus, now range across the international scene, for he is Director of the Ford Foundation's overseas development program in Latin America and the Caribbean.

FOR your services to higher education; because of your loyalty and devotion to the University of Minnesota; because you symbolize the meaning and significance of the Land-Grant tradition; because of the respect and affection associated with your name on this campus; and because you are a wise and honored colleague and a good friend, the Regents of the University of Minnesota, upon recommendation of the faculties, confer upon you, James Lewis Morrill, the degree Doctor of Laws, *honoris causa*.

Vice President Willey will present Dr. Laurence McKinley Gould to President Wilson for the University's honorary degree, Doctor of Laws.

LAURENCE MCKINLEY GOULD

EVEN though he is an outstanding scientist, explorer and educator—entitled thereby to all the formalities and manifestations of dignity associated with prestigious achievement—no one who knows him would dream of referring to Laurence McKinley Gould as other than "Larry." Therein lies the special character of this remarkable man, for above all else he is a most human and understanding person who possesses the unique ability to induce others quite spontaneously to manifest their highest potential in character, in loyalty, in effort. That is why he has been an exemplary teacher; why he could inspire the confidence that made him the natural leader and second in command of the First Byrd Expedition to Antarctica in 1928-1930; and why, after a brilliant career in the classroom at Carleton College, he was the unquestioned choice when a new president had to be chosen in 1954. And these are the same qualities that have carried his influence far beyond the confines of a campus, and made his name known and respected in his own country and throughout the world as well.

BECAUSE you are a scientist of distinction; because your knowledge of Antarctica has contributed fundamentally in the further exploration of the unknown in geology; because you have translated your personal devotion to scholarship into effective academic administration; and most of all because you are what you are—"Larry"—the Regents of the University of Minnesota confer upon you, Laurence McKinley Gould, the degree Doctor of Laws, *honoris causa*.

Order of Events

Dean Crawford will present Mr. Robert Rowe Gilruth to President Wilson for the University's honorary degree, Doctor of Science.

ROBERT ROWE GILRUTH

ALMOST three decades ago, Robert Rowe Gilruth, who was born in this state, received from the University of Minnesota his degrees as Bachelor of Science in Aeronautical Engineering and Master of Science. With this training as the foundation, he began a notable career in aeronautical and space research. He has coupled with his scientific competence a remarkable capacity as an administrator. By his direction of Project Mercury of the National Aeronautics and Space Administration, he has contributed to our eminence as a nation in the exploration of outer space. Wonderful it is that a man so down to earth could be a major influence in the flights of other men around our spinning globe and far out into the unknown space beyond.

FOR your contributions to our mastery of space; because you symbolize the pioneering spirit and determination that have enabled men always to enlarge the dimensions of the world in which they live; because you are a native son of Minnesota whose brilliant achievements have brought distinction to this University, this State, and this Nation; the Regents of the University of Minnesota, upon recommendation of the faculties, confer upon you, Robert Rowe Gilruth, the degree Doctor of Science, *honoris causa*.

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

Minnesota, hail to thee!
Hail to thee, our college dear!
Thy light shall ever be
A beacon bright and clear;
Thy sons and daughters true
Will proclaim thee near and far;
They will guard thy fame
And adore thy name;
Thou shalt be their Northern Star.

Like the stream that bends to sea,
Like the pine that seeks the blue,
Minnesota, still for thee
Thy sons are strong and true;
From thy woods and waters fair,
From thy prairies waving far,
At thy call they throng
With their shout and song,
Hailing thee their Northern Star.

AULD LANG SYNE: The Frances Miller Brown Memorial Bells.

(There will be no Recessional)

Candidates for Commissions

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

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Adjutant General Corps

Paul D. Johnson, Minneapolis
William A. Meyer, St. Paul

Martin S. Polterock, St. Louis Park
Carl P. Wolander, Minneapolis

Second Lieutenant, Armor

Emery C. Stenquist, Jr., Minneapolis

Second Lieutenant, Army Intelligence Corps

John R. Burt, Minneapolis
James E. Hundley, St. Paul

Willard S. Kramer, Minneapolis

Second Lieutenant, Army Security Agency

William C. Bechtold, Minneapolis

Stephen L. Gryskiewicz, St. Paul

Second Lieutenant, Artillery

James G. Burr, Minneapolis
Douglas M. Englund, Minneapolis
Ellsworth C. Grev, Minneapolis

Tom M. Stark, Excelsior
Edward M. Thomas, Minneapolis
Jerald S. Warren, St. Louis Park

Second Lieutenant, Infantry

Sigurd W. Anderson, Wayzata

Second Lieutenant, Medical Service Corps

Thomas C. Canfield, Minneapolis
David C. Hamilton, Santa Monica,
Calif.

Donald D. Helin, Minneapolis

Second Lieutenant, Ordnance Corps

David C. Cordes, St. Paul
Karl S. Cropsey, South St. Paul
Harris I. Darling, Worthington

Roger M. Nelson, Minneapolis
Edward A. Nierengarten, Jr., New Ulm
Jan A. Nosker, Minneapolis

Second Lieutenant, Quartermaster Corps

Glenn Bruce Johnson, Moorhead
Richard G. Kohnen, Minneapolis
Douglas W. Larson, Alexandria

Michael C. Roach, St. Paul
Stephen White, Ferguson, Mo.

Second Lieutenant, Signal Corps

Douglas C. Mohl, Minneapolis

Thomas A. Ries, Sleepy Eye

Second Lieutenant, Transportation Corps

Richard A. Arndt, Minneapolis
John H. Foucault, Hibbing

Leslie L. Kumpula, Minneapolis

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Alan A. Anderson, South St. Paul
William G. Hill, Ely
John Paul A. Johnson, Roseau
Richard J. Kraus, Sheboygan, Wis.

Donald R. Mathiowetz, New Ulm
Michael L. Walman, St. Louis Park
James W. Weiske, Brainerd
Lowell K. Williams, Austin

Ensign, USNR

Joseph W. Bushard, Minneapolis

Gilbert C. Zimmerman, Minneapolis

Ensign, CEC, USN

Arthur W. Smith, Pine City

Ensign, CEC, USNR

Gerhard Benz, St. Paul

William F. Raleigh, St. Paul

Ensign, SC, USN

Gordon J. Bentson, Montevideo
Roger A. Kylo, McCanna, N.D.
Boyd D. Obermeyer, Aberdeen, S.D.

Terry A. Rhodes, Boise, Idaho
Jeffrey P. Szalapski, St. Paul

Ensign, SC, USNR

William J. Kopp, Minneapolis

Second Lieutenant, USMC

John O. Enockson, Excelsior

Eugene J. Rouleau, Stillwater

DEPARTMENT OF AIR SCIENCE

Second Lieutenant, USAF Reserve

Eugene L. Anderson, Rush City
Craig C. Austin, Savage
Robert L. Bussell, Minneapolis
Richard E. Buys, West St. Paul
David R. Carlson, Minneapolis
David E. Christensen, Garvin
Marshall A. Cohen, Duluth
John V. Gable, Minneapolis
Dennis J. Golden, Minneapolis
Sigwulf Hermann, West St. Paul

Lyle M. Holin, Minneapolis
Rodney W. Luetke, Minneapolis
Charles L. Mahaney, Jr., St. Paul
Robert A. Peeples, Fairmont
Lyle D. Skandel, Minneapolis
James R. Spensley, Minneapolis
Donald G. Tock, Minneapolis
James B. Wells, Minneapolis
Francis W. Wentz, Houston

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

Business Administration Certificate

Jack Leslie Bernier, South St. Paul
Ronald Francis Brandon, Minneapolis
Francis Earl Dunn, Minneapolis
Alfred Louis Engelbrecht, Minneapolis

Clarence John Fenner, St. Paul
Edmund Joseph Hall, Jr., Minneapolis
Maurice Dean Stram, Minneapolis
Katherine Marie Wiking, Cloquet

Engineering Science Certificate

Dennis Edward Benson, South St. Paul

General Engineering Certificate

Clifford Franklin Ash, Minneapolis
Bernard Francis Bickman, Minneapolis
Alfred Christian Jensen, Minneapolis

Eugene Duaine Lundquist, Minneapolis
Harry Adelbert Lyon, Jr., St. Paul
Marvin LeRoy Witte, St. Paul

Associate in Mortuary Science

Dennis Wayne Boom, Valley City, N.D.
William Arnold Borchardt, Hortonville, Wis.
Alvin Edward Bremer, Bemidji
Dennis Gary Catron, Camp Crook, S.D.
Larry James Clark, B.A., Chariton, Iowa
Duane Raymond Cook, International Falls
Gary Matthew Cummins, Wilmot, S.D.
Robert Lee De Marce, Lake City
Brian Theodore DePierre, St. Paul
Elden Eugene Egesdal, Elmore
Charles Raymond Eichacker, Salem, S.D.
Lawrence N. Enger, Minneapolis
David Lee Ewen, Grand Rapids
O. J. Fawcett, B.B.A., Winona
Wayne Stanley Frank, Eagle Grove, Iowa
Ronald Ervin Fredrick, Holyoke
Timothy Joseph Gleason, Minneapolis
Robert Chester Haggberg, Fairfax
Roger Edward Helgeson, Roseau
Isaac Samuel Johnson, Columbia, S.C.
Peter Joseph Kozlak II, Minneapolis

David James Kramer, Dyersville, Iowa
Norman S. Larsen, Roseau
Melvin Dean Larson, Minneapolis
Robert Henry Medaris, Minneapolis
John Gordon Nevers, B.S., Minneapolis
John M. Patton, A.A., B.A., Waseca
Kenneth Francis Paul, Eden Valley
Don Gale Paulson, Red Wing
David George Peterson, Coleraine
Gary Clifford Peterson, Minneapolis
Douglas Jan Pitt, Monticello
James Donald Postlewaite, St. Paul
Wayne William Prosch, B.A., Lake Benton
Lloyd William Rill, B.B.A., Lake City
Thomas Matthew Sanger, Mankato
Byron Dean Simonson, Newman Grove, Neb.
Daryl Lyn Sittig, Kewanee, Ill.
Roger Lee Sorum, Northrop
Robert Edward Stein, Duluth
Hugo Gilbert Strike, Jr., Isanti
John Raymond Swedberg, Jr., Webster, Wis.
Lawrence H. Volland, Jr., Milford, Neb.
Stephen White, Ferguson, Mo.

GENERAL COLLEGE

Associate in Arts

- David Lowell Aanes, St. Paul
Martin Henry Abelovitz, St. Paul
Gary Clark Abrahamson, St. Paul
Robert John Adelman, Robbinsdale
Thomas Gregory Ahmann, Minneapolis
Robert Stanley Aronson, St. Louis Park
Jerome Kenneth Beckman, Minneapolis
Paul Franklin Beckstrom, Roseville
Ronald Willard Berfelz, St. Paul
Antoinette R. Bidwell, Minneapolis
William Lambert Birch, Minneapolis
John Andrew Bloomquist, Minneapolis
Carmal Nicholas Bongiovanni, St. Paul
Richard Earl Borst, Minneapolis
James Elliott Broude, Minneapolis
Gerald Roger Brustman, St. Paul
Michael Kelly Budd, Maple Plain
Douglas Harold Butler, Minneapolis
Gary Frederic Campbell, St. Paul
William Jon Carter, Elmhurst, Ill.
Robert John Casselman, Star Prairie, Wis.
John Patrick Cavanaugh, Minneapolis
Gari King Chmel, Minneapolis
Thayer J. Christensen, Minneapolis
Richard Dennis Christiansen, Richfield
William Joseph Cregan, Jr., Minneapolis
Scott Douglas Crist, Minneapolis
James Allen Dickinson, Minneapolis
Gerald Leonard Dilley, Minneapolis
James Frank Dols, Minneapolis
John Gerard Doom, Ghent
Phyllis Kay Dorgan, St. Paul
James Halvor Dregson, Granite Falls
Thomas Dufresne, St. Paul
Margaret Jane Elias, Minneapolis
Vincent Gerald Ella, Minneapolis
Allen Richard Eng, Minneapolis
Anita Lynn Engstrom, Mound
Thomas Steel Eppeland, Minneapolis
LeRoy Clifford Erickson, Minneapolis
John Alfred Ernst, St. Paul
Raymond Willard Evans, Osseo
Robert Fred Fischer, Jr., West St. Paul
Nancy Elizabeth Foerster, St. Paul
Bruce King Forsyth, Minneapolis
Lanning Matthew Gabatino, Minneapolis
Robert Millard Gibson, Columbia Heights
Harvey MacArthur Gilman, Minneapolis
Sue Ann Gmeinder, St. Paul
Marie Harriet Goldenberg, St. Louis Park
Jeffrey Michael Goldish, St. Paul
Matthew David Gonsoski, St. Paul
Michael Dee Griswold, St. Paul
Anthony William Hable, West St. Paul
David Robert Hall, Minneapolis
Kathryn Elizabeth Henderson, Minneapolis
Wayne Thomas Henderson, Minneapolis
Joel Reid Herman, Chicago, Ill.
Gregg Curtis Hildebrandt, Rosemount
Robert Joseph Hlavac, Lonsdale
Marjorie Carol Hoffmann, Minneapolis
Margaret Ann Hogan, St. Paul
Martha Maitland Holbert, St. Paul
Brian Nicol Johnson, Winnipeg, Manitoba, Canada
Nancy Jane Johnson, St. Paul
Richard LeRoy Johnson, Minneapolis
Theodore Frederick Jusell, Minneapolis
Harold Leroy Kaltenhauser, Bloomington
Gary John Kanne, Shakopee
Dean Martin Keller, Minneapolis
John David Kelson, Minneapolis
Robert Willard Kesler, Edina
Ann Patricia Kirgis, Denver, Colo.
John Thomas Kitchar, Minneapolis
Sandra Elaine Klein, Richfield
Dale Gordon Koehler, Minneapolis
Roger Allen Kohner, Minneapolis

William Robert Kolcsar, Minneapolis
 Georgianna Louise Krantz, Minneapolis
 Ronald Thomas Krepis, Minneapolis
 Bruce John Kuettner, St. Paul
 Gary Paul Lacher, St. Paul
 Bethalee Jean Larsen, Annandale
 Charlotte Ann Larson, St. Paul
 Jo Ann Laudon, Kasson
 Larry Allan Lawson, Excelsior
 William Larry Lee, Thief River Falls
 Phyllis Lee Lehman, Minneapolis
 Ronald Laurence Lehman, St. Louis
 Park
 Roger Warren Leppla, St. Paul
 David Michael Levi, Minneapolis
 Dennis James LeVoir, Minneapolis
 John Arthur Littfin, Winsted
 Larry Clyde Liveringhouse, Minneapolis
 Allen Laurence Ludvigson, Minneapolis
 Colleen Marie Mahon, St. Paul
 David Douglas Manuel, Minneapolis
 Jerald Lee Martin, Richfield
 Neil J. McCall, Minneapolis
 Joseph John McGuire, St. Paul
 Janice Kay McKenzie, Richfield
 Judith Ann McRae, Wayzata
 William Lyn Melville, West St. Paul
 Claude Edward Mika, Minneapolis
 Dennis Michael Miller, Minneapolis
 Gary Ford Mondale, St. Paul
 John Elias Moneta, Minneapolis
 Lynn Robert Morey, St. Paul Park
 William Arthur Morse, Minneapolis
 Peter Martin Muellner, South St. Paul
 Jeffrey Allan Munger, St. Louis Park
 Richard Beck Myers, Minneapolis
 Robert H. Neessen, Minneapolis
 Robert Chester Neish, St. Paul
 Michael Scott John Nelson, Minneapolis
 Pamela Nadine Nelson, Virginia
 Sally Ann Nevin, Shakopee
 Timothy K. Nicol, Minneapolis
 Gary Frederick Norman, St. Paul
 Constance Ann Notermann, Shakopee
 David Martin Nowak, Minneapolis
 Joanne Lorraine Olson, Minneapolis
 Dean Allan O'Malley, Minneapolis
 John O'Neill, Minneapolis
 James Monroe Oscarson, Minneapolis
 Terrence Lee Paape, St. Paul
 Gregory Antonio Pedersen, Minneapolis
 Eugene Charles Peterson, Minneapolis
 Wallace Eugene Peterson, Minneapolis
 Barbara Ann Pihaly, St. Paul
 Patricia Helen Pilquist, Stillwater
 Gary Richard Pollard, Minneapolis
 William Lee Purcell, Minneapolis
 Richard William Rawlings, Excelsior
 Katherine Frances Rembold, Minneapolis
 Sarah Thomas Reyes, Minneapolis
 Michael Charles Rindal, St. Paul
 Paula Olive Rudahl, St. Paul
 Joseph Edward Rymer, Minneapolis
 JeMae Karen Sampson, Radcliffe, Iowa
 Stephen Hanley Sando, Minneapolis
 Mary Lee Sauber, Farmington
 James Philip Schendel, Minneapolis
 Harold L. Scherling, Minneapolis
 William James Schmitt, Wayzata
 James Harvey Scentman, Minneapolis
 Donald Eugene Smith, Minneapolis
 Dennis Allyn Solberg, St. Paul
 Barbara Ann Solie, Minneapolis
 Thomas Edward Sonderup, Minneapolis
 William Edward Sosnoski, Farmington
 Rosalind Nancy Stillman, St. Louis
 Park
 Blair Dundas Strachan, Warren, Vt.
 Stuart Zelig Swartz, St. Paul
 Rebecca Jean Talus, Biwabik
 Thomas Charles Thul, St. Paul
 Martin LeRoy Tracy, Richfield
 David Lowell Turcotte, Minneapolis
 Ronald Eric Tvetene, Edina
 David Edward Van Popcrin, St. Paul
 Charles David Vinson, Minneapolis
 Angela Blanche Vogel, Mahtomedi
 Curtis Arthur Watkins, Hamel
 Mary Elizabeth Webster, St. Paul
 Donald Leo Welch, St. Paul
 James Paul Werner, Farmington
 Sandra Joan West, Red Wing

Robert William Wetterlin, West St. Paul	Carole Ann Christine Wilson, Minneapolis
Richard Cordell Wiisanen, Minneapolis	Lawrence Arthur Wishart, Minneapolis
Arlene Elizabeth Will, St. Paul	Jerry Allen Wronski, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Melvin Bernard Aanerud, Columbia Heights	Marian Elizabeth McLean, St. Louis Park
Janice Carolyn Benson, St. Paul	Patricia Cecelia Moberg, St. Paul
Barbara Ellen Blesi, Excelsior	Patricia Louise Nelson, Minneapolis
Nancy Jean Blumberg, Sioux Falls, S.D.	Joan Carol Peterson, St. Paul
Thomas Frank Bochnak, Minneapolis	Arlene Johnson Pettersen, Golden Valley
Pamela Ann Buhta, Richfield	Ruth Ann Pettis, Farmington
Thomas Victor Carney, Minneapolis	Lila Jean Pietsch, North St. Paul
Jean Ruth Cawelti, Sioux Falls, S.D.	Geraldine Maureen Pixler, Tracy
Karen Ruth Danielson, Minneapolis	Jacqueline Joy Quinnell, Faribault
Barbara Corinne D'Estrada, Minneapolis	Carole Ann Ready, East Orange, N.J.
Willard George Eggers, Brooklyn Center	Agnes Marie Ripka, Minneapolis
Doris Ann Eliason, Minneapolis	Rosemarie Anna Schneider, South St. Paul
Joanne Gordon, St. Paul	Lyman Kent Steil, Albert Lea
Nancy Ann Hegg, Minneapolis	Joan Dolores Swanson, Cook
Judith Belle Martinson, St. Paul	William Hugh Te Vogt, Pierz
Thomas Richard McAvoy, Stillwater	Roy Mathew Weir, Minneapolis

Bachelor of Arts

Stanley Earl Abrahamson, Minneapolis	Louise Andrews, Excelsior
William Roger Adams, Hamel	Gary Michael Arrell, Elk River
June Marilyn Alberg, South St. Paul	Marlene Jeanette Ask, Trimont
Dianne Wray Allen, Minneapolis	Craig Chauncey Austin, Minneapolis
Ronald Lloyd Allen, Blue Earth, CUM LAUDE	Gaylen Dean Bachman, Minneapolis, MAGNA CUM LAUDE
Freda Marie Anderson, A.A., Austin	Sally Lou Bakke, Bemidji
Kathryn Jane Sivertson Anderson, Mound, CUM LAUDE	Carolyn Louise Balcom, Edina
Owen Lyle Anderson, Minneapolis	James McQuarrie Balfour, Minneapolis
Robert Edward Anderson, La Crosse, Wis., MAGNA CUM LAUDE	Dean Verlyn Banick, Rochester
Sharon Joy Anderson, Mankato	Stephen Allan Bard, Minneapolis, MAGNA CUM LAUDE
Sigurd Wilhelm Anderson, Wayzata	Joan Sandra Barnett, Minneapolis, CUM LAUDE
Wilfred Carl Anderson, Mound	

Gary Norton Bartlett, St. Paul, CUM
LAUDE
 Joel A. Beale, Meridan, Miss.
 Carol Ruth Bellin, Minneapolis, CUM
LAUDE
 Walter John Bellin, Minneapolis.
MAGNA CUM LAUDE
 Gordon Jerome Bentson, Montevideo
 Thomas Kenneth Berg, Minneapolis
 Robert Myron Besner, Minneapolis
 Patricia Louise Bill, Corona, Calif.
 Amber Ellen Bischoff, Grand Rapids
 Gary John Bjorge, Tomah, Wis., CUM
LAUDE
 Virginia Ann Blomholm, St. Paul
 Gloria Jean Blumke, Minneapolis
 Marian Louise Bodey, St. Paul
 Charles Avery Bolles, Pine Island
 Ralph Paul Booton, St. Paul
 Dale Millard Borgeson, Minneapolis
 Joyce Agnes Bosak, Minneapolis
 Sally Ann Bourgois, Bismarck, N.D.
 John Hamond Bradshaw III, White
Bear Lake
 Janice Estelle Bredberg, Dunnell,
MAGNA CUM LAUDE
 Thomas Dennis Brennan, South St.
Paul
 James Elwell Broberg, Waconia
 Bernard Otto Brockhaus, Rogers
 Jeffrey Averett Brodtkin, Merion, Pa.
 Herbert Paul Brooks, St. Paul
 Daniel MacDonald Bryant, Minne-
apolis
 Susan Buirge, A.L.A., Minneapolis
 Donna Ruth Seifert Bullock, Minne-
apolis
 Zaiga Bumanis, Minneapolis
 Ronald Eugene Bunton, North St.
Paul
 Charles Lloyd Burdick, Minneapolis
 John Richard Burt, Minneapolis
 Frederick William Busch, St. Paul
 Robert Lalor Bussell, A.A., Minne-
apolis
 Gerald Norman Butler, Minneapolis
 Bruce Hunter Butterwick, Minne-
apolis
 Conrad Stuart Butwinick, St. Paul
 Elayne Ina Butwinick, St. Paul
 Richard Evelyn Buys, West St. Paul
 Suzanne Darrell Calof, Minneapolis
 James David Cameron, Minneapolis
 Barbara Leslie Camm, Austin
 Judith Ann Campbell, Edina
 John Evald Carlson, A.A., St. Paul
 Lee Alfred Carlson, Minneapolis
 Elizabeth Heard Baker Carter, Prince-
ton, N.J., CUM LAUDE
 George Harrison Carter, Jr., Minne-
apolis
 Jerome Thomas Cavanaugh, Minne-
apolis
 Elmer Theodore Ceder, Jr., Minne-
apolis
 Wayne Joseph Cernohous, River Falls,
Wis.
 Sandra Carol Peterson Chai, Minne-
apolis, MAGNA CUM LAUDE
 William Chang, Minneapolis
 Peter Andrew Chevalier, Minneapolis
 Carl Winston Chrislock, Minneapolis,
MAGNA CUM LAUDE
 David Earl Christensen, Garvin
 Marlana Margaret Manthey Christen-
sen, Hibbing
 Bohdan Joseph Ciropalovych, A.L.A.,
Minneapolis
 Bonn Harold Clayton, Glencoe
 Ann Miriam Close, St. Paul, MAGNA
CUM LAUDE
 Marshall Abbott Cohen, Duluth
 Jane Susan Cohler, St. Paul
 Richard Unger Cohn, Waterloo, Iowa
 Stephen Lyren Cole, Sioux City, Iowa
 Larry Lee Collins, Taylors Falls
 Larry Melvin Colman, Minneapolis
 Patricia Jean Colness, Benson
 Richard Adler Conley, Isle
 Marie Thelma Coulter, St. Paul
 Gunhilde Bernice Courtney, Minne-
apolis, CUM LAUDE
 Karen Marie Cravens, St. Louis Park
 Joyce Marie Cremers, Minneapolis,
MAGNA CUM LAUDE
 Roger Alan Crowley, A.M.S., Brainerd
 Roger William Cuthbertson, Minne-
apolis
 Charles Geoffrey Dahl, Minneapolis
 Robert Otto Dahl, Tomah, Wis.
 Gerald Milford Dahlines, St. Paul
 Milton Luther Dale, Minneapolis

Aloa Darleen Darrah, Minneapolis
Marian Kay Davidson, Hopkins
John Wallace Davison, St. Paul
Gerald Patrick DeFiacco, St. Paul,

MAGNA CUM LAUDE

Gretchen DeMeules, Minneapolis
Terrence William Desmond, St. Paul
Elizabeth Marie Deuhs, St. Paul
Judge Allen Dickson, Clairton, Pa.
John Franklin Dietzman, Rosemount
Steven Burnell Dille, McIntosh, CUM

LAUDE

John Hamilton Dinsmore II,
Owatonna
Valerie Fisher Dowell, Benton Harbor,
Mich.

Mary Elizabeth Drenckpohl, A.A.,
Le Sueur
Richard Michael Duff, Excelsior, CUM

LAUDE

James Frank Duncan, Bloomington
Jerry Glen Dygert, Minneapolis,

MAGNA CUM LAUDE

William Robert Eagleton, Edina
James Warren Eastman, Wayzata
Susan Janet Eberspacher, South St.
Paul

Mary Anna Eckberg, Minneapolis
Louella Elizabeth Edwards, Moorhead,

MAGNA CUM LAUDE

James Joseph Emndy, Chisago City,
MAGNA CUM LAUDE

Michael Charles Emery, Minneapolis
Douglas Marz Englund, Minneapolis
John Oliver Wang Enockson,
Excelsior

James Edward Erickson, St. Paul
Norman Edward Evans, Rainy River,
Ontario, Canada

Gloria Jean Everson, Atwater
Nancy Celeste Farrell, St. Paul, CUM

LAUDE

Barbara Sue Feldman, St. Paul
Dennis Patrick Felix, Little Falls
Marilyn Berdine Fena, Hibbing
Marjorie Elizabeth Ferguson, Walnut
Grove

Geoffrey Ferster, Minneapolis
Anthony Burns Fiskett, Minneapolis
Marjorie Ann Flaspeter, A.L.A., St.
Paul, CUM LAUDE

James Richard Flett, Clarkfield
Carolyn Beth Winters Folke, Minne-
apolis

Marilynn Hoagberg Ford, Hopkins,
CUM LAUDE

Kathleen Carol Forkins, White Bear
Lake

Craig Francis Forman, Pipestone
Diane Catharine Forman, Pipestone,
CUM LAUDE

Curtis Duane Forslund, Minneapolis,
CUM LAUDE

Donald John Foss, Minneapolis
Marsha Ann Franklin, A.A., Austin
Mary Ellen Franzen, Minneapolis,
CUM LAUDE

Joan Carolyn Freeberg, Minneapolis
Mary Ann Freeman, Minneapolis
Michael George Freer, Champlin
Serene Rae Friedland, Los Angeles,
Calif.

Joan Leaneore Fryer, St. Paul, MAGNA
CUM LAUDE

Phillip Gainsley, Minneapolis
Kenneth George Galchutt, Minne-
apolis

Phyllis O. Gall, Minneapolis
Christine A. Condit Gallant, Yonkers,
N.Y.

John Charles Gaunt, Winnipeg, Mani-
toba, Canada, CUM LAUDE

Marsha Jane Gavisier, Minneapolis
Stanley Reuel Gerstein, Minneapolis
Robert George Gilhoi, Granite Falls
David Dubach Gillett, A.A., Minne-
apolis

Gregory Warren Gillett, Coon Rapids
Edward Leonard Gleeman, St. Paul
John Richard Goetz, Minneapolis,
CUM LAUDE

Jane Marcee Goldburg, St. Paul,
MAGNA CUM LAUDE

Stuart Frederick Goldstein, Minne-
apolis

James Samuel Good, Faribault
James Marshall Gordon, Minneapolis,
MAGNA CUM LAUDE

Michael Gordon, New York, N.Y.,
SUMMA CUM LAUDE

John Robert Goth, Evanston, Ill.

Andrea Kay Goudie, Minneapolis,
 MAGNA CUM LAUDE
Sharon Kay Grahn, Minneapolis
Elaine Frieda Green, Minneapolis,
 CUM LAUDE
Theresa Mary Green, Minneapolis
John Philip Greenagel, Minneapolis,
 CUM LAUDE
Andrew John Greenshields, Browning,
 Mont.
Gary Jay Grimm, St. Paul
Donald Grussing, Hopkins
Stephen Lawrence Gyskiewicz, St.
Paul
Eva Horovicz Guggenheimer, Minne-
apolis, MAGNA CUM LAUDE
Phyllis Marie Gulbranson, St. Paul
Donald Albert Gullickson, Fertile
Carol Ruth Gustafson, North St. Paul,
 MAGNA CUM LAUDE
Hugo Fredinand Gustafson, Jr.,
 Duluth
Robert Lloyd Hall, Tower
Jordis Marie Halmrast, Minneapolis
David Caughren Hamilton, Santa
 Monica, Calif.
Russell Day Hanover, International
 Falls
Bruce Kendall Hansen, Minneapolis
Catherine Eva Hanson, St. Paul
Gary Burton Hanson, New Richland
Gary Paul Hanson, Minneapolis
Thomas Guthrie Hanson, Fairmont
Elizabeth Ann Harvey, St. Paul, CUM
 LAUDE
Charles Warren Hassett, St. Paul, CUM
 LAUDE
Judith Kristine Haugan, St. Paul, CUM
 LAUDE
Avron Charles Heiligman, Minne-
 apolis
Richard Fredrick Hellmer, St. Louis
 Park
Foster Orvil Hemstock, Minneapolis
Elizabeth Lael Henry, Stillwater
Ronald William Henry, Minneapolis,
 CUM LAUDE
Bruce Dwight Herman, Minneapolis
Sigwulf Hermann, West St. Paul
Mary Margaret Hill, Minneapolis, CUM
 LAUDE

Susan Louise Hinton, Springfield
Steven Gregor Hirsch, Minneapolis
Louise Sarah Hjermstad, San Fran-
 cisco, Calif.
Charles Donald Hoag, Jr., Minneapolis
Marcelle T. Devitt Hoffman, St. Paul
Michael Burton Hoffman, St. Paul
Mark W. Holian, Melrose
Lyle Marten Holin, Minneapolis
Allan Richard Honer, Minneapolis
John Edward Horejsi, North Redwood
John Joseph Horvei, Fairmont
Terrance Daniel Houg, Minneapolis
Virginia Helen Howe, Chicago, Ill.
Charles Robert Hudgins, Minneapolis
Maurice John Hughes, Saum
Lyle Dale Hurd, Jr., St. Paul
James Joel Hurtak, A.A., St. Paul
Bruce Edmund Hutchins, Minne-
 apolis, CUM LAUDE
Karen Jean Iverson, St. Paul
Donald Eliot Jackson, Brainerd
Charles Lyle Jacobson, Bloomington
Susan Florence Jasper, Minneapolis
Arnold Edwin Johanson, Minneapolis,
 SUMMA CUM LAUDE
Alisandra Evelynne Johnson, St. Paul
Bradley Charles Johnson, Detroit
 Lakes
Carol Ann Johnson, Minneapolis, CUM
 LAUDE
Carol Ann Johnson, Minneapolis,
 CUM LAUDE
Clayton Aaby Johnson, St. Paul,
 MAGNA CUM LAUDE
Dallas Darral Johnson, Olivia
Elizabeth Ann Johnson, Delmar, N.Y.
Gary Lowell Johnson, St. Paul
Glenn Bruce Johnson, Moorhead
Kathryne Mary Johnson, St. Paul,
 CUM LAUDE
Larry Lee Johnson, Minneapolis
Paul David Johnson, Minneapolis
Roger Alan Johnson, Minneapolis
Diana Johnstone, Excelsior, CUM
 LAUDE
Gwendolyn Bush Jones, Prichard, Ala.
Susan Mary Wadd Jones, Janesville
Tobin Harry Jones, Rochester
Mary Ann Jordan, St. Paul, MAGNA
 CUM LAUDE

Loren Frank Kalal, Prior Lake
 Jerome Clyde Kaltenhauser, Lindstrom
 Darryl Kamin, St. Paul
 Kathleen Anne Kane, Minneapolis
 Rosemary Simone Kannady, Austin
 Joyce Molly Kaplan, St. Paul
 Martin Berk Kaplan, Minneapolis
 Jeffrey Mark Karatz, Minneapolis
 John Calvin Katter, Minneapolis, CUM
 LAUDE
 Richard Joseph Kecnan, St. Paul
 Loren Roger Keldahl, Bloomington
 Jane Elizabeth Keller, Minneapolis
 Douglas Ulring Kells, Minneapolis
 Andrea Sharon Kern, Minneapolis,
 MAGNA CUM LAUDE
 Kenton Neil Kerns, Rolfe, Iowa
 Caroline Ann Keys, St. Paul
 Robert Waugh Keyser, Boise, Idaho
 Tonu Mart Kiesel, Minneapolis, CUM
 LAUDE
 Chin Hyung Kim, Seoul, Korca,
 MAGNA CUM LAUDE
 Yung Taik Kim, Seoul, Korea
 Richard David King, Duluth
 Thomas Ray King, Minneapolis
 Sigrid Mary Kjelson, Minneapolis,
 CUM LAUDE
 Wendell Arthur Kjos, Alexandria,
 CUM LAUDE
 Gayle Ann Klasky, Duluth
 Anita Nancy Klein, Minneapolis
 Jude Joseph Klein, St. Paul
 Harvey Richard Kleyman, Minne-
 apolis
 Edward Griffin Kline, Williston, N.D.
 Charles Burton Knaus, St. Paul
 Vernon Eugene Knutson, Albert Lea
 Darrel Ernest Koehler, New York
 Mills
 Robert Bennett Koerner, Newport
 Nicholas Kolokythas Kolas, A.A.,
 Patras, Greece
 Richard John Kraus, Sheboygan, Wis.
 Carolyn Janice Krause, Long Lake
 Roger Leroy Kray, Blue Earth
 John Adrian Kromhout, St. Paul
 Peter Paul Kujawa, Minneapolis
 Norbert Frederick Kulzer, Hastings
 James Robert Kyle, Minneapolis
 Arlyss Ann Lamson, White Bear Lake
 Gerald Lang, St. Paul
 Robert James LaPerricre, St. Louis
 Park
 Lija Lapsitis, St. Paul
 Lynne Marie Laramie, Coleraine
 Marcia Jean Larsen, Osseo
 Carol Ann Larson, Minneapolis,
 MAGNA CUM LAUDE
 David Gregory Larson, Minneapolis
 LeRoy Richard Larson, A.L.A., St.
 Paul
 Darrel Loyd Lary, Northfield, CUM
 LAUDE
 Colleen Camille Lau, Elk River
 Barry Michael Lazarus, Minneapolis
 Joanne Helen Lebo, St. Paul
 Karen Janell Lee, Minneapolis
 Warren Eugene Lehtinen, Minne-
 apolis
 Gerald Alfred Leinfelder, Minneapolis
 Richard E. Leonard, St. Paul
 Michael Donald Lerner, Minneapolis
 Jane Ann Levy, St. Paul, MAGNA CUM
 LAUDE
 Gary Lee Lewis, Shakopee
 Jerome Russell Lewis, St. Paul
 Bernhard Wilfred Lien, Minneapolis
 Benjamin Millman Lifson, Minne-
 apolis, CUM LAUDE
 John Milton Lind, Red Wing
 Robert Alfred Lohmar, Hopkins
 Rodney William Luetke, Minneapolis
 Robert Warren Lundgren, North St.
 Paul
 Joan Rae Lundstrom, Mahtomedi
 Lynn Agnes Lundstrom, Mahtomedi
 Arthur Mack, Hopkins
 Shirley Ann MacMillan, Minneapolis
 Charles LeRoy Mahaney, Jr., St. Paul
 Philip Paul Mahle, Plainview, CUM
 LAUDE
 Anthony Robert Maistrovich, Virginia
 Max Adrian Malmquist, North
 Branch, CUM LAUDE
 William David Manahan, Madelia
 William Herbert Markert, A.A.,
 Brainerd
 Wayne Russell Markison, West St.
 Paul
 Judith Kay Marron, West St. Paul
 Janet Marie Martin, Waterloo, Iowa

Stephen Hammond Martin, St. Paul,
 CUM LAUDE
Robert Elmer Martinson, Minneapolis
Dennis Marshall Mathisen, Minne-
apolis
Thomas Ryden Mattison, Minneapolis
Bruce Gordon McBeath, Minneapolis
Patricia Ann McBride, Virginia
Larry Raymond McClary, Detroit
Lakes, MAGNA CUM LAUDE
Paul Francis McCloskey, Jr., St. Paul
A. Reid McFarlane, St. Paul
Judith Ann McGarry, Minneapolis,
 CUM LAUDE
Byron Calvin McGregor, Mapleton,
 CUM LAUDE
Marilyn Ruth McManus, Princeton
Theodore Robert Mellby, Bloom-
ington
Barbara Jean Melquist, Minneapolis
Robert Alan Melting, Albert Lea,
 CUM LAUDE
Richard Lee Miller, Rochester
Terrence P. Miller, St. Paul
Thomas Edward Miller, Minneapolis,
 CUM LAUDE
Alice Janet Minard, Philip, S.D., CUM
 LAUDE
Mary Susan Miners, Biwabik, CUM
 LAUDE
Brian James Mitchell, Minneapolis
Judith Dianne Mizinski, Superior,
 Wis.
Jane Louise Moening, Owatonna
Henry Eigen Moller, St. Paul
Kathleen Anne Moo, St. Louis Park
James Michael Moore, Minneapolis,
 CUM LAUDE
John Edward Moriarty, St. Paul
Joseph Alvin Morris, Silver Spring,
 Md.
Jack Walter Moskowitz, Minneapolis
Robert Cody Mossberg, Minneapolis
Richard Lee Mulvania, Red Wing,
 CUM LAUDE
John Joseph Mulvena, Wilmington,
 Del.
Kathleen Jean Munger, Minneapolis
Kathleen Ann Murphy, Grand Rapids
William Broderick Murphy, St. Paul
Timothy Eugene Nealy, Adrian

Audrey May Nelson, Austin, MAGNA
 CUM LAUDE
Jacqueline Florence Dunn Nelson,
 Chicago, Ill.
Joanne Lee Nelson, St. Paul
Margaret Viola Nelson, Elbow Lake
Richard Clay Nelson, Minneapolis,
 CUM LAUDE
Thomas Lowell Nelson, Winona
Paul Russ Nesheim, Albert Lea
Marcia Mary Neubeiser, St. Charles,
 Mo.
Richard Allan Neuman, Minneapolis
David Charles Nevins, Minneapolis
Terry George Newell, St. Paul
Edward Wai-Kwok Ng, Hong Kong,
 China, MAGNA CUM LAUDE
Kent Robert Nichols, St. Louis Park
Dennis Erling Nilsson, Minneapolis
Priscilla Elaine Noble, Minneapolis
Ronald Irving Noel, Minneapolis
Garylce John Noerenberg, A. A.,
 Worthington
Ann Barlow Nordeen, Edina
Thomas Kent Norrie, Rochester
William Arnot North, Minneapolis
Dennis Lee Nustad, Detroit Lakes
Nancy Alice Nyquist, Minneapolis
Boyd Dean Obermeyer, Aberdeen,
 S.D.
Barry Joseph O'Brien, Minneapolis
Olin Eugene Odland, Minneapolis
Gundega Mara Ogulis, Minneapolis,
 MAGNA CUM LAUDE
Ellis Olkon, A.A., Minneapolis
Stephen Milton Olsen, Minneapolis,
 MAGNA CUM LAUDE
Karl Wesley Olson, A.A., St. Paul
Kathleen Ann Wiel Olson, Lake City
Sharon Kaye Olson, Farmington
William Monroe Olson, Eveleth,
 MAGNA CUM LAUDE
Henry Nels Oredson, Minneapolis
Michelle Mariette Ostlund, Excelsior
Avrin Mauryce Overbach, St. Louis
 Park, MAGNA CUM LAUDE
Leanne Rae Palmer, Albert Lea,
 MAGNA CUM LAUDE
Basilios E. Papandreou, Volos, Greece
Robert John Parke, Minneapolis
Dvora Parker, Winnipeg, Canada

Alan Ross Paymar, St. Paul
 Laurelle Kay Pearson, Minneapolis
 Bruce Adrian Pehrson, Marshall
 Allyn David Pelarski, Jordan
 Livija Leva Pelecis, Minneapolis
 Charles Allen Peterson, St. Paul
 Gordon Robert Peterson, A.A., Min-
 neapolis
 Judith Kristin Peterson, Bogota, Co-
 lombia, South America
 Richard Leonard Peterson, St. Paul
 Robert William Peterson, Minne-
 apolis
 Julianne Carol Philbrook, Minneapolis
 Martin Jerome Pidgeon, Des Moines,
 Iowa
 Dolores Elizabeth Pillen, North St.
 Paul
 Joyce Lee Pishney, Minneapolis
 Gregory Herbert Pitman, St. Paul,
 CUM LAUDE
 Charles Bruce Plowman, St. Paul
 Frederick Blair Plowman, St. Paul
 William Joseph Pollard, Foley
 Martin Sheldon Polterock, Minne-
 apolis
 Paul Peter Posel, St. Paul
 Robert Louis Possehl, Minneapolis
 John Edward Poutinen, Menominee,
 Mich.
 Cheryl Jo Prescher, Battle Lake
 Dennis Joseph Purtell, Wauwatosa,
 Wis.
 Virginia Ann Rahn, Minneapolis
 Donald Thomas Raleigh, Lake Elmo,
 CUM LAUDE
 Mary Louise Raney, Milwaukee, Wis.
 Fred Willard Readell, A.L.A., St. Paul
 Edward Scott Reay, St. Paul
 Charles Roger Reid, Grand Rapids
 Kay Frances Reinartz, Rose Creek
 Peter Rauen Reis, White Bear Lake
 Rose Elizabeth Resch, Minneapolis
 Susan Fortune Rhame, St. Paul,
 MAGNA CUM LAUDE
 Terry Asa Rhodes, Boise, Idaho
 Maurice G. Rice, Jr., Stevens Point,
 Wis.
 Gary James Richey, Richfield
 Mary Elizabeth Rieke, Minneapolis
 John Kenneth Ridders, Oklahoma
 City, Okla.
 James Albert Roberson, Minneapolis
 Alan Dwayne Robinette, Cedar Falls,
 Iowa
 James Josef Roch, St. Paul
 Sally Ann Rogentine, Jackson
 Harvey Elliot Rosen, Minneapolis
 Joel Warren Rosenbaum, St. Paul
 Dennis Eugene Rossing, Minneapolis
 Diane Wanda Rostomily, Minne-
 apolis, MAGNA CUM LAUDE
 Marjorie Sue Roston, Minneapolis
 Eugene John Rouleau, St. Paul
 Stephen Lyle Rozman, Minneapolis,
 MAGNA CUM LAUDE
 Bruce Thomas Rubenstein, St. Paul
 William Michael Rubis, Grove City
 Fredrik Arnold Rydlun, Minneapolis
 Doris Esther Ryen, Fergus Falls
 Stanton Orlo Sanderson, Worthington
 Sonia Mary Mattson Sands, St. Paul
 Judith Lee Savage, Little Falls
 James Robert Schafer, Lake City
 Phillip Michael Schneider, South St.
 Paul, MAGNA CUM LAUDE
 Clement John Schroeder, Sleepy Eye
 Roger Owen Schroepfel, Winthrop
 Donald D. Schultz, St. Paul, MAGNA
 CUM LAUDE
 Edith Mae Schuppel, Minneapolis,
 CUM LAUDE
 Robert Charles Schwegler, Alexandria
 John Robert Schwirtz, St. Paul
 Jerry Aaron Segal, Minneapolis, MAGNA
 CUM LAUDE
 Larry Charles Setnosky, A.A., Bovey,
 CUM LAUDE
 Galen Landro Severson, Minneapolis
 Michael Stewart Shapira, Minneapolis,
 CUM LAUDE
 Susan Helene Shark, Minneapolis
 Charles Howard Sharpe, Robbinsdale
 John Gage Shaver, Wayzata
 Floyd Edward Shaw, Jr., A.A.,
 Rochester
 Harriet J. Berman Sherman, Minne-
 apolis
 Ronald Steven Shink, Minneapolis
 Carolyn Marie Sholander, Minneapolis

David Buford Shonyo, Rochester
 Karen Ann Siebenaler, Shakopee
 Robert James Sjoquist, Minneapolis
 Thomas Wesley Skadeland, Minot,
 N.D.
 Lyle Duane Skandel, Minneapolis
 Barbara Jeanne Smith, St. Paul
 Benjamin Phillip Smith, Pennock
 Sally Anne Smith, Minneapolis, CUM
 LAUDE
 Dean Richard Snow, Sleepy Eye
 Romell Joanne Snyder, Butte, Mont.
 Norbert Ludwig Sobek, Minneapolis
 Carl Edward Solberg, Robbinsdale,
 MAGNA CUM LAUDE
 Norman Sigurd Solberg, Minneapolis,
 CUM LAUDE
 Robert Lowell Sorenson, Albert Lea
 John Alfred Soucheray, St. Paul
 Michael F. Southworth, Kasson,
 MAGNA CUM LAUDE
 Ellen P. Middlebrooks Sowles, Barnes-
 ville, Ga.
 Mary Kay Sperl, St. Paul
 Richard Farrand Stanford, St. Paul,
 CUM LAUDE
 Denis Porter Stedman, Minneapolis
 Jean L. Ostrov Steiger, Virginia
 Noel Elliot Stenoien, Battle Lake
 Emery Charles Stenquist, Jr., Minne-
 apolis
 Judith Anne Stenson, Minneapolis,
 CUM LAUDE
 George James Stever, Winona
 Barbara Lee Stewart, Minneapolis
 John William Stewart, St. Paul
 Peter Allison Stitt, Minneapolis
 Wayne Warren Stockman, Stewart,
 CUM LAUDE
 David Merrill Stolp, Jackson
 Timothy Leroy Stone, Edina
 Emma L. J. Munson Stovall, Minne-
 apolis
 Jon Hall Straub, A.A., Minneapolis
 Judith Marie Strong, Minneapolis
 Karen Elizabeth Sturdy, Dubuque,
 Iowa
 Martins Sturmanis, Minneapolis,
 MAGNA CUM LAUDE
 Sondra Ruth Swanson, Minneapolis
 Wallace Martin Swanson, Fergus
 Falls, CUM LAUDE
 Anna Jane Alida Szczepanski, St. Paul,
 MAGNA CUM LAUDE
 Carol M. Holmes Takyi, Fergus Falls
 Janet Elizabeth Tallman, Hopkins,
 CUM LAUDE
 Roger Roy Tamte, B.I.F., Worth-
 ington
 Rubyrac Louise Collins Tarr, Cloquet
 Clarence Ellis Taylor, St. Paul
 Frances S. Miller Taylor, Overland
 Park, Kan.
 Erling Trygve Teigen, Minneapolis
 Errol Clifford Thompson, Morristown
 Gary George Thompson, Bloomington
 James Everett Thompson, Fergus Falls
 Gloria May Thorson, Minneapolis
 George Richard Thrana, Duluth
 Dorothy Elizabeth Thurnauer, St. Paul
 Ronald David Turner, Minneapolis
 Renate Christa Tietz, St. Paul
 Edward Charles Tischleder, Watkins
 Kaye Loren Torgerson, New London
 Sara Lynn Torvik, Underwood,
 SUMMA CUM LAUDE
 Charles William Trautner, Hopkins
 Judith Ann Travis, Racine
 Kathleen J. Trewbella, Minneapolis
 James Roger Truax, Crystal
 Arnold Michael Turchick, Minne-
 apolis, CUM LAUDE
 Margaret Ann Twentyman, Rochester,
 CUM LAUDE
 Allan David Unseth, A.A., Albert Lea
 Murray Sanford Valene, Minneapolis
 Lucy Ann Vallera, West Hartford,
 Conn.
 Bruce John Van Dyne, Minneapolis
 Vivian Grace Van Valkenburg, Long
 Prairie, CUM LAUDE
 Janis Vape, Minneapolis
 Alan Raphael Verson, St. Paul, CUM
 LAUDE
 Darrell McLean Vetter, Minneapolis
 John Emile Vilandre, Minneapolis
 Helen Louise Volavka, Minneapolis
 James Owen Voss, Minneapolis
 Orville Voxland, Erskine

Bruce George Wachter, Minneapolis,
 CUM LAUDE
Daniel Carl Walden, Minneapolis,
 CUM LAUDE
 Gerald Thomas Walker, Minneapolis
 Robert Gary Walker, Bloomington
 Douglas John Wallen, Dalbo
 Charles Willard Washick II, St. Paul
 Robert Joseph Weaver, St. Paul
 David Charles Weinberg, Minneapolis
Rachel Eta Weiner, Minneapolis,
 MAGNA CUM LAUDE
 Stephen Charles Weisberg, Minnc-
 apolis
 Sharon Eileen Holscher Weiszhaar,
 Minneapolis
 James Barton Wells, Minneapolis
 Robert Lynn Wempner, Plainview
 Beverly Mae Wenksterm, Mound,
 CUM LAUDE
 Brian Richard Wessel, Minneapolis
 David Allan West, Fort Thomas, Ky.
 Judith Jean Westendorf, A.L.A.,
 Zumbro Falls
 Linda Mac Whitney, St. Louis Park
 Dexter Delmont Whittemore, Jr.,
 Bemidji, CUM LAUDE

*Bonnie A. Stahler Wilson, Minne-
 apolis, CUM LAUDE*
 Jacqueline Marie Wilson, A.L.A.,
 Minneapolis
 Charlotte Louise H. Winget, St. Paul
 Robert Martin Winslow, New Uhn,
 SUMMA CUM LAUDE
 Laurence Arthur Winter, Detroit
 Lakes
 George Worthington Wirth, A.A.,
 Minneapolis
 Arthur Francis Witesman, A.A., Los
 Angeles, Calif.
 Carl Prastmark Wolander, Minnc-
 apolis
Adrian James Wolbrink, Bloomington,
 CUM LAUDE
 Miriam Sylvia Wolf, Minneapolis
 Janet Joyce Wozniak, Minneapolis
 Neil Robert Wylie, St. Paul
 William Howard Zabel, Plainview
 James Philip Zachman, Mcrose
David Samuel Zarek, Redding, Calif.,
 CUM LAUDE
 Bonni Zelle, Minneapolis
 Paul Duane Ziegenhagen, Owatonna
 Jerry S. Zweigbaum, Minneapolis

UNIVERSITY COLLEGE

Bachelor of Arts

Mary Ann Evans, Minneapolis
Daniel Lyle Jensen, Hutchinson,
 MAGNA CUM LAUDE
 Carolrhoda Locketz, St. Paul
 Nancy Ann Lind, Grand Marais

Carolyn Heather M. Manosevitz,
 Minneapolis
 Martin Barry Peterson, Minneapolis
 Judith Barbara Polsfuss, St. Paul
 Tom Morden Stark, A.A., Excelsior
 Jean Kathleen Ulku, Minneapolis

Bachelor of Science

Jean Edith Engvall, Minneapolis

Stuart Carl Wahlborg, St. Paul

INSTITUTE OF TECHNOLOGY

Certificate in Science

Joel Burton Winer, St. Louis Park

Bachelor of Science

- Gordon Oscar Backlund, Silver Bay,
WITH DISTINCTION
Theodore Balberyszski, Melbourne,
Australia
William Michael Barg, Mason City,
Iowa, WITH HIGH DISTINCTION
Leon Roger Barrett, St. Cloud, WITH
HIGH DISTINCTION
John Arden Briese, Buffalo Lake, WITH
DISTINCTION
Roland Eugene Curtis, Hopkins
Donald Theodore Davis, St. Paul,
WITH DISTINCTION
John Edgcumbe, Minneapolis, WITH
HIGH DISTINCTION
John Frank Evert, St. Paul, WITH
DISTINCTION
David Edward Garfin, Minneapolis,
WITH DISTINCTION
Dennis Jerome Golden, Minneapolis
David Peter Gregorich, Eveleth, WITH
DISTINCTION
Jack Donald Haag, St. Paul, WITH
DISTINCTION
Henry Earnest Halladay, Minneapolis,
WITH HIGH DISTINCTION
Robert Duane Harder, Butterfield,
WITH HIGH DISTINCTION
John Harvey Henderson, Nashwauk,
WITH DISTINCTION
Kenneth Earl Hendrickson, Minne-
apolis, WITH HIGH DISTINCTION
Jerry Dale Hinderman, Minneapolis,
WITH DISTINCTION
John David Holm, St. Paul, WITH
DISTINCTION
William Andrew Hustrulid, St. Paul,
WITH DISTINCTION
Lelan Ray Jamison, Jr., Hopkins, WITH
DISTINCTION
Chester Harry Johnson, Jr., A.A.,
Rochester
Duane Peter Johnson, Minneapolis,
WITH HIGH DISTINCTION
Larry Oliver Jones, Blue Earth, WITH
DISTINCTION
Larry Wesley Karkela, Grand Rapids,
WITH DISTINCTION
William David Kimmel, St. Paul,
WITH DISTINCTION
Rollin Edward Langseth, St. Paul,
WITH HIGH DISTINCTION
John David Linnerooth, St. Paul,
WITH DISTINCTION
Peter Daniel Lohn, Minneapolis,
WITH DISTINCTION
Paul Arthur Nelson, Minneapolis,
WITH HIGH DISTINCTION
Nicholas Alex Patrin, St. Paul, WITH
DISTINCTION
Richard Alan Pedersen, Farmington,
WITH HIGH DISTINCTION
Ervin Albert Quast, Green Isle, WITH
DISTINCTION
Gerald Edward Riach, Osseo, WITH
HIGH DISTINCTION
Donald William Ringrose, Minne-
apolis, WITH HIGH DISTINCTION
Leonard George Rosner, Cleveland,
WITH DISTINCTION
Michael Anthony Savageau, Fargo,
N.D., WITH HIGH DISTINCTION
Roger Glenn Schroeder, Faribault,
WITH HIGH DISTINCTION
David Philip Smith, St. Paul, WITH
DISTINCTION
Thomas William Spriggs, Bloom-
ington, WITH HIGH DISTINCTION
Richard Owen Strom, Wayzata
Wilbur Francis Sweeney, Minneapolis,
WITH DISTINCTION
James Richard Tobias, Minneapolis
Paul Chester Voxland, Erskine
Roland Everette Weber, Lakefield,
WITH HIGH DISTINCTION
Edmund Lawrence Wegscheid, Win-
sted, WITH DISTINCTION
David Allan Witsoe, Minneapolis
Wendell Loren Woyke, St. Paul, WITH
DISTINCTION

Bachelor of Aeronautical Engineering

*Leonard Jay Aker, St. Paul, WITH
DISTINCTION*
William Nickell Ames, Duluth
Joseph Wilfred Bushard, Minneapolis
Kyoung Choo, Seoul, Korea
Charles Frank Christianson, Comfrey
Gordon Read Craig, Minneapolis
David Paul Engh, A.A., Starbuck
Alford John Hanson, Jr., Ortonville
William George Hill, Ely
Jerome Charles Klein, Millerville
Alan Harold Larson, Albert Lea
Paul Sebastian Lentz, Robbinsdale
Richard Henry Lindahl, Duluth

Donald Alexander MacLean, Regina,
Saskatchewan, Canada
Donovan Edward McGee, Stillwater
Edward Anthony Nierengarten, New
Ulm
Roger Wilbert Olson, Minneapolis
Penn Arthur Peters, Frederic, Wis.
Roger Allan Rausch, Cold Spring
William Joseph Richards, Antigo,
Wis.
George Harry Thornberg, Jr., St. Paul
Michael Leigh Walman, St. Louis
Park

Bachelor of Agricultural Engineering

Gerald Duane Bickel, Northfield
John Paul Arthur Johnson, Roseau
Lloyd Allen Kosbab, Fairmont

Karl Arden Nerstad, Spring Grove
Richard Henry Thompson, A.A.,
Oakland

Bachelor of Architecture

*Edward Blair Allen, Madison, Wis.,
WITH HIGH DISTINCTION*
Duane Everett Blanchard, Edina
James George Burr, Edina
Curtis Glenn Clarke, Minneapolis
John Wilson Cuninghame, St. Paul
Juris Curiskis, Minneapolis
Richard Conrad Depta, B.A., Minne-
apolis
Arvid Edward Elness, Windom

*Roger Charles Freeberg, Minneapolis,
WITH DISTINCTION*
Jon Ernest Gravender, Hopkins
James Edwin Hanson, Jr., Albert Lea
*Charles Thomas Harris, Milwaukee,
Wis., WITH HIGH DISTINCTION*
Ernst A. Ibs, Marne, Germany
Roger John Skaar, Ashby
*Milo Henry Thompson, B.A. cum
laude, Minneapolis, WITH DISTINC-
TION*

Bachelor of Chemical Engineering

Gerhard Benz, St. Paul
Michael Claudewell Jon Carlson,
Nashwauk
John Peter Conery, Minneapolis
Peter Baker Crawford, St. Paul
William Michael Dunbar, Deer Park,
Wis.
Gale Lee Hubred, Alexandria
Stephen Frederick Johnston, White
Bear Lake

James Rudolph Krall, Ely
James Walter Lavin, Duluth
Jae Young Lee, Seoul, Korea
*Donald Ray Mathiowetz, New Ulm,
WITH DISTINCTION*
Robert Bruce Moffatt, St. Paul
Douglas Charles Mohl, Minneapolis
*Arnold Thomas Olsen, Robbinsdale,
WITH DISTINCTION*

Richard Douglas Polson, Minneapolis
Richard Allan Poppler, Frazee
John Everts Rehfeld, St. Paul
Michael Cornelius Roach, St. Paul

Terrance James Russell, St. Paul
Lloyd Gaylord Wass, Nisswa
Walton Lee Witzke, Rochester
Everett Leslie Young, New Ulm

Bachelor of Chemistry

John William Baum, Highland Park, Ill., WITH DISTINCTION
Robert Edward Buntrock, Minneapolis, WITH DISTINCTION
Robert Maurice Carlson, Howard Lake, WITH DISTINCTION
Donald Roy Dimmel, A.A., Austin
James Franklin Drake, Jr., Valley Center, Kan.
Robert John Iverson, Alexandria
Marc Alva Jaglowski, St. Paul, WITH HIGH DISTINCTION

Eugene Arnold Katz, Minneapolis, WITH DISTINCTION
Richard Allan Kretchmer, Tracy, WITH HIGH DISTINCTION
Lawrence Louis Landucci, St. Paul
Alan Willard Leipnitz, Eau Claire, Wis.
James Allen Lovstrand, Ivanhoe
Elizabeth Pui Iu Ng, Hong Kong, China
Inesis Janis Ogrins, Minneapolis
Robert James Theissen, St. Paul, WITH DISTINCTION

Bachelor of Civil Engineering

Thomas Edward Campbell, St. Paul
Lawrence Frank Feldsien, Montrose
Gerald Henry Filson, Ely
Robert Hafstad, Ellendale
David Erwin Hansing, Minneapolis
Douglas Allen Johnson, Brainerd
Richard Warren Johnson, Albert Lea, WITH DISTINCTION
Kenneth Charles Kopitzke, Shakopee
Stanley Richard Kumpula, Minneapolis
Donovan Harold Lumby, Moose Lake
Marcia Jane Monthey, Duluth
Thomas Ransdell Moore, Jr., Rochester
James Alfred Nystrom, Elk River
Robert Jerome O'Brien, Minneapolis

Duane Francis Pulkrabek, Hinckley
Daryl Louis Ranstrom, Warren
Steven Michael Roverud, Spring Grove
Richard James Sauers, Stillwater
Arthur William Smith, Jr., Pine City
Harold Emanuel Taggatz, Gibbon
Darryl Leon Terho, Minneapolis
Edward Myron Thomas, Crystal
James William Weiske, Brainerd, WITH DISTINCTION
Gary Edward Wellhausen, Minneapolis
Michael Edward Welsh, Mankato, WITH DISTINCTION
Lawrence Allen Wilson, Edina

Bachelor of Electrical Engineering

William Macy Angell, St. Paul
James Joseph Aukofer, Minneapolis
William Clement Bechtold, St. Paul
David James Behun, Minneapolis
Lionel Conrad Bening, Jr., Winona

Gary Gustaf Benson, St. Paul, WITH DISTINCTION
Jack Berg, Minneapolis
William Eugene Berg, Minneapolis

Wayne Steven Billings, A.A., Stewart-ville

Michael Joseph Brady, Minneapolis

Brian Arnold Brastad, Edina, WITH DISTINCTION

Raymond Donald Brose, Newport

Robert Michael Bryndza, Minneapolis

James William Button, St. Paul

David Richard Carlson, Ceylon

Richard James Cedarblade, St. Paul

Dale Lee Christenson, B.A., Minneapolis

Donald Bruce Clark, Winona

Gary Lamarr Claude, Delavan

Arnold Raymond Clobes, Fairfax

Joseph Michael Corbett, Redwood Falls

Todd Phillips Davidson, Minneapolis

Frederick John Deadrick, Minneapolis

Sanford E. Egesdal, Elmore

Thomas Lee Elmquist, St. Paul

Daryl Robert Emme, Minneapolis, WITH DISTINCTION

Gerhardt Frederic Ernst, St. Paul

Frank John Ferrin, Wayzata

Lyle Steven Freiderich, St. Paul

Herman Frismanis, St. Paul

Jerome Elias Ganske, Wayzata

Robert Dale Gerchman, Eveleth

Garry Lund Gorsuch, Aitkin

Alan Everett Gross, Minneapolis

Alan Martin Hansel, Willmar

James Richard Harter, Minneapolis

Richard John Hedger, Minneapolis

Philip Allen Hughes, Minneapolis

David Putnam Jensen, Brainerd

Ray Reuben Kaste, Winona, WITH DISTINCTION

Robert Ludwig Kaster, Wayzata

Kenneth Victor Kesti, Duluth

James Vernon Kinetz, Duluth

Arnold Wayne Knight, Park Rapids

John Kolodnycki, Pidhajci, Ukraine

John William Kowles, Ivanhoe

Walter Forest Krake, Jr., St. Louis Park

Gerald Michael Kraus, St. Paul

Thomas Edward Krumpelmann, Minneapolis

Dale Thomas Kuchn, Minneapolis

Leslie Louis Kumpula, Minneapolis

Roger Allen Kylo, McCanna, N.D.

Richard Roman Lachenmayer, St. Paul

Gilbert Dale Larson, Minneapolis

Dale James Leistico, A.A., Worthington

Ronald Weldon Madsen, Morgan, WITH DISTINCTION

Michael John Maloney, Detroit Lakes

Amos Otto Marckel, Perham

Richard Warren Mattson, Mahtomedi

Vincent Michael McCarty, Wabasso

Albin Medved, Biwabik

Joseph Leo Moelter, Wabasso

Bruce A. Nemer, St. Paul, WITH DISTINCTION

Robert Francis Nepper, Minneiska

Timothy Albert Newman, Minneapolis

Virgil Howard Norquist, Bagley

Mark Arvid Nyberg, Kennedy

Lawrence Louis Palkert, B.M.E., Minneapolis

Robert Patrick Patterson, Minneapolis

Thomas William Petschauer, St. Paul

Ralph Stephen Phanning, Britt

Lloyd Wayne Priddy, St. Paul

George Elmer Pupera, Jr., Minneapolis

Richard Francis Rathman, Gibbon

Merle James Ratz, Jr., Red Wing

Dennis Lee Reese, Ottertail, WITH DISTINCTION

Richard George Roller, St. Paul

David William Rowell, St. Paul

Robert Takashi Sawamura, Minot, N.D.

Richard Frederick Schuster, Chaska

Arthur William Schwalm, St. Paul

William Harlan Schwartz, Minneapolis

Steven Jerome Shamblott, Duluth

John Frederick Skoglund, Forest Lake

Robert Leo Smith, Duluth

Victor Owen Smith, Minneapolis

James Russell Spensley, Bastrop, La.

Pedro Stasz, B.S., Caracas, Venezuela

Robert Miller Thomas, St. Paul

Roger Lyle Tobolt, Ashby

Donald Gordon Tock, Minneapolis

Edward Richard Velat, St. Paul

Gary William Wallin, Minneapolis

Arthur George Wallner, Jr., Hutch-
inson
John Charles Whittemore, Glenwood
Donald Leon Wolden, Rochester

Duane Arthur Young, Aitkin
Gilbert Clifford Zimmerman, Minne-
apolis

Bachelor of Geological Engineering

Terrence Andrew Higgins, Minne-
apolis

Brian Lee Krogseng, St. Paul
James Dudley Shepard, Minneapolis

Bachelor of Mathematics

James Richard Carlson, Grand Rapids,
WITH DISTINCTION
Larry Wayne Christenson, Fairmont
James Roland Cloninger, Minneapolis
Rolf Lee Deming, Minneapolis
Alan Keith MacKichan, Minneapolis
Larry Joseph McDonald, Minneapolis
WITH HIGH DISTINCTION

Darrel Leroy Nesseth, Northome
Kermit John Nord, Minneapolis, WITH
DISTINCTION
Edward Patrick Riley, St. Paul, WITH
DISTINCTION
John Ralph Spearing, Minneapolis
Donald Clive Swanay, St. Paul, WITH
HIGH DISTINCTION

Bachelor of Mechanical Engineering

Lynn William Anderson, Minneapolis
Richard Thomas Anderson, Owatonna
Thomas John Antolak, Minneapolis,
WITH DISTINCTION
Gregory N. Baker, Claremont, WITH
DISTINCTION
Carl William Baumeister, St. Paul
Isaac Berger, Minneapolis
Harold Arthur Berglund, Afton
Larry Glenn Berglund, Edina, WITH
DISTINCTION
Arthur Fredrick Carbert, Morris
Lee Roy Carlson, Marshall
Donald John Cashman, St. Cloud
Roy Pomroy Chadwick, Rochester
Donald Richard Check, Walnut Grove
Herman Paul Christopherson, Minne-
apolis
David Clarence Cordes, St. Paul
Donald John Curtis, St. Paul
Donald Lynn Cutshall, Rochester
Robert Edward Devoy, Minneapolis
Alan Lewis Eliason, Lindstrom
Thomas Roger Fulkerson, Minneapolis
David Eugene Geske, Jr., St. Paul

Charles Edward Gorgen, Excelsior
Dennis Dale Gorman, A.A., Lake
Elmo
William Arthur Griswold, Jr., Albert
Lea
Luis Jesus Guerra, Caracas, Venezuela
George Louis Halder, Bird Island
Alden Earl Hardwick, Delano, WITH
DISTINCTION
Jerome John Hatch, Anoka
Gerald Loren Helgeson, A.A., Racine
Roland Harold Isaacson, B.Ag.E.,
Kimball
Bruce Kenneth Johnson, St. Paul
Kenneth William Johnson, Duluth
Lawrence Brandt Kallevig, Eveleth
Gordon Lyle Kelling, Otisco
Robert Allyn Kierlin, Winona
Joseph Kollarits, Narda, Hungary
Melvin James Koski, Aurora, WITH
DISTINCTION
James Lawrence LaClare, Minne-
apolis, WITH DISTINCTION
Thomas Russell Laitala, Richfield,
WITH DISTINCTION

Dennis Allen Larson, Cambridge
 Robert Bradburn Love, Littlefork
 Denis Mark Madden, Minneapolis
*Virgil Alan Marple, Wendell, WITH
 DISTINCTION*
 Dennis Wayne Mickelson, Minne-
 apolis
 Roger Ernest Miller, Lake Wilson
 Roger Rehfeld Moulton, Stillwater
 Daryl David Nagel, Arlington
 Roger Merlin Nelson, Minneapolis
 Marvin Eric Nyberg, Bloomington
 Robert Earle Palmquist, Duluth
 Darrell Martin Petersen, Farmington
 Edward Thomas Porter, Jr., Minne-
 apolis

David Victor Rupp, Caledonia
 Giles Maxon Schartau, Rochester
 James Ross Sherer, Robbinsdale
 Dale Rollin Smith, Minneapolis
 Patrick Joseph Starr, St. Paul
 Gabor John Stein, Hungary
 Alexander G. Temple, Crosby
 Richard Henry Ulring, St. Paul
 Robert George Witherow, Grand
 Rapids
 Robert William Youngward, Minne-
 apolis
 Roy Patton Zeman, B.Met.E., St. Paul
 Larry Dean Zolnosky, Owatonna

Bachelor of Metallurgical Engineering

Alan Arthur Anderson, South St. Paul
 Clarence Cornell Anderson, Crosby
 Conrad Jay Hansen, Minneapolis
 Augustus J. Hipp, LL.B., St. Paul

Bachelor of Metallurgy

Larry John Johnson, A.A., Dodge
 Center, WITH DISTINCTION
 John Frederick Kittell, Richfield
 Eugene Dale Seaton, Hibbing

Bachelor of Mining Engineering

Arne Arnold Saari, Minneapolis

Bachelor of Physics

Richard Thurber Armstrong, Mound
 Arthur Henry Bauer, New Munich
*James Irving Berg, Minneapolis, WITH
 DISTINCTION*
 Jay Ward Christiansen, St. Louis Park
 Barton Joseph Cooper, St. Paul
*Leon Roger Edwards, New Ulm, WITH
 DISTINCTION*
 Larry Wayne Finger, Walnut Grove
*Robert Wayne Goodwin, Minneapolis,
 WITH HIGH DISTINCTION*
*John Richard Hobart, Richfield, WITH
 DISTINCTION*
 Donald Clarence Johnson, Minne-
 apolis
*Roger Iner Johnson, Minneapolis,
 WITH DISTINCTION*
 Albert Kamensky, Minneapolis
*Sheldon Howard King, Minneapolis,
 WITH DISTINCTION*
*Ronald Stuart Lazarus, Minneapolis,
 WITH DISTINCTION*
 John Marvin Linnerson, Carver
 Stanley Jerome Opseth, Bloomington
 Richard Don Platte, Santa Barbara,
 Calif.
 David Alan Reid, St. Paul
*Richard Emil Rein, Minneapolis,
 WITH DISTINCTION*

<p>Lloyd Leslie Roberts, Mankato, WITH DISTINCTION</p> <p>James William Schmoker, St. Paul, WITH HIGH DISTINCTION</p> <p>Darwin Howard Slindee, A.A., Austin</p> <p>Ralph Douglas Sorum, Lanesboro</p>	<p>Max Stuetzer, Hopkins, WITH DISTINCTION</p> <p>Ronald Edwin Toews, Wadena</p> <p>Gary Thomas Witzke, Rochester, WITH DISTINCTION</p>
--	---

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

Bachelor of Science

<p>James Roger Allison, St. Paul, Agriculture</p> <p>Daniel Francis Amell, West St. Paul, Forestry</p> <p>Karen Lee Anderson, Minneapolis, Home Economics, WITH DISTINCTION</p> <p>Philip Bernhard Aus, St. Paul, Forestry</p> <p>Wendell Gillette Beardsley, Stillwater, Forestry, WITH DISTINCTION</p> <p>Melvin Edwin Chase, A.A., Rochester, Forestry</p> <p>Wayne LeRoy Crowe, Hartland, Agriculture</p> <p>Myrland James Dahl, Minneapolis, Agriculture</p> <p>Wade Arthur Dahlen, Robbinsdale, Forestry</p> <p>David Arthur Dehler, St. Paul, Agriculture</p> <p>Donna Ilene Doering, Austin, Home Economics</p> <p>Thomas Vern Dyorak, Minneapolis, Forestry</p> <p>Dennis Jerome Emmer, Forest Lake, Agriculture</p> <p>Harriet Jolene Ewing, Anoka, Home Economics</p> <p>Samuel Butman Ferguson, Jr., St. Paul, Agriculture</p> <p>Joyce Lenore Freeman, St. Paul, Home Economics</p> <p>Elmer Albert Frobon, Minneapolis, Agriculture</p> <p>Dexter David Fuller, Robbinsdale, Agriculture</p>	<p>Wayne Lyman Gibson, Owatonna, Forestry, WITH DISTINCTION</p> <p>John Janis Grotans, Jekabpils, Latvia, Forestry</p> <p>Deane Edgar Haack, A.A., Stewartville, Forestry</p> <p>Effie Anne Hewitt Hacklander, Tracy, Home Economics</p> <p>Adrian Ellsworth Hagen, Whitehall, Wis., Forestry, WITH DISTINCTION</p> <p>Gene Arthur Hanks, Winnebago, Agriculture</p> <p>Betty Ruth Harms, Clara City, Home Economics</p> <p>Allan James Harris, Willmar, Agriculture</p> <p>Richard Lewis Hassinger, Duluth, Agriculture</p> <p>James Arthur Hastings, Osseo, Forestry</p> <p>John Stanley Hawkinson, Worthington, Agriculture</p> <p>Keith Curtis Hawton, Redwood Falls, Agriculture</p> <p>Hugh Wilson Hayes, Stanley, Wis., Forestry</p> <p>Timothy Paul Heisler, Park Falls, Wis., Forestry, WITH DISTINCTION</p> <p>Dean Alvin Holasek, Hopkins, Agriculture</p> <p>Diane Maxine Holmen, St. Paul, Home Economics</p> <p>Ann Carole Horswell, Fairmont, Home Economics</p> <p>Dorothy Ann Howard, Rochester, Home Economics</p>
--	--

- Judith Ann Humphrey, St. Paul,
Home Economics, WITH DISTINCTION
- Joseph Lee Hurley, Minneapolis,
Forestry
- Janet Louise Hurst, Albert Lea, Home
Economics
- Donald Francis Husnik, Hugo, Agri-
culture
- James Everett Jacobson, Minneapolis,
Forestry, WITH DISTINCTION
- Marlyn Chester Jacobson, Kandiyohi,
Agriculture
- Milton Allen Jacobson, Dennison,
Agriculture
- Martine Bakken Jansen, Belle Plaine,
Home Economics
- Barry Engh Johnson, Minneapolis,
Forestry
- Gary Everett Johnson, Winnebago,
Forestry
- Harold James Johnson, Hallock,
Forestry
- Sandra Diane Johnson, Minneapolis,
Home Economics
- Larry LeRoy Kirkwold, Starbuck,
Forestry
- Richard William Klukas, St. Paul,
Forestry, WITH DISTINCTION
- William Peter Knoll, Stephen, Agri-
culture
- Ronald Dale Knutson, Montevideo,
Agriculture
- Donald Richard Koenigs, Fairmont,
Forestry
- Joel Edwin Koopman, Hendricks,
Agriculture
- Jeffrey Frank Kovach, South St. Paul,
Forestry
- Frank Jacob Kreidermacher, Minne-
iska, Agriculture
- Virginia Ann Lang, Milwaukee, Wis.,
Home Economics
- Douglas Warren Larson, Alexandria,
Forestry, WITH HIGH DISTINCTION
- Stanley Robert Larson, Rushford,
Agriculture
- Elizabeth Anne Lewis, Vista, Calif.,
Agriculture
- Kristina Mary Markus, St. Paul, Home
Economics, WITH DISTINCTION
- Richard Harlan Martin, Excelsior,
Forestry
- Bruce Arnold Marzolf, Preston, Agri-
culture
- Robert Melvin Mattson, Prior Lake,
Agriculture
- Ivan Dwayne Miller, Duluth, Forestry
- James Allan Mohler, Staples, Forestry
- Donald Theodore Myren, Baldwin,
Wis., Forestry
- Ralph Eino Niemi, Kettle River,
Forestry
- Michael William Norman, Minne-
apolis, Forestry
- Jan Albert Nosker, Minneapolis,
Forestry
- Paul Francis O'Connell, New Prague,
Agriculture
- Donna Mae Olson, Minneapolis,
Home Economics
- Glenn Franklin Oster, Belle Plaine,
Agriculture
- Robert Edward Panek, St. Paul,
Forestry
- Mary Anne Peterson, Canby, Home
Economics
- Hilman Charles Ratsch, A.A., Roches-
ter, Forestry
- Lawrence Ross Revier, Waubun,
Forestry
- Darryl Walter Rosenthal, Waseca,
Agriculture
- Dean LeRoy Sather, Madison, Agri-
culture
- Leland Bruce Schaar, Deer River,
Forestry, WITH DISTINCTION
- Martin William Schipporeit, Le
Sueur, Agriculture
- Joel Frank Schrock, Preston, Agri-
culture
- Theodore Wayne Schwenker, Burling-
ton, Iowa, Forestry
- Carolyn Irene Scoggins, Charlotte,
N.C., Home Economics
- Glen Richard Shirley, Minneapolis,
Agriculture
- Duane Manfred Shodeen, Upsala,
Agriculture
- Bernard LeRoy Skrivseth, Minne-
apolis, Forestry

Donald Peter Snustad, Guthrie, Agriculture, WITH HIGH DISTINCTION
Robert Emil Sprenger, Plainview, Agriculture
Joan Marie Stacy, Minneapolis, Home Economics
LeRoy Wesley Stark, Kensington, Agriculture
Leo Clement Stellpflug, A.A., Rochester, Agriculture
Robert Henry Strand, Bemidji, Forestry
Wallace Harold Swanson, Jr., Minneapolis, Forestry
Louis Steven Swenson, Minneapolis, Agriculture
Ronald Eugene Tamke, Ada, Agriculture
Mary Elizabeth Thimell, Minneapolis, Home Economics
William Daniel Torgersen, St. Paul, Forestry
Joan Lienemann Vomhof, Sibley, Iowa, Home Economics
Robert Lewis Warner, North Redwood, Agriculture, WITH DISTINCTION
Jerald Samuel Warren, St. Louis Park, Forestry
Robert Andrew Westling, Minneapolis, Forestry
Clifford Robert White, Aurora, Agriculture
Robert Verne Withrow, Mahanomen, Forestry
Robert Lee Wright, Minneapolis, Agriculture
Barbara Lee Younggren, Hallock, Home Economics
Francis John Yurczyk, St. Joseph, Forestry
Gerald Wayne Zamber, Bruce, Wis., Forestry, WITH DISTINCTION
Maurice Bruce Ziegler, Dassel, Forestry, WITH DISTINCTION

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

Bachelor of Science

Eugene Lawrence Anderson, Rush City, Agricultural Education, WITH DISTINCTION
Glenda Marie Anderson, Braham, Home Economics Education
Nancy Karen Anderson, Virginia, Home Economics Education, WITH DISTINCTION
Donald George Barber, Le Roy, Agricultural Education
Erna Elaine Barstad, Slayton, Home Economics Education, WITH HIGH DISTINCTION
Barbara Gayle Blaud, St. Paul, Home Economics Education
Sally Ann Bruer, Minneapolis, Home Economics Education
Lily Dianne Carlson, McIntosh, Home Economics Education
John Francis Carlsted, Dassel, Agricultural Education
Karen Ann Day, Randolph, Home Economics Education
Dianne Marlene Eichstadt, Sanborn, Home Economics Education
Emilie Rae Fallstrom, Buhl, Home Economics Education, WITH HIGH DISTINCTION
Karen Ann Fausch, Morristown, Home Economics Education, WITH DISTINCTION
Ruth Mae Gamache, Minneapolis, Home Economics Education
Julia Amelia Gerber, Ortonville, Home Economics Education
Judith Ann Hamann, Lake Park, Iowa, Home Economics Education, WITH DISTINCTION

- Luella May Phipps Jacobson, Winnebago, Home Economics Education
 Judith Marilyn Johnson, Chokio, Home Economics Education, WITH DISTINCTION
 Marcia Mae Kendall, St. Louis Park, Home Economics Education
 Elsie Mae Klapperich, Aitkin, Home Economics Education
 Robert Elwyn Krcil, Glencoe, Agricultural Education
 James Franklin Larson, Grove City, Agricultural Education
 Gary Warren Leske, Buffalo Lake, Agricultural Education, WITH HIGH DISTINCTION
 Betty Lou Manguson, Tracy, Home Economics Education
 Susan Jane Manthey, Minneapolis, Home Economics Education
 Patricia Ann Martinson, St. Paul, Home Economics Education
 Sharon Rae Megaw, Delavan, Home Economics Education
 Marlen Fredrick Miller, Pine City, Agricultural Education
 Ambrose H. Moenedick, Perham, Agricultural Education
 Lois Ann Mueller, Stillwater, Home Economics Education
 Everett Jesse Nash, Alden, Agricultural Education
 Bernard Emil Nelson, Clearbrook, Agricultural Education
 Elizabeth Charlotte Norman, Faribault, Home Economics Education
 Karen Esther Olsen, Minneapolis, Home Economics Education
 Carolyn Louise Ousdigian, Minneapolis, Home Economics Education
 Diane Jean Palmer, Minneapolis, Home Economics Education, WITH HIGH DISTINCTION
 Ross Victor Petersen, Alden, Agricultural Education
 Maurine Ann Quale, Rushford, Home Economics Education
 Joan Yvonne Reineke, Faribault, Home Economics Education, WITH DISTINCTION
 Carol Ann Schjelderup, Plummer, Home Economics Education
 Janet Roberta Stark, Kensington, Home Economics Education
 Kenneth Ray Stenzel, New Richland, Agricultural Education, WITH DISTINCTION
 LeRoy Franklin Swanson, Rochester, Agricultural Education
 Leland Clarence Thiesen, Lake Park, Iowa, Agricultural Education
 Judith May Unze, Minneapolis, Home Economics Education
 Carolyn Hathaway Wax, Minneapolis, Home Economics Education, WITH DISTINCTION
 Janice Kay Welti, Plainview, Home Economics Education
 David Arnold Williams, Taylors Falls, Agricultural Education
 Leo John Wirth, Bertha, Agricultural Education
 Jerry Lee Zeller, Alden, Agricultural Education

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

Bachelor of Agricultural Business Administration

John Frederick Campe, Fairmont
 David Lee Cole, St. Paul, WITH DISTINCTION

Paul Dwight Velde, Granite Falls

COLLEGE OF EDUCATION

Bachelor of Science

- Bonita Joy Elton Abrahams, Roscau
David Kurt Abrahamson, Minneapolis,
WITH DISTINCTION
Judith Louise Allen, St. Paul
Gail Susan Amunson, Mondovi, Wis.,
WITH DISTINCTION
Carol Jean Anderson, Minneapolis
Gloria Jean Thompson Anderson, Du-
luth, WITH DISTINCTION
James Richard Andrews, A.M.S., Min-
neapolis, WITH DISTINCTION
Terry Genevieve Andrews, Minne-
apolis
Jo Ann Viner Arenson, St. Paul, WITH
DISTINCTION
Nadine Joycelyn Arnold, Spring
Valley
Susan Patricia Hallcen Awes, Lake
City
Marjory Janet Axness, St. Paul
Marsha Jeri Banen, Hibbing
Judie Anne Barke, A.A., St. Paul
Diane Carole Barry, Minneapolis
Marie Ann Barsness, Minneapolis
Mary Ann Bayless, Webster, Wis.
Sharon Lea Bengtson, Dassel
Phyllis Veona Benson, Cook*
Valerie Janet Bentley, Chicago, Ill.
Beverly Elaine Berg, Minneapolis,
WITH DISTINCTION
Diane Lee Berglund, St. Paul
David Gary Bergquist, Minneapolis,
WITH DISTINCTION
Joanne Nelson Bergseng, Minneapolis
Sheila Ann Berman, Minneapolis,
WITH DISTINCTION
Sharon Lois Bigalke, St. Louis Park
Mary Ann Birmingham, Hastings,
WITH DISTINCTION*
Tamara Neren Birnberg, St. Paul
Frances Ann Bloom, St. Paul
Robert Alan Board, Anoka
Gordon Wesley Boike, Clara City
Mary Louise Boraas, Madison, WITH
DISTINCTION
David Edward Bork, B.A., Hinckley
Diane Victoria Borowski, Minneapolis
Barbara Ann Boyer, Ada
John Edward Brandt, Minneapolis
Minnie Lee Bregman, Minneapolis
Nancy Jo Brewster, Windom
Karen Ruth Briescmeister, Minneapo-
lis, WITH HIGH DISTINCTION
Anna Mac Skarperud Broton, Minne-
apolis
Joseph Kenneth Brough, M.A.,
Rochester
Mary Ellen Elizabeth Brown, Minne-
apolis
Karen Lynn Brundin, Glenwood
John Matthew Bryant, Hibbing
Peter John Buchanan, Hopkins, WITH
DISTINCTION
Keith Durham Buckley, Minneapolis
Robert Erling Burtness, Calcedonia
Barbara Elaine Bush, Clara City
Duane Myron Bush, International
Falls, WITH DISTINCTION
Tom Buttrey, A.A., Toronto, Canada
Warren George Bystedt, Minneapolis
Lydene Elizabeth Bystrom, Excelsior
Kenneth Roger Carlson, Lake City,
WITH DISTINCTION
Virginia Dale Carlstrom, Minneapolis
Nancy Eugenia Carnahan, Kirkwood,
Mo., WITH DISTINCTION
Audrey Carr, Robbinsdale
James Ambrose Casey, St. Paul
Lois Elizabeth Dobak Champlin,
Excelsior
Kay Leone Chappell, B.A., Willmar
Jean Kathryn Chard, Willmar, WITH
HIGH DISTINCTION
Donald Joseph Charpentier, B.S.Ec.,
B.S.B., St. Paul
Ann Virginia Cheleeh, St. Louis Park
Eileen M. Jackson Chopp, St. Paul
Cynthia Carol Christopherson, Ben-
son, WITH DISTINCTION
Thomas Cimbura, St. Paul

* Nursing Education Curriculum

Mary Ruth Clawson, Minneapolis
 LeRoy Frank Clift, Minneapolis
 Edward William Cochran, B.A.,
 Grand Rapids
 Larry Lee Collins, Taylors Falls
 Gudren Olson Conny, B.A., Minne-
 apolis
Daniel Emanuel Conrad, Minneapolis,
 WITH DISTINCTION
 John Kimball Cook, St. Paul
Dianne Carla Corazza, Minneapolis,
 WITH HIGH DISTINCTION
 Maureen Mary Corcoran, Stillwater
 Jennifer Ann Costa, St. Paul
 Marilce Cottington, Crystal Lake,
 Iowa
Linda Jane Crawford, St. Paul, WITH
 DISTINCTION
 Barbara Ann Crist, Minneapolis
 Nancy Susan Crouch, Winona
Patricia Georgene Currie, Minneapolis,
 WITH DISTINCTION
 Marion Joyce Rudie Curry, Minne-
 apolis
 Sharron Naomi Curtiss, A.L.A.,
 Bloomington
 Roger William Cuthbertson, Minne-
 apolis
Sandra Ruth Damkroger, St. Paul,
 WITH DISTINCTION
 Aloa Darleen Darrah, Minneapolis,
 WITH DISTINCTION
 Nathan Carlyle Davies, Jr., Minne-
 apolis
 John Patrick Delahanty, B.A., Minne-
 apolis
 Mary Elizabeth Delaney, B.A., M.S.,
 Springfield, Ill.
Patricia Grace Deline, Minneapolis,
 WITH HIGH DISTINCTION
Darlene Esther Dibbern, Luverne,
 WITH HIGH DISTINCTION
 Susan Ruth Johnson Diebold, St. Paul
 Carole Jean Dierke, Minneapolis
 Gwen Kay Domes, Blue Earth
Ruth Eloise Doney, Wood Lake,
 WITH DISTINCTION
Jane Marie Dorn, New Richland, WITH
 DISTINCTION
 David Irvin Dornfeld, B.E.E., Co-
 lumbia Heights

Mary Kathryn Dossett, Waite Park,
 WITH DISTINCTION
 Mary Ann Dunlap, Austin
 Rochelle Duzan, Minneapolis
 Sherrett Mary Dyjak, Minneapolis
 Ernest Daniel Eckberg, B.A., Edina
 Jo Lynn Edberg, St. Paul
Donald Henry Ehlen, Minneapolis,
 WITH DISTINCTION
 Marvin Dean Eid, Gary
 Susan Eiken, Montevideo
 Marjorie Ann Ekstrom, Minneapolis
 Kenneth Robert Ellis, B.A., Minne-
 apolis
Mary Marjorie Enestvedt, St. Louis
Park, WITH DISTINCTION
Joyce Mary Erdman, Minneapolis,
 WITH DISTINCTION
 Beatrice Elaine Kallberg Erickson,
 Minneapolis
 Carol Ann Erickson, Minneapolis
Virginia Ethelyn Etem, Minneapolis,
 WITH DISTINCTION
 Thomas Michael Farrell, Minneapolis
 Janet Susan Fawcett, Kokomo, Ind.
Janet Maxine Feldman, Duluth, WITH
 DISTINCTION
 Karen Nelson Fillenworth, Minne-
 apolis
Marilyn Ann Solheim Fisher, Minne-
apolis, WITH HIGH DISTINCTION
 Harold Phillip Flaaten, Brainerd
Patricia Ann Flynn, Stillwater, WITH
 DISTINCTION
 Shirley Lee Preston Foerster, Minne-
 apolis
 Carole Jean Folwick, Minneapolis
 Susan Ann Forkenbrock, Thief River
 Falls
 Ann Louise Forseman, A.A., Minne-
 apolis
 Nancy Katherine Foss, St. Louis Park
 Jane Northrup Fralick, Hopkins
 Ethel Chane Frisch, Minneapolis
 Virginia Ann Fry, Black River Falls,
 Wis.
 Barbara Jean Galazen, Minneapolis
 Bruce John Gall, Minneapolis
 Elizabeth Ida Geyer, Bloomington
 Robert Philip Giguere, Minneapolis

Ann Marie Gilland, Sleepy Eye, WITH
 HIGH DISTINCTION
 Margery Ruth Gluck, Highland Park,
 Ill.
 Jeanne Olson Goemer, St. Louis Park
 Ralph Jerome Golberg, Duluth
 Lois Ellen Golobich, Ely, WITH DIS-
 TINATION
 Mary Beth Gower, McLeansboro, Ill.
 Diane Mary Rossini Gramstad, Min-
 neapolis
 John Bruce Gregoire, Murdock
 Edith Jane Gregor, Minneapolis
 Sharon Lee Grenz, Mobridge, S.D.,
 WITH DISTINCTION
 Marcia Ann Gripple, St. Paul
 Shirley Elaine Braasch Gronholm,
 Minneapolis
 Robert Paul Grossmann, St. Paul
 Barbara Ann Grover, Minneapolis
 Elizabeth Marie Guiney, Austin
 Carol Marie Gustafson, Minneapolis,
 WITH HIGH DISTINCTION
 Carol Ruth Gustafson, North St. Paul,
 WITH DISTINCTION
 Janet RaeAnn Gustafson, Duluth
 LeRoy Patrick Hale, Minneapolis
 Carole Dorothy Hallen, St. Paul
 Bruce Earl Hammond, Rochester
 Judith Ann Hammond, St. Paul
 Doris Mae Hansen, St. Paul
 Michael John Hansen, A.A., Minne-
 apolis
 Donna Marolee Hanson, Clear Lake,
 S.D.
 Gerald Thomas Hanson, Blooming
 Prairie
 Lois Ann Hanson, Blue Earth
 Richard Cannon Harmon, Maplewood
 Ethel Nord Harris, Minneapolis
 Luann Harvey, Minneapolis
 Larry Lee Hatfield, Ortonville
 Barbara Ann Hauger, Baudette, WITH
 DISTINCTION
 Mary Margaret Havnish, Minneapolis
 Patricia Louise Hawley, Minneapolis
 Mary Colleen Quirk Healy, B.A., Min-
 neapolis
 Cynthia Kay Heath, Wells, WITH
 DISTINCTION
 Karla Marie Heckrich, Minneapolis,
 WITH DISTINCTION
 Marvin Earl Hegle, A.A., Minneapolis
 Michael Anne Hendon, Needham,
 Mass.
 Virginia Gayle Hendrickson, Minne-
 apolis
 Joan Marjorie Henes, Wayzata
 Nancy June Heng, Minneapolis
 Judith Helen Sandell Hengstler, Min-
 neapolis
 Deanna Mae Hessedal, Wanamingo
 Roger Arthur Hill, Minneapolis, WITH
 DISTINCTION
 Isobel Connolly Hilla, Minneapolis
 Athena Dascalos Hoag, Minneapolis
 Nancy Thye Holmberg, B.A., Dresser,
 Wis.
 Sally Ann Holstrom, Wayzata
 Patricia Jo Holtz, St. Louis Park
 John William Horstman, Maple Lake
 Mary Ann Hove, Coon Rapids
 Mary Eva Howland, Winthrop, WITH
 DISTINCTION
 Darlene Adele Hubbard, Minneapolis
 James Edward Hundley, St. Paul,
 WITH DISTINCTION
 Janet Ann Hunstad, Aberdeen, S.D.
 Carol Jean Speake Huntsinger, George,
 Iowa, WITH HIGH DISTINCTION
 Carolyn Svang Hurley, St. Paul
 Charlotte Dorothy Imm, Minneapolis
 Elizabeth Diane Isaacson, A.A.,
 Virginia
 Robert William Jackson, A.A., Ev-
 eleth, WITH DISTINCTION
 Karen Marie Jacobson, Minneapolis
 LuAnn Jacobson, St. Paul
 Betty Jean Jensen, Minneapolis
 Allan Leslic Johnson, Bloomington
 Dallas Dale Johnson, Cannon Falls
 Eloise Renette Johnson, St. Peter
 Fredric Matthew Johnson, Embarrass
 Gail Louise Johnson, St. Louis Park,
 WITH DISTINCTION
 Gloria Jean Johnson, Minneapolis
 Julianne Elise Johnson, Edina
 Kenneth Gregory Johnson, B.A., St.
 Paul

- Lorene Elizabeth Johnson, Minneapolis, WITH DISTINCTION
- Sandra Inger Jorgenson, Minneapolis
- Patrick Joseph Joyce, St. Paul
- David Richard Kahn, Minneapolis
- Joan Lucille Kaldahl, St. Paul*
- Helen Constance Kalland, Barrett
- Sandra Lee Kaplan, St. Paul
- Caroline Jeannette Keith, B.A., St. Louis Park
- William Charles Kennedy, Rochester
- Susan Elizabeth Kerr, A.A., Minneapolis, WITH DISTINCTION
- Caroline Ann Keys, St. Paul, WITH DISTINCTION
- Mary Agnes Killalea, Devils Lake, N.D.*
- Gary William Kiteley, Minneapolis, WITH HIGH DISTINCTION
- Dorothy Helene Klein, A.A., Brainerd
- Robert James Knapp, B.A., M.S., Swatara
- Beverly Marie Krueger, St. Louis Park
- Frances Goellert Kueffner, St. Paul
- Joyce Estelle Kundert, Minneapolis
- Joseph Lawrence LaBelle, A.A., Minneapolis
- Rosemary LaMothe, Hibbing
- Alyss Ann Lamson, White Bear Lake, WITH DISTINCTION
- Rosemary Frances Lang, Mound, WITH DISTINCTION
- Barbara Jean Larson, St. Paul
- Bonnie Corinne Larson, Minneapolis
- Charles Urban Larson, Minneapolis
- Douglas Vern Larson, Minneapolis
- Karin Edith Larson, Minneapolis
- Roy Christy Larson, St. Paul
- William Arthur Larson, Minneapolis
- Marlys Yvonne Latterell, Kelliher
- Renee Ruth Latterell, Richfield
- Keith William Laumb, Blue Earth
- Sidnee Helen Lee, Fargo, N.D., WITH DISTINCTION
- Judy Kathleen Leemon, Columbia Heights
- Carol Ann Leininger, Minnesota Lake
- Diana Lee Levering, Long Lake, WITH DISTINCTION
- Jane Ann Levy, St. Paul, WITH DISTINCTION
- Nancy Jean Lies, St. Louis Park
- Barnis Norfolk Lilly, Lakeville
- Ardis Evelyn Lind, Robbinsdale, WITH DISTINCTION
- Charlotte Ann Lind, Duluth, WITH DISTINCTION
- Janet Dee Lindfors, Minneapolis, WITH DISTINCTION
- Carol Ann Lindholm, Gaylord
- Brendalee Berkman Litman, B.A., Minneapolis
- Gerald Lee Lizotte, Melrose
- Thomas Lester Loechler, Robbinsdale
- Barbara Helen Jeanette Love, Minneapolis
- Delores Ann Lunderberg, Minneapolis
- Mary Barbara Lundmark, G.D.H., Rice Lake, Wis.
- Alan Etlar Maas, Watertown
- Carol Ann Magnuson, Minneapolis
- Marie Ella Maland, B.A., Minneapolis
- Patricia Jean Malone, Bloomington
- Harry Alexander Marciniak, Thief River Falls
- Gayle Laya Marko, Minneapolis
- Shirley Darlene Markwardt, Grand Rapids
- Bernice Louise Martin, Minneapolis
- Ronald Rudolf Max, Morris
- Marsha Ann D. McBroom, Elk River
- Jane E. McCanney, Minneapolis
- Elizabeth McCarthy, Minneapolis
- Delores Helen McCaskill, Des Moines, Iowa*
- John Wilkes McDunnough, Minneapolis
- Corinne Marion McGinnis, Maple Plain, WITH DISTINCTION
- Lois Maryanne McGovern, Minneapolis
- Charles Earl McJilton, B.A., Helena, Mont.
- Jean Lee McKenzie, A.A., Virginia, WITH DISTINCTION
- Richard Alan McLean, Madelia
- Robert Lawrence McNeil, Ardmore, Pa.

* Nursing Education Curriculum

- Patricia Joanne McPhillips, Minneapolis
- Patricia Palecn Medchill, Minneapolis
- Cora Elizabeth Metz, Minneapolis
- Jean Ann Meuwissen, St. Paul
- Teresa Topic Meyer, Shakopee
- Eloise Moyer Micras, A.A., Rochester
- Richard Lee Miller, Rochester
- Karen Mathea Moe, Hutchinson
- Carl Flagstad Moore, B.A., LL.B.,
Minneapolis
- Susan Mary Moormann, Minneapolis
- Anne Morgan, A.A., Austin, WITH
HIGH DISTINCTION
- Marilynn Ruth Moritz, Minneapolis
- Mary Jane Myers, St. Paul
- Betty Esther Nelson, Ironton
- Gail Marie Nelson, St. Louis Park
- Georgia Ellen Nelson, Osakis, WITH
DISTINCTION
- Janice Heron Nelson, B.A., Minne-
apolis
- Judith Ann Nemece, B.A. cum laude,
Minneapolis
- Kay Sharon Twite Nissalke, Stewart
- Lois Lillian Nordby, Minneapolis
- Mary Ann Noreus, Cloquet
- Karen Marie Norman, Minneapolis
- Audrey Ruth Presho Numberger,
Minneapolis
- Carol Jean Nyquist, Minneapolis
- John Douglas O'Brien, Jr., B.A.,
Hopkins
- Jacquelyn Teresa Muhonen Olsen,
Minneapolis, WITH HIGH DISTINC-
TION
- Barbara Ann Olson, Minneapolis
- Daniel Blade Olson, Minneapolis
- Dianne Marie Olson, St. Paul
- Helen Marie Olson, St. Paul
- Judith Ann Olson, Minneapolis
- Judith Ann Olson, Minneapolis
- Kathleen Ann Olson, Richfield
- Janes Sheldon Orndal, Minneapolis,
WITH DISTINCTION
- Joseph Cooke Orndos, Minneapolis
- Ruth Elizabeth Mattson Orsoid, St.
Paul, WITH DISTINCTION
- Mary Ann Ost, Minneapolis
- Janice Marie Overland, B.A., Mabel
Lucille Ann Overstreet, Minneapolis,
WITH DISTINCTION
- Patricia Elaine Palm, Minneapolis
- Roger Lyle Paquin, Faribault
- Daniel Patrick, A.A., St. Paul
- Roxanne Elizabeth Pearson, Minne-
apolis
- Marilyn Perlman, St. Paul
- Henry Ingvar Persson, Minneapolis,
WITH DISTINCTION
- Garnett Anine Petersen, Humboldt,
Iowa*
- Barbara Thompson Peterson, St. Paul,
WITH DISTINCTION
- David Alan Peterson, Sauk Centre,
WITH DISTINCTION
- Myrna Madeline Peterson, Minne-
apolis
- Sue Plager, Austin
- Margaret Martha Pletsch, South St.
Paul
- Meredith Picha Poland, Hopkins
- Lois Ann Potzler, Olivia
- Karen Kay Poulson, Watertown, S.D.
- Mary Katherine Pozzini, A.L.A., Still-
water
- Eleonore Gertrud Raske, Minneapolis
- Adrienne Brown Ravitz, St. Paul
- Delores Yvonne Reavis, Minneapolis
- Mary Ann Regan, Minneapolis
- Anita Rae Tilbury Reisdorfer, Marshall
- Carla Maxine Kern Rekstad, B.A., St.
Paul
- Rose Elizabeth Resch, Minneapolis,
WITH DISTINCTION
- Margaret Decker Retica, Hibbing
- Mary Virginia Rice, St. Paul
- Noel David Robinson, Rush City
- Michael Jerome Rockler, B.A., Minne-
apolis
- Barbara Lee Roddis, Rochester
- Jane Carolyn Rohrer, Marshall, WITH
HIGH DISTINCTION
- Muriel Lois Rollefson, Minneapolis
- Shirley Irene Ross, Minneapolis
- Richard Orlando Rue, B.Phys.,
Willmar

* Nursing Education Curriculum

Maralynn Kay Rye, Blooming Prairie,
 WITH DISTINCTION
Lynda Lee Sabourin, Edina
Vera Maria Schellenberg, Minneapolis
Patricia Marie Schiel, Minneapolis
Pearl Kroll Mark Schmidt, Minne-
apolis
John Dennis Schroeder, Wascea
Tamara Schtowchan, Mahtomedi
Donald D. Schultz, St. Paul, WITH
 DISTINCTION
Marcia Schwartz, Minneapolis, WITH
 DISTINCTION
Philip David Schwarz, Vernon Center,
 WITH HIGH DISTINCTION
Joyce Mary Scaberg, Minneapolis
Constance Mac Shaller, St. Paul
Ted Cooke Shirley, Minneapolis
Mary Jean Shoop, A.A., Austin, WITH
 DISTINCTION
Constance Pearson Silkett, Coon
Rapids
Samuel Stephen Sivanich, Minne-
apolis
Richard Loring Slade, Minneapolis
Mary Josephine Smidell, Minneapolis
Everett Leroy Smith, Jr., Minneapolis
Helen Glisky Smith, St. Paul
John Trent Smith, Forest Lake, WITH
 DISTINCTION
Patricia Eleanor Anderson Smith,
Minneapolis, WITH DISTINCTION
Janet Irene Solberg, Minneapolis,
 WITH HIGH DISTINCTION
Carol Irene Solomonson, Minneapolis
Patricia Marie Solstad, Wayzata
James Leo Spartz, Adrian
Ruby Morse Spaulding, Edina
Suzanne Olivia Spicer, St. Paul
Sharon LaVon Squibb, Redwood Falls,
 WITH HIGH DISTINCTION
Janet Anita Staley, Britt
Richard Farrand Stanford, St. Paul
Vance Chris Stanoff, Hibbing
Charles Theodore Stephens, B.A.,
Minneapolis
Judith Lee Stern, Milwaukee, Wis.,
 WITH HIGH DISTINCTION
Janice Mary Sternal, Minneapolis
Shirley Marilyn Stillman, Hopkins
Paul David Stoffer, Rochester

Carole Evelyn Stolpestad, B.A., St.
Paul
Sandra Stouidt, Aberdeen, S.D.
Suzanne Beddor Strother, Minneapo-
lis, WITH DISTINCTION
Judith Karen Stuart, St. Paul
Mary Alice Supple, Minneapolis
Andrea Louise Surge, A.A., Buhl
Jarold Edwin Swedberg, Aitkin
Arthur Newton Tarr, Jr., Gloucester,
Mass.
Janice Carine H. Taylor, Glenwood
James Harold ten Bensel, Minneapolis
Esther Marlene Tenenholtz, St. Paul,
 WITH DISTINCTION
Elfi Von Mende Terp, Gothenhafen,
Germany
Joseph Alois Theis, Chaska
Elaine Mary Theisen, Minneapolis
James Arthur Thole, Fletcher
Phyllis Hubbard Thornley, B.A., St.
Louis Park
Joanne Marie Foster Thorson, Minne-
apolis
Sharalyn Kay Treichel, Cambridge
Ellen Marie Utne Trehwella, B.A.,
Richfield
Mitchell David Trockman, Minne-
apolis
Carol Ann Trygstad, Sioux Falls, S.D.
David Duane Twombly, Brainerd
Deanna Dorothy Uecker, South Haven
Katherine Mary Underwood, Roches-
ter, WITH DISTINCTION
Lucy Ann Vallera, West Hartford,
Conn.
Vivan Grace Van Valkenburg, Long
Prairie, WITH DISTINCTION
Warren Lee Vickers, A.A., Minne-
apolis, WITH DISTINCTION
Margaret Ann Vihstadt, Mankato
Marlys Ann Waataja, St. Louis Park
Robert Gary Walker, Bloomington
Susan Kay Ward, Albert Lea
Beverly Jean Watts, St. Louis Park
Daniel Levern Wetterstrom, St. Paul
Mary Theodora White, Winona
Marlyce Linda Wimmer, Minneapolis
Virginia Webb Witt, B.A., Minne-
apolis
Linda Lee Wyman, Trimont

Milford Gilbert Yager, B.A., Mont-
rose
Charlotte Ann Yost, Minneapolis
Maria Antonia Zauner, St. Paul

Dorothy Swanson Zeller, Pine Island
Carolyn Dian Zobitz, Chisholm
*Patricia Ruth Zoutelli, Crosby, WITH
DISTINCTION*

Master of Education

John Martin Ludvigsen, B.S., Bloom-
ington
Eugene Richard Palm, B.S., Minne-
apolis

Charles Robert Swanstrom, B.S.,
Bemidji
William Thomas Wasnick, B.S.,
Montevideo

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Bruce David Anderson, St. Paul
Quentin R. Carlson, Minneapolis
James Frederick Clark, St. Paul
Robert Thomas Dahl, St. Paul
James Clement Erdman, Minneapolis
Gary Duane Finkelson, Minneapolis
Robert Douglas Foster, Minneapolis
Ronald Lee Fredericksen, A.A., St.
Paul
Wayne Harold Heiser, Minneapolis
Erwin Theodore Jacobson, Moose
Lake

Wallace Eugene Jacobson, Albert Lea
Raymond Eugene Johnson, Anoka
Raymond Ernest Joyner, A.A., Min-
neapolis
Robert Eugene Lund, Aitkin
Alvin Roger Miller, Minneapolis
Edmund Joseph Nierowicz, St. Paul
Carl Frederick Rothausen, St. Paul
David Lee Schinke, Red Wing
Donald Robert Sletkolen, Minneapolis
Jerome Raymond Treise, St. Paul

Bachelor of Science in Business

Eugene Charles Altenburg, B.A.,
Owen, Wis.
*Bruce Kermit Anderson, Minneapolis,
WITH DISTINCTION*
Clifford Irving Anderson, Minneapolis
John William Anderson, St. Louis
Park
Roger Douglas Anderson, Minneapolis
Maynard Dale Apel, Onamia
Richard Alan Arndt, Minneapolis
Doris Irene Benson, St. Paul
James Lowell Bentsen, Minneapolis
James William Berkner, Mahanomen
*Frank Ronald Berman, Minneapolis,
WITH DISTINCTION*
Scott Lee Bertas, Minneapolis
William Layne Bird, Minneapolis

John Frederic Bjorklund, St. Paul
John Connolly Bowman, Rapid City,
S.D.
Clinton LeRoy Braun, Le Center
Judith Ann Buetow, St. Paul
Robert Earl Campbell, Madelia
Thomas James Carey, Jr., Virginia
Dennis Neil Carlson, St. Louis Park
James Wilfred Carlson, Springfield
Robert Nels Carlson, Minneapolis
Vergil William Carlson, Lake Bronson
Gordon Brooks Carlton, St. Paul
David Lee Chandler, Deer River
David Ira Chesler, Minneapolis
John Parker Coates, A.A., Minneapolis
Ernest John Costello, West St. Paul
Karl Saboe Cropsey, South St. Paul

Richard Donald Cunningham, Minneapolis

James Ralph Danelski, Minneapolis

Gerald Franklin Dion, Minneapolis

Raymond Edward Dropik, St. Paul

Curtis Mansfield Duinick, Prinsburg

Robert Arthur Erickson, St. Louis Park

James Bernard Fogelberg, St. Paul,
WITH DISTINCTION

Jeffrey Raymond Foster, Roseville

John Hoyt Foucault, Hibbing

James Cornelius Furber, Minneapolis

John Vernon Gable, Minneapolis

Gerald Leon Gorski, Minneapolis,
WITH DISTINCTION

Thomas Allan Gruber, Minneapolis

John Paul Hake, Minneapolis

Knute Wefald Hammel, Minneapolis

David Kenneth Hamry, Minneapolis,
WITH HIGH DISTINCTION

Thomas Herbert Healey, Golden

Valley

Donald Duane Helin, Minneapolis

Sharon Lee Higgins, St. Paul

Dean William Hilken, Trimont

Robert William Hjort, Foreston

Dellyn Darlow Hopp, Redwood Falls

Dean Leo Hough, Plover, Iowa

Laurence Burton Hughes, Worthington

Roger Dale Isenberg, Atwater

Gerald Laurence Johnson, St. Paul

Larry John Johnson, A.A., Dodge Center,
WITH DISTINCTION

Frederick Daniel Johnston, Minneapolis,
WITH DISTINCTION

William Herschel Kaufman, Minneapolis

John Matthew Kennedy, Lewiston

Wyman L. Ketterling, North St. Paul

Thomas John Klassen, DeGraff, WITH
DISTINCTION

Otto Bernard Klett, St. Paul, WITH
DISTINCTION

Richard Gary Kohnen, Robbinsdale

William John Kopp, Minneapolis

Charles John Koppa, Minneapolis

David Wendell Larson, Columbia Heights

Wayne Harold Larson, Hopkins

Richard Phillip Linnell, Minneapolis

Charles Stannard Lundberg, Taylors Falls

Stanley Howard Lundgaard, Beldenville, Wis.

Ronald Ray Madison, Brainerd

James Allen Manteufel, Truman

Richard Kirby Mathews, Minneapolis

Donald Lee Meck, St. Paul

James Raymond Miller, Minneapolis

Larry Erwin Miller, Minneapolis

Judson Twite Moller, St. Louis Park

John William Mugford, South St. Paul

George Lynn Myers, Mankato

Robert Lee Nesbit, St. Charles

Ronald John Nord, Elk River

Rodney Charles Oja, Squaw Lake

Clayton Wayne Oosterhuis, Mora

Thomas James Parish, Virginia

Jack Henry Park, Aitkin

Robert Alan Peoples, Fairmont

John Peter Pehoski, St. Paul

Sandra Lorann Person, Minneapolis

Penn Arthur Peters, Frederic, Wis.

Donald Louis Peterson, Minneapolis

William Halewood Plant, St. Paul

Lee Arthur Rau, Montevideo

James Floyd Redeske, Minneapolis

John Grant Rhode, Minneapolis

Robert Armstrong Rice, St. Paul

Douglas Patrick Roach, Minneapolis

Patrick Thomas Ryan, Minneapolis

Ronald Algert Sandquist, St. Paul

Richard James Sauers, Stillwater

Neil George Schlaeppi, Pine Island

Robert LeRoy Schmalz, Lester Prairie

George Melvin Shortley, Mound

Lawrence John Shustarich, Bovey

Robert Edward Smith, A.L.A., St. Paul,
WITH DISTINCTION

Stephen Curt Sommer, B.S. in Pharm.,
Minneapolis

Donald Henry Soukup, Owatonna

George Edwin Sundem, Redwood Falls

Jeffrey Paul Szalapski, St. Paul

John Edward Thomas, Grand Rapids

Gary Wayne Thompson, Minneapolis

James Bradford Tiffany, Minneapolis

Joanne Clare Tomczyk, Minneapolis

Charles G. Truzinski, St. Cloud
Arthur Edmund Vadnais, Minneapolis
Lawrence Stanley Vichl, St. Paul
Kenneth Duane Weiss, Minneapolis
Francis William Wentz, Houston,
WITH DISTINCTION

Robert Stanley Wernick, St. Louis
Park
Richard James Willis, A.A., Rochester
Joseph Monroe Yablonsky, Minne-
apolis

Bachelor of Science in Economics

Ralph Jay Anderson, St. Paul
Peter Henry Burkhardt, Plainview
William Louis Delaney, Minneapolis
Philip Lee Erickson, Eveleth
John Albert Foreman, St. Paul, WITH
HIGH DISTINCTION

John Phillip Husetli, Elbow Lake
John Herbert Martin, Minneapolis
Thomas A. Ries, Sleepy Eye
Dale Owen Solum, Spring Grove,
WITH DISTINCTION
Gerald Albert Wohlford, Minneapolis

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Lowell John Anderson, St. Paul
Barbara Ann Barnum, St. Paul
James Harry Benn, Sauk Rapids
Patrick Heuer Callahan, St. Paul
James Joseph Corrigan, St. Paul
Vernal Raymond Durand, Hayward,
Wis.

John Edward Fossen, Aitkin
Dennis Richard Frank, Minneapolis
Russell Day Hanover, International
Falls

Jerome George Herrmann, Lonsdale
Edward Martin Hohertz, A.A.,
Hopkins

James Robert Johnson, Isanti
Kent Thomas Johnson, Grand Rapids
Daniel Allen Kocchel, Waseca
Barry Michael Krelitz, Minneapolis

Wayne Nicholas Kuffel, St. Cloud
Lee Carl Martinson, Warren
Sandra Sutton Newhouse, St. Paul
Catherine Schroeder Putz, Minne-
apolis

Marjorie Ann Sather, Minneapolis
Lee Earl Schneider, St. Paul
Roger Dale Schroeder, Fergus Falls
Patricia M. Short, Slayton

Norman Elmer Sladek, Montgomery
Myung Soon Song, Seoul, Korea
Donald Roy Stephans, Rushford
Conrad Olav Thompson, Spring
Valley

Elizabeth Jane Uphoff, Minneapolis
James Otto Vollmar, Montgomery
Joel Burton Wimer, St. Louis Park
John Edward Woll, Rushford

LAW SCHOOL

Bachelor of Science in Law

Roger Louis Ellison, St. Paul
Edward Arthur Kutcher, Jr., Hopkins

David Allan Petersen, Robbinsdale

Bachelor of Laws

- James Lewis Alfveby, B.A., St. Paul
Thomas G. Amann, B.S., Mankato
Robert Joel Beugen, B.A., Minneapolis
Julius Francis Bonello, B.B.A., Minneapolis
Jerome Curren Briggs, B.S.L., Minneapolis
Tyrone Patrick Bujold, B.S., Duluth
Robert Vernon Campbell, B.A., Eveleth
Larry DeWitt Downing, B.S., Albert Lea
Roger Louis Ellison, St. Paul, CUM LAUDE
Curtis Duane Forslund, Minneapolis, MAGNA CUM LAUDE
Ernest A. E. Gellhorn, B.A., Edina, MAGNA CUM LAUDE
Norman Keith Gurstel, B.A., Minneapolis
William Edward Haugh, B.S., Easton
Henry John Hokenson, B.A., Minneapolis, CUM LAUDE
Kevin John Hughes, B.A., St. Cloud
LeRoy Warner Jackson, B.S.L., Minneapolis
Jerome R. Jallo, B.A., Minneapolis
Bruce R. S. Johnson, B.A., St. Paul
Charles Reed Kennedy, B.A., Wadena
Ivars Janis Krafts, B.A., Circle Pines
Edward Arthur Kutcher, Jr., Hopkins
Richard House Kyle, B.A., White Bear Lake, MAGNA CUM LAUDE
Norman J. Laboe, B.B.A., Minneapolis, MAGNA CUM LAUDE
Robert Bruce Lee, B.A., St. Paul
John James McGill, Jr., B.A., Duluth, CUM LAUDE
Grant Jewett Merritt, B.A., M.A., Duluth
Marvin Charles Midthun, B.A., Aitkin
Robert Munns, Elk River
Roger Allen Nurnberger, B.S.L., Minneapolis
Allen Lawrence Oleisky, B.A., Minneapolis
Lawrence Edward Olsen, B.A., Cambridge
David Allan Petersen, Robbinsdale
David Curtis Priebe, B.A., Balaton, CUM LAUDE
Richard John Rodney, B.A., Minneapolis
John Wendell Rogers, B.A., Wayzata
Robert Noel Roningen, B.A., Duluth
Paul Olea Salazar, B.A., Eloy, Ariz.
James Warren Soderberg, B.S., Minneapolis
Spencer James Sokolowski, B.B.A., Minneapolis
William L. Stege, B.A., Duluth
Michael Patrick Sullivan, B.S., Robbinsdale, MAGNA CUM LAUDE
Roger Roy Tamte, B.I.E., Worthington
David William Thurston, B.A., St. Paul
Ralph Harrington Tully, B.A., Hopkins
Sigurd Ueland, Jr., B.A., Shafer
Galen Claire Wilson, B.A., Appleton
Jack Marvin Winick, B.A., Des Moines, Iowa
Edgar Kent Yuccl, B.S., M.A., Minneapolis

COLLEGE OF VETERINARY MEDICINE

Bachelor of Science

- Wilhelm Paul Ramon Aanstad, St. Paul
James Lawrence Andrews, Shafer, WITH DISTINCTION
John Breiland, St. Paul
James Richard Claesgens, St. Cloud
Robert Dean Cleary, Sleepy Eye
Paul John Cox, D.V.M., Owatonna

Susan Mary Daniels, Chaska, WITH HIGH DISTINCTION
 Allen Eugene Ecklund, Askov
 David Allan Espeseth, Benson, WITH DISTINCTION
 Ronald Dale Ferguson, Minneapolis
 Dennis James Goltz, Marion, Wis., WITH DISTINCTION
 Robert Louis Hickman, Pine River, WITH DISTINCTION
 John Fredrick Hotvet, Minneapolis
 Donald Robert Janecek, West St. Paul
 Wesley Alexander Johnson, Jr., Minneapolis
 Kenneth G. Krueger, Dunnell
 Ronald Duane Kuccker, Hadley
 Florian Bernard Ledermann, Brandon
 Neil Sanford Levy, Milwaukee, Wis.
 Glen J. Loosbrock, Wilmont
 Kermit M. Lyngaas, Doran, WITH DISTINCTION
 James Roderick McLeod, St. Paul, WITH DISTINCTION

Harold Oscar Miller, Foley
 James Burton Moe, Hayfield, WITH DISTINCTION
 James Donald Mortimer, Belle Fourche, S.D.
 Geraldine Raymond Osterberg, St. Paul
 Gregory Jon Peterson, Minneapolis
 Duane Arthur Purtilo, Duluth
 Michael John Rasmussen, Hopkins
 Ronald Dean Ree, Montevideo
 Fleming Mansa Sandersen, Milwaukee, Wis.
 Wesley G. Schroeder, Bemidji
 Robert John Stukel, Jr., Minneapolis
 Stanley Loren Thompson, Luverne
 Jerome Gustav Eldrid Vestweber, Lakefield
 Russell Laverne Wambeam, Austin
 Howard Andrew Weyker, Belgium, Wis.

Doctor of Veterinary Medicine

John Frederick Anderson, B.S., Albert Lea
 Larry Dean Anderson, B.S., Bovey
 Wayne George Benstead, B.S., Darien, Wis.
 Robert Henry Busch, B.S., Battle Lake
 Donald Lee Coshun, B.S., Waukesha, Wis.
 Kenneth Frank Detlefsen, B.S., St. Paul
 Allen Eugene Ecklund, Askov
 Jerry Dean Hilgren, B.S., Parkers Prairie
 Larry O. Hovland, B.S., Moorhead
 Jerry Duane Jensen, B.S., Sioux Falls, S.D.
 Donald James Johnson, B.S., Forest Lake
 Wesley Alexander Johnson, Jr., Minneapolis
 Vernon Everett Knudson, B.S., Taylor, N.D.
 Charles Fredrick Kubesh, B.S., Olivia
 Clifford Paul Ling, B.S., Round Lake

Robert Paul Lohrenz, B.S. with distinction, Brownton
 Cameron Baker Mikkelsen, B.S., Devils Lake, N.D.
 Robert Alcuin Moen, B.S., Shooks
 Earl William Monson, B.S., Taylors Falls
 David James Morseth, B.A., Minneapolis
 Robert Charles Nelson, B.S., St. Paul
 Chris Henry Nissen, B.S., M.S., Lake Wilson
 Paul Lawrance Rolph, B.S., Hardwick
 Harry Stephen Rozmiarek, B.S., Pulaske, Wis.
 Fleming Mansa Sandersen, B.S., Milwaukee, Wis.
 Jerome Henry Schwartz, B.S., Danube
 Jacob William Sieck, B.S., Selby, S.D.
 Lawrence J. Sirinek, B.S., Chetek, Wis.
 Malcolm Herbert Smith, B.S., Granville, N.Y.
 Philip George Stevenson, B.S., Gheen

Forrest Glenn Thannum, B.S., Min-
neapolis
James Anthony Thelen, B.S., Park
Rapids

Charles Patrick Thompson, B.S.,
Corona, S.D.
John Victor Viren, B.A., Duluth

SCHOOL OF DENTISTRY

Graduate Dental Hygienist

Lee Ann Marilyn Aasen, Colton, S.D.
Carolyn Marie Agnew, St. Paul
Bonnie Loreli Benson, Sacred Heart
Nancy Louise Bloomquist, Rockford,
Ill.
Judith Marie Branch, A.L.A., Excelsior
Sandra Lucille Browne, Sheridan,
Wyo.
Sharon Theresa Cain, St. Paul
Judith Ann Coulter, Minneapolis
Natalie Ann Dillon, Minneapolis
Estelle Arlene Epstein, Sioux City,
Iowa
Donna Jean Eyre, Miles City, Mont.
Lynn Louise Falls, St. Paul
Judith Ann Gardner, A.L.A., St. Paul
Marilyn Joy Greenberg, A.L.A., St.
Paul
Diane Claire Haase, Faribault
Jacqueline Julia Johnson, Benson
Joyce Shirley Johnson, Minneapolis

Dorit Sue Kestler, Fort Meade, S.D.
Leslie Jeanne LaBore, Minneapolis
Gretchen Suzanne Lietzke, Sacred
Heart
Susan Elizabeth Lowe, Edina
Sydney Ann Lund, La Crosse, Wis.
Karen Nadine Meyer, Perham
Mary Frances Mingo, White Bear
Lake
Jayne Anne Myre, Richfield
Sandra Sue Nelson, Detroit Lakes
Karen Lee Olund, Excelsior
Carol Frances Paris, St. Paul
Judith Ellen Parrish, Minneapolis
Susan Carol Peck, Miles City, Mont.
Pamela Gay Potvin, Rochester
Jeanne Adaire Quittem, Minneapolis
Mary Margaret Rachac, Gaylord
Suzanne Marsha Rapps, Hopkins
Margo Ann Von De Linde, St. Paul

Bachelor of Science

John Drake Bangh, St. Louis Park
Douglas John Barfield, Minneapolis
John Charles Bengtson, Dassel
Sheldon Marvin Bernick, St. Paul
Robert Wilson Bjorndahl, B.A., St.
Paul
William Henry Brinkman, St. Paul
James Duncan Burbidge, Stanley,
N.D., WITH DISTINCTION
Fred Denny Carlson, Trimont
James Edwin Carlson, Alexandria
Melvin Eugene Dale, Mora, WITH
HIGH DISTINCTION
Roy John Enquist, Warren
James Roy Folske, Bowman, N.D.,
WITH DISTINCTION

Gary Luell Gage, Minneapolis
Thomas William Galleger, Devils
Lake, N.D.
Jeffrey Cheely Ganfield, St. Paul
Thomas Richard Gebeck, Minneapolis
Roger Henry Gerloff, LeRoy
Richard Wayne Gross, Luck, Wis.
Lawrence George Gunner, White
River, S.D.
James David Hera, Minneapolis
Mark Wilson Holmes, St. Paul
James Erling Indrehus, Minneapolis,
WITH DISTINCTION
Arthur David Jallo, Michigan, N.D.
David Francis Johnson, Sauk Centre

Dean Francis Johnson, D.V.M.,
Mankato
Roger Harvey Johnson, Eveleth
William Nicholas Kraft, Minneapolis
Richard Charles Lang, Paynesville
Vernon Arthur Larsen, Brainerd
Jary Jay Larson, Rochester
George Albert Le May, St. Paul, WITH
DISTINCTION
Harvey Liss, Minneapolis
Eugene Ernest Loya, Brainerd
Calvin Katsunori Macda, Wailuku,
Hawaii
Michael Anthony Neary, Minneapolis
Richard Gayus Ogle, Marshall
Ronald William Pflieger, Sturgis, S.D.,
WITH DISTINCTION
Dennis Stephen Phillips, Minne-
apolis
Richard James Poor, St. Paul
Vernon Lee Reardon, Medina, N.D.
Newton Nicholas Robinson, Biwabik
Eugene Hersh Scherling, Minneapolis
Ronald Paul Schmidt, Mt. Horeb,
Wis., WITH HIGH DISTINCTION
Richard Kermit Schock, A.A., Owa-
tonna

David Hedges Schroeder, A.A.,
Rochester
Dale B. Schultz, La Crescent
Richard Williamson Scott, Eau Claire,
Wis.
Fredrick Curtis Spies, B.A., Mayville,
N.D.
Joseph Peter Steiner, Minneapolis
Robert Emil Substad, Minneapolis
Ralph Dale Swenson, Robbinsdale
Dean Thomas Teusaw, Minneapolis
Robert Wayne Tjossem, A.A., Worth-
ington
Kenneth Wesley Torbert, B.A., Canis-
tota, S.D.
Terrance Lawrence Tri, Hastings,
WITH DISTINCTION
Herbert Neal Weisman, Minneapolis
William George Wilkowske, B.A.,
Owatonna
Norman Lyle Wolseth, Fargo, N.D.
William Julius Yock, Jr., St. James
Walter Marshall Zierman, Little Falls
John Henry Zimmer, Jr., Minneapolis,
WITH DISTINCTION

Doctor of Dental Surgery

Bruce Edward Abrahamson, B.S.,
Monticello
Vernon Lenroot Amundson, B.S.,
Duluth
Glen Del Anderson, B.S., Minneapolis
Kenneth N. Anderson, B.A., Christine,
N.D.
Carl Lee Bandt, B.S., Nekoosa, Wis.
Douglas John Barfield, Minneapolis
Charles F. Benzie, B.A., B.S., Onamia
Jacob Riiski Bergstedt, B.S., Esko
James Frederick Bergstrom, Minne-
apolis
Robert Wilson Bjorn Dahl, B.A., St.
Paul
John Frederick Brackin, B.S., Wahpe-
ton, N.D.
James Evan Brewster, B.A., B.S.,
Windom

Larry James Denmody, B.S., Vernon
Center
Fred Grover Emmings, B.S., Hopkins
Roy John Enquist, Warren
Leslie Edward Evans, B.S., Sauk
Rapids
ElRay Ronald Fertig, B.S., Lake
Bronson
William Riley Fitz, B.S., Harlem,
Mont.
Thomas William Galleger, Devils
Lake, N.D.
Paul Francis Gavin, B.A., B.S., Rose-
mount
Michael Mack Gibson, B.S., Sioux
Falls, S.D.
John Irvin Gilbert, B.S., Fargo, N.D.
Paul Duane Gillespie, B.A., B.S.,
Fordville, N.D.

John Mitchell Grewe, B.S., Eau Claire, Wis.
 Phillip L. Hagen, Pelican Rapids
 Garrett Eugene Hartman, B.A., B.S., St. Paul
 Frank Sheldon Heglund, A.A., Crosby
 Raymond A. Hellickson, B.S., Cannon Falls
 James David Hera, B.S., Minneapolis
 Robert Walter Hesse, B.S., St. Paul
 David Lynn Hoffman, B.S., St. Paul
 Mark Wilson Holmes, St. Paul
 Arthur David Jallo, B.S., Michigan, N.D.
 David Francis Johnson, Sauk Centre
 Dean Francis Johnson, B.S., D.V.M., Mankato
 Roger Harvey Johnson, Eveleth
 Gordon Windsor Knudson, B.A., B.S., Hopkins
 William Nicholas Kraft, Minneapolis
 Vernon Arthur Larsen, Brainerd
 George Albert Le May, St. Paul
 Marvin Paul Levin, B.A., B.S., Minneapolis
 Allen Cloy Lindsey, B.A., Crosby, N.D.
 Harvey Liss, Minneapolis
 Eugene Ernest Loya, Brainerd
 Calvin Katsunori Maeda, Wailuku, Hawaii
 Robert Bergren Miller, B.S., Two Harbors
 Patrick Joseph Morgan, B.S., Olivia
 Douglas Arlo Nelson, B.S., Fairmont
 Richard Allan Nelson, B.S., Minneapolis
 Mark Edward Norman, B.A., B.S., Conrad, Mont.
 Richard Dexter Olson, B.S., Minneapolis
 Peter Petrick, B.S., Hibbing
 Dennis Stephen Phillips, Minneapolis
 Paul George Radke, Jr., B.S., New Ulm
 Vernon Lee Reardon, B.S., Medina, N.D.
 Howard William Reinke, B.S., Hankinson, N.D.
 Donald F. Richards, B.S., Dickinson, N.D.
 Andrew Nyland Riley, Stephen
 Newton Nicholas Robinson, Biwabik
 Thomas Harold Rollin, B.S., Minneapolis
 Donald George Saba, B.S., Bismarck, N.D.
 David Dean Sandwick, A.A., B.S., Laporte
 John Patrick Scheidel, B.A., Minneapolis
 Richard Kermit Schock, A.A., Owatonna
 Dale B. Schultz, La Crescent
 Frank Joseph Skoglund, St. Paul
 Dale Thomas Soderberg, B.S., Soudan
 Fredrick Curtis Spies, B.A., Mayville, N.D.
 Vernon Ralph Steffens, B.S., Minneapolis
 Wesley John Streed, B.S., Duluth
 Edward Albert Tarnowski, Jr., B.S., Duluth
 Thomas Bartlett Tibbetts, B.S., St. Paul
 Kenneth Wesley Torbert, B.A., Canistota, S.D.
 John Victor Urick, B.S., Biwabik
 Paul Kenneth VanYc, B.S., Minneapolis
 Melvin Wesley Walters, B.S., Beltrami
 Francis John Washburn, B.S., Rochester
 David Edward Wesely, B.S., St. Paul
 William George Wilkowske, B.A., Owatonna
 William Julius Yock, Jr., St. James
 Charles Vincent Zupfer, B.S., Milroy

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing**

Lyla Mae Kinneberg, Spring Grove, WITH HIGH DISTINCTION

Bachelor of Science in Nursing Administration

Gregor Ronald McDonald, Oncida, Wis., WITH DISTINCTION

Bachelor of Science

- | | |
|---|---|
| Robert Ward Ackerman, B.A., Minneapolis, Medicine | Barbara Anne Chapman, Minneapolis, Medical Technology* |
| Barbara J. Allan, Minneapolis, Physical Therapy, WITH DISTINCTION | Leo Wai-Kuo Cheng, Hankow, China, Medicine |
| Lura Jean Gesme Anderson, Benson, Medical Technology, WITH DISTINCTION* | Mary Kathryn Cowan, Minneapolis, Occupational Therapy, WITH DISTINCTION |
| Louvain Gene Arndts, Bemidji, Occupational Therapy | Bart Stanley Cuderman, B.A., Aitkin, Medicine |
| Donald Stanton Asp, Milaca, Medicine | Gordon Hewitt Cummins, B.A., St. Paul, Physical Therapy, WITH DISTINCTION |
| Perry Bernard Bach, B.A., St. Paul, Medicine | Mary Ann Dauwalter, Carver, Physical Therapy, WITH DISTINCTION |
| Nancy Jean Beeman, Pine City, Public Health Nursing | Jan Peter Dawson, Buhl, Medicine |
| John Gordon Bergstrom, Cokato, Medicine | Amos Samuel Deinard, B.A., Minneapolis, Medicine |
| Douglas George Berry, B.A., St. Paul, Medicine | Charles Westrom Drage, B.A., Minneapolis, Medicine |
| Thomas Godfrey Bieter, St. Paul, Medicine | Rosemarie Christa Eckert, B.A., St. Paul, Medicine |
| Leslie Rosswald Bornfleth, B.A., Nerstrand, Medicine | Ronald John Elin, B.A., Minneapolis, Medicine |
| David Charles Brown, B.A., Minneapolis, Medicine | Karen Jean Engebretson, Hutchinson, Physical Therapy, WITH DISTINCTION |
| Brooks Allen Butler, Robbinsdale, Medicine | Karen Helen Erickson, Minneapolis, Physical Therapy |
| Robert Scott Cairns, Redwood Falls, Medicine | Carl Bertil Erling, Frewsburg, N.Y., Medicine |
| Thomas Marshall Canfield, Rockford, Ill., Medicine | Donna Jeanne Fadden, Wayzata, Medical Technology, WITH DISTINCTION* |
| Ruth Ann Carlson, St. Paul, Medical Technology* | Gary Ray Feigal, Pine Island, Medicine |
| Ruthann Carpenter, Hopkins, Medical Technology* | |

* These degrees are conferred subject to the completion of practical work prior to December 15, 1962.

** These degrees are conferred subject to the satisfactory completion of nursing practice prior to August 16, 1962.

- Leonard Thomas Fielding, B.A., Mankato, Medicine
- Sally Adair Fischbach, St. Paul, Medical Technology*
- Kathleen Rose Flanagan, B.A., St. Paul, Medicine
- DeAnne Evonne Franks, St. Paul, Occupational Therapy
- Jon Stuart Fredlund, Minneapolis, Medicine
- Katherine Frances Freitag, Minneapolis, Medical Technology*
- Alan David Fremland, B.A., St. Paul, Medicine
- Harriet G. Fremland, B.A., Minneapolis, Medicine
- Roger Lee Frerichs, Wilmot, S.D., Medicine
- Gary Elliot Garvis, Minneapolis, Medicine
- David Allan Gehlhoff, Minneapolis, Medicine
- Gary Frans Gilbertson, Minneapolis, Medicine
- David Earl Glass, Duluth, Medicine
- Margaret Louise Grunnet, B.A., Minneapolis, Medicine
- Ferdinand Joseph Feld Gunther, B.E.E., Milwaukee, Wis., Medical Technology*
- Phyllis Jean Hanson, Crookston, Medical Technology*
- Polly Jean Henkes, Farmersburg, Iowa, Physical Therapy, WITH HIGH DISTINCTION
- Lowell James Hyland, B.A., Austin, Medicine
- Jane Carolyn Johantges, Chicago, Ill., Physical Therapy
- Joretta Marlene Johnson, Muskegon, Mich., Physical Therapy
- Randall L. Johnson, B.A., Robbinsdale, Medicine
- Diane Marilyn Jokela, Cloquet, Physical Therapy, WITH DISTINCTION
- Martin Berk Kaplan, Minneapolis, Medicine
- Suzanne Rachel Katz, Minneapolis, Occupational Therapy
- Donna Marie Kempton, Minneapolis, Physical Therapy
- Warren Lee Kleinsasser, B.A., St. Paul, Medicine
- Wendy Jo Malin Kline, Minneapolis, Medical Technology*
- Lois Ann Kohler, Hawley, Medical Technology*
- Dolores Marie Komives, St. Paul, Physical Therapy, WITH HIGH DISTINCTION
- Charles G. Koski, Virginia, Medicine
- Zorada Silvernale Krasevac, R.N., St. Paul, Public Health Nursing
- Joanne Gladys Krueger, St. Louis Park, Medical Technology*
- Randall Aloise LaKosky, B.A., Virginia, Medicine
- James Donald Lehmann, Minneapolis, Medicine
- Barbara Estelle Linderman, Minneapolis, Physical Therapy, WITH DISTINCTION
- Peter Neville Madden, B.A., St. Paul, Medicine
- Sandra Sue Madden, Terry, Mont., Physical Therapy
- Jennifer Annette Makinster, Clinton, Physical Therapy
- Deane Christ Manolis, B.A., Minneapolis, Medicine
- Donald Stanley Masler, Minneapolis, Medicine
- Alice Wallin McCarthy, Nashwauk, Public Health Nursing, WITH DISTINCTION
- Janice Blanchard McDonald, Minneapolis, Public Health Nursing
- Wilbur Joseph Meiners, Greeley, Colo., Occupational Therapy
- Janice Louise Moberg, Minneapolis, Physical Therapy
- Mildred Ida Moe, R.N., Minneapolis, Public Health Nursing
- Karen Marie Mullen, Mound, Occupational Therapy
- Karen Louise Munson, Minneapolis, Medical Technology, WITH DISTINCTION*

* These degrees are conferred subject to the completion of practical work prior to December 15, 1962.

- Joel David Nash, B.A., St. Paul, Medicine
- Audrey Louise Nelson, Minneapolis, Medical Technology, WITH HIGH DISTINCTION*
- Marlys Jean Nelson, Kensington, Medical Technology*
- Vonda Lee Nelson, Kidder, S.D., Physical Therapy
- Carol Ann Breyen Nevett, Minneapolis, Occupational Therapy
- Karen Sandra Newstrom, Minneapolis, Physical Therapy
- Kay Marie Newton, Minneapolis, Medical Technology*
- Phillicent Norseen, B.A., Minneapolis, Medicine
- Karen Sargeant Olmen, St. Paul, Physical Therapy, WITH DISTINCTION
- Thomas Alfred Onstad, B.A., Hopkins, Medicine
- Janice Carlson Opsal, Alexandria, Public Health Nursing
- Earl Joseph Orth, Jr., St. Paul, Medicine
- Margaret Alice Bergstrom Paine, Minneapolis, Occupational Therapy
- Rita Augusta Pearlman, Minneapolis, Occupational Therapy
- Loreen Ann Pelowski, Roseau, Medical Technology*
- Donald Walter Peterson, Duluth, Medicine
- Carolyn Louise Ramaker, Le Roy, Medical Technology, WITH HIGH DISTINCTION*
- Elizabeth Rose Roettger, St. Paul, Medical Technology*
- Harvey Elliot Rosen, Minneapolis, Medicine
- Sarah Johanna Rundgren, Minneapolis, Occupational Therapy, WITH DISTINCTION
- Aleen Ingrid Saari, Minneapolis, Occupational Therapy
- Sharron Lee Weaver Sandberg, Robbinsdale, Occupational Therapy
- Glenn Nelson Scudder, Minneapolis, Physical Therapy
- Sharon Loren Shields, Minneapolis, Medical Technology*
- Leighton Gene Siegel, St. Paul, Medicine
- Lawrence Julian Singler, St. Paul, Medicine
- Joyce Ann Steindorf, Sauk Rapids, Medical Technology, WITH DISTINCTION*
- Donald Anthony Stenzel, B.A., Minnesota Lake, Medicine
- James Irvin Stephens, Franklin, Va., Medical Technology*
- Tommy Dale Stoebe, Breckenridge, Medical Technology*
- Eugene Silas Strout, Minneapolis, Medicine
- Janet Carol McDonald Svardal, Edina, Medical Technology, WITH DISTINCTION*
- Carol Marie Thom, St. Louis Park, Occupational Therapy
- Francis Thornton Thomas, Hibbing, Medicine
- Willis Myron Thorstad, B.A., Battle Lake, Medicine
- Peter Helmuth Ullrich, B.A., Red Wing, Medicine
- Robert Alfred Van Tassel, Watertown, Medicine
- Carol Elizabeth Velz, Minneapolis, Medical Technology*
- Stephen Charles Weisberg, Minneapolis, Medicine
- Richard Atwood Willson, B.A., Edina, Medicine
- Lorraine Maxine Wolfe, Minneapolis, Occupational Therapy, WITH DISTINCTION
- Sheila Myrtle Zelcovich, Winnipeg, Manitoba, Canada, Occupational Therapy, WITH HIGH DISTINCTION
- Nancy Jane Zink, Crystal Lake, Ill., Public Health Nursing

* These degrees are conferred subject to the completion of practical work prior to December 15, 1962.

Master of Hospital Administration

- Joseph Carroll Brown, B.A., Wheaton, Ill.
Frederick Joseph Bury, B.A., Minneapolis
Glenn David Carlson, B.A., B.S., Seattle, Wash.
John C. Coffey, Jr., B.B.A., Wichita Falls, Tex.
Robert Paul Dumminger, B.S., Fremont, Ohio
Alma Carol Norquist Erb, B.S., Garrison, N.D.
Edward Malcolm Gillespie, B.A., Cambridge
William James Green, Jr., B.S., B.A., Wichita, Kan.
Robert Dix Hansen, B.S., Alcester, S.D.
John Ernest Hoffman, Jr., B.A., Philadelphia, Pa.
Clyde Jerome Jorgensen, B.A., Minneapolis
Robert Kenneth Kasbohm, B.S., Minneapolis
John Edward Kralewski, B.S. in Pharm., Durand, Wis.
- Tsutomu Kumagai, B.B.A., West St. Paul
Jackie Ray Martin, B.S., Pineville, La.
Guy Hale McKinstry, Jr., B.A., M.A., Washington, Pa.
Roger William Metz, B.A., Seattle, Wash.
Donald Calvin Mills, B.B.A., Owen, Wis.
William John Monagle, B.S., Somerville, Mass.
Donald Russell Olson, B.A., Minneapolis
Scott Smith Parker, B.S., Salt Lake City, Utah
David Lloyd Roach, B.A., Austin
David Caulfield Schmauss, B.A., St. Paul
James Elwyn Strand, B.A., Bayport
William Foley Towle, B.A., St. Paul
Robert Alan Tschetter, B.A., Freeman, S.D.
Donald Charles Wegmiller, B.A., Duluth

Master of Nursing Administration

Merriam Ruth Adams, B.S.N.A., Minneapolis

Master of Public Health

- Paul James Alexander, B.A., M.D., Seattle, Wash.
Jack Allard, B.S., Oroville, Wash.
Richard William Biek, B.A., B.S., M.D., Barrington, Ill.
Jadwiga Magdalena Biernot, D.D.S., Chicago, Ill.
Theodore Jack Burton, B.C.E., Topeka, Kan.
Harry Elzy Cooke, Jr., B.S., Philadelphia, Pa.
- Joseph Michael Doherty, B.S., D.D.S., Detroit, Mich.
Sarah Gomez Erlach, A.A., B.S., San Bernardino, Calif.
Antoine Stephen Godar, M.S., St. Louis, Mo.
Gerald Irving Goldschmidt, B.S., Bemidji
Harold Glenn Harberson, B.S., Winchester, Ky.

Dora Louise Jacob, B.S., Cisco, Tex.
 Paula Thabea Jank, B.S., Minneapolis
 Charles C. King, Jr., D.V.M., Rome,
 Ga.
 James Francis Lawler, B.S., Howard,
 S.D.
 James Marvin Lyday, D.V.M., Colum-
 bus, Ohio
 Matthew Christopher Lynch, B.S.,
 Vallejo, Calif.
 Joseph Robert Maher, B.S., Joliet, Ill.
 John Atherton Massey, B.A., Win-
 netka, Ill.
 Paul Harry Ogilvie, B.A., Des Moines,
 Iowa
 Tiruvaparanam Kalyanakoti Partha-
 sarathy, B.A., India

Donald Campbell Prager, B.S., Read-
 ing, Pa.
 Alluri Visweswara Rao, B.C.E.,
 Calcutta, India
 Paul Charles Riddle, B.S., Minne-
 apolis
 Siri Krishan Sharma, B.S., Ambala,
 Punjab, India
 David Vincent Sharp, B.S., M.D.,
 Minneapolis
 Kenneth Ernest Sjodin, B.A.,
 Coleraine
 Kamla Sood, M.A., New Delhi, India
 Ray Eugene Torell, B.M.E., Minne-
 apolis

Doctor of Medicine

Michael Bernard Abramson, B.A.,
 B.S., Minneapolis
 David Guy Alexander, B.A., B.S.,
 Minneapolis
 Harlan George Alexander, B.A., B.S.,
 Minneapolis
 C. Arthur Anderson, B.S., Elk River
 Quentin Nelson Anderson, B.S.,
 North Branch
 Lois Ann Anselment, B.S., Duluth
 Stanley John Antolak, Jr., B.A., B.S.,
 Minneapolis
 Frederick David Arny, B.A., St. Paul
 Daniel Remember Baker, B.S., St. Paul
 Robert Morris Baker, B.A., Granite
 Falls
 Jay Theodore Ballhagen, B.S.,
 Beardsley
 Bruce Covell Bayley, B.A., Lake City
 John Joseph Becchitti, B.S., Hibbing
 Vernon R. Benson, B.A., Clarkfield
 James Milton Bilstad, B.A., Little
 Falls
 John Fredric Biltz, B.A., B.S., Glen
 Lake
 Eugene Francis Binet, B.S., St. Paul
 Leslie Rosswald Bornfleth, B.A.,
 Nerstrand
 Kenneth Alfred Branch, B.A., Minne-
 apolis

Joel Osler Brende, B.A., Hutchinson
 David Charles Brown, B.A., Minne-
 apolis
 Keith Cameron Burnes, B.A., Minne-
 apolis
 Kenneth Robert Byce, B.A., Two
 Harbors
 Brian Christopher Champion, B.S., St.
 Paul
 Joan Elizabeth Cloutier, B.A., Minne-
 apolis
 Daniel Casey Conlon, B.A., Minne-
 apolis
 Gary Allan Cowan, B.S., Duluth
 Thomas James Crowley, B.A., B.S.,
 St. Louis Park
 David Emmett Culligan, B.S., St.
 Paul
 Donald Darrill Dahlstrom, B.S., Min-
 neapolis
 Amos Samuel Deinard, B.A., Minne-
 apolis
 Ronald Herman Dietzman, B.A., B.S.,
 St. Paul
 Charles Westrom Drage, B.A., Minne-
 apolis
 Rosemarie Christa Eckert, B.A., St.
 Paul
 Frederick Thomas Ellingson, B.A.,
 Minneapolis

Joseph Samuel Emond, Jr., B.A., B.S.,
Farmington
Paul Frederick Engstrom, B.A., St.
Peter
Donald Leslie Erickson, B.A., St. Paul
William David Erickson, B.A., Min-
neapolis
Leonard Thomas Fielding, B.A., Man-
kato
Joel Finkelstein, B.A., B.S., Minne-
apolis
Robert Darrel Flaig, B.S., Alexandria
Kathleen Rose Flanagan, B.A., St.
Paul
Alan David Fremland, B.A., St. Paul
Harriet G. Fremland, B.A., Minne-
apolis
Stanley Adolph Gall, B.A., Minne-
apolis
Joseph M. Gilson, B.S., Duluth
Gary B. Glomstad, B.A., Montevideo
Barbara Williamson Gokcen, B.A.,
Mound
David William Grande, B.A., Virginia
Margaret Louise Grunnet, B.A., Min-
neapolis
Bernie H. P. Hanson, B.S., Moorhead
Thomas J. Hart, Jr., B.A., Wells
Allan James Hartzell, B.A., Minne-
apolis
Robert Lynn Hegrenes, B.S., Minne-
apolis
Thomas Clair Hegstad, B.S., Slayton
Warren Frank Hoffman, B.A., B.S.,
Minneapolis
Bruce David Howard, B.A., Minne-
apolis
Albert Ervin Howell, Jr., B.A., Minne-
apolis
Leon William Hoyer, B.A., Windom
Lowell James Hyland, B.A., Austin
Roger John Jackman, B.A., Rochester
Robert Roy Jacobson, B.A., Ph.D.,
Austin
Waldemar G. Johanson, Jr., B.S.,
Hopkins
Gerhard Jacob Johnson, B.A., B.S.,
St. Paul
Robert Clifford Johnson, B.S., Min-
neapolis
Warren Lee Kleinsasser, B.A., St. Paul
Leon Donald Kohn, B.A., Minneapolis
Peter Sylvester Koontz, B.A., B.S.,
Minneapolis
Randall Aloise Lakosky, B.A., Virginia
Herman Paul Langner, B.A., Minne-
apolis
Eugene Schrae LaPlante, B.S., Slayton
Paul Henry Larson, B.A., Cloquet
Donn Stanton Leaf, B.A., Deephaven
Arnold Walfred Lindall, Jr., B.A.,
Minneapolis
Ronald L. Logemann, B.S., Blue
Earth
Merle Kenneth Loken, B.A., B.S.,
M.S., Ph.D., Minneapolis
Nancy Ruth Lund, B.A., Hibbing
Peter Neville Madden, B.A., St. Paul
Douglas Dean Mair, B.A., Rochester
Deane Christ Manolis, B.A., Minne-
apolis
Donald John Maus, B.S., Monticello
Lawrence Conrad Mayerle, B.S.,
Nashwauk
Paul Edmund Mertens, B.A., Rob-
binsdale
John Norman Mork, B.S., Worth-
ington
LeRoy E. Mueller, B.A., Belle Plaine
Thomas Twidwell Myers III, B.A.,
Rochester
Phillicent Norseen, B.A., Minneapolis
Ronald Joseph Ohmann, B.S., Mound
Alton John Olson, A.A., B.A., Minne-
apolis
Thomas Alfred Onstad, B.A., Hopkins
Charles Sherman Ostrov, B.A., B.S.,
Virginia
John Davis Palmer, B.S., M.S., Ph.D.,
Clarendon Hills, Ill.
Wayne Paul Panning, A.A., B.S.,
Rochester
Lawrence Bertil Pearson, Jr., B.S.,
Minneapolis
David John Perry, B.S., Minneapolis
Philip Sheridan Randall, B.S., Little
Falls
Richard Clinton Reem, B.A., Aitkin
Phillip Arthur Rierson, B.A., M.A.,
Fort Dodge, Iowa
Laurence Stuart Rivkin, B.A., B.S.,
Minneapolis

Thomas Owen Robbins, B.S., Bloomington
 George Nicholas Rogentine, Jr., B.A., Jackson
 Albert H. Roth, B.S., B.A., Lake Crystal
 Lawrence J. Schut, B.A., Maple Lake
 John Roman Sebald, B.S., Moose Lake
 Marvin S. Segal, B.A., B.S., St. Louis Park
 Leighton Gene Siegel, B.A., St. Paul
 David George Smith, B.A., Minneapolis
 Donald Anthony Stenzel, B.A., Minnesota Lake
 John Eric Sutherland, B.A., West St. Paul
 Willis Myron Thorstad, B.A., Battle Lake

Gordon Lees Thurston, B.S., Faribault
 Peter Helmuth Ullrich, B.A., Red Wing
 Lowell W. Van De Riet, B.S., Pease
 Paul R. Vandersteeu, B.S., South St. Paul
 Robert Doane Wasson, B.A., Battle Lake
 Daniel E. Weiner, B.A., M.S., Minneapolis
 Robert Arthur Wengler, B.A., B.S., Albany
 Richard Atwood Willson, B.A., Edina
 John Karl Franz Wolf, B.A. *magna cum laude*, Minneapolis
 Robert Clark Wood, B.A., Duluth
 James Lewis Zum Brunnen, B.A., B.S., Monticello

GRADUATE SCHOOL

Master of Arts

John Stephen Adams, Minneapolis
 B.A. *cum laude* '60, College of St. Thomas.
 Field of Concentration: Economics.

Stephen Richard Alderson, Morning-side
 B.A. '59, University of Minnesota. Field of Concentration: Geography.

Douglas Stewart Andersen, Minneapolis
 B.A. '60, University of Minnesota. Field of Concentration: Speech.

Robert Warren Anderson, Minneapolis
 B.S. '53, University of Minnesota. Field of Concentration: Agricultural Education.

Verlyn Dean Anderson, Rothsay
 B.A. '56, Concordia College. Field of Concentration: Curriculum and Instruction.

Arnt Martin Aune, Thief River Falls
 B.S. '40, University of Minnesota. Field of Concentration: Agricultural Education.

Roger Allen Avelsgaard, Minneapolis
 B.Ch.E. '54, University of Minnesota. Field of Concentration: Mathematics.

Noel Kraig Barstad, St. Paul
 B.A. '58, St. Olaf College. Field of Concentration: German.

Robert James Barta, Duluth
 B.A. '60, University of Minnesota. Major: Spanish. Minor: English. Thesis: *Costumbrismo in the Literary Works of José Gutierrez-Solana.*

Calista Biles Bechthold, Minneapolis
 B.A. '36, Hamline University. Field of Concentration: Educational Psychology.

Richard Roy Benert, St. Paul
 B.A. with highest honors '60, Bethel College (Minn.). Field of Concentration: History.

Lorraine Estelle Berger, Minneapolis
 B.S. '52, University of Minnesota. Field of Concentration: Art Education.

- Lawrence Henry Biehn, Madison Lake
B.S. '55, Mankato State College. Field of Concentration: Educational Administration.
- Loren Dean Boutin, Willmar
B.A. '60, University of Minnesota. Field of Concentration: Psychology.
- Oria Albert Brinkmeier, Lester Prairie
B.S. with high distinction '60, University of Minnesota. Field of Concentration: Educational Administration.
- Edward Brooks, Jr., St. Paul
B.A. '44, Harvard College. Field of Concentration: Latin.
- Angela Meenahan Burque, St. Paul
B.S. '52, University of Minnesota. Field of Concentration: Educational Administration.
- Katharine Cornelie Busch, Gaylord
B.A. '60, Carleton College. Field of Concentration: Library Science.
- James Telfer Crawford, Bowling Green, Ohio
B.A. '41, Bowling Green State University; B.S. '61, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Roger William Cummins, Minneapolis
B.A. *summa cum laude* '60, Brown University. Field of Concentration: English.
- Helen Miller Dickison, St. Paul
B.A. '53, Hamline University. Field of Concentration: Psychology.
- Lois Merle Eisenberg, Minneapolis
B.S. with distinction '60, University of Minnesota. Field of Concentration: Education.
- Wallace Dwaine Eklund, Milaca
B.S. '54, University of Minnesota. Field of Concentration: Agricultural Education.
- Roland Vernon Ellertson, Albert Lea
B.A. '49, Iowa State Teachers College. Field of Concentration: Educational Administration.
- Robert Eugene Engebretson, New Richmond, Wis.
B.S. '52, Wisconsin State College (River Falls). Field of Concentration: Art Education.
- Carol Anita Engstrom, Mound
B.S. with distinction '59, University of Minnesota. Field of Concentration: Library Science.
- Karl-Heinz Willi Evers, Duluth
B.S. '59, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Gaylord Skulhus Fagerland, Eau Claire, Wis.
B.A. '53, B.Mus. '54, St. Olaf College. Field of Concentration: Music.
- Patrick Thomas Ferguson, Hudson, Wis.
B.S. '59, Wisconsin State College (River Falls). Field of Concentration: Curriculum and Instruction.
- Lois Kathryn Fritz Gardner, Sioux Rapids, Iowa
B.S.C. with highest distinction '58, State University of Iowa. Field of Concentration: Curriculum and Instruction.
- James Lyle Gavenda, Minneapolis
B.S. '60, University of Minnesota. Field of Concentration: Educational Psychology.
- Jane George, India
M.A. '53, University of Patna. Field of Concentration: Psychology.
- Roger John Gordon, Duluth
B.S. '52, Bemidji State College. Field of Concentration: Curriculum and Instruction.
- James Bertram Griffin, Salem, S.D.
B.S. in Educ. '50, University of South Dakota. Field of Concentration: Education.
- Valerie Claudia Grosenick, St. Paul
B.A. '58, University of Minnesota. Field of Concentration: Library Science.
- Heinz Heller, Bad Neuenahr, Germany
B.A. '61, Parsons College. Field of Concentration: Economics.
- Marybelle R. Hickner, International Falls
B.S. '43, University of Minnesota. Field of Concentration: Education.

Jerome Hurley Himmelwright,
St. Paul

B.A. '60, University of Minnesota. Field of Concentration: History.

Jerald Lee Howard, Valley City, N.D.

B.A. '56, St. John's University (Minn.). Field of Concentration: Education.

Gurli Vibe Jensen, Copenhagen,
Denmark

B.A. '48, Ribe State Teacher's College (Denmark). Field of Concentration: Educational Psychology.

Harvey James Jensen, South St. Paul

B.A. '55, University of Minnesota. Field of Concentration: English.

Carol Vilas Johnson, Dodgeville, Wis.

B.A. '54, St. Olaf College. Field of Concentration: Educational Psychology.

Glenn Hollis Joplin, Marysville, Calif.

B.A. '59, University of California. Major: Psychology. Minor: Child Development. Thesis: Psychometric Assessment of Group Work with Disturbed Adolescents in a Ranch Setting.

Sheila Campbell Junta, Minneapolis

B.S. '60, University of Wisconsin. Field of Concentration: Curriculum and Instruction.

Keith Frederick Kappahn, Ashby

B.S. with distinction '51, University of Minnesota. Field of Concentration: Agricultural Education.

Rodger Leigh Kemp, Minneapolis

B.S. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Chulsoon Khang, Seoul, Korea

B.A. with honor '59, Michigan State University. Field of Concentration: Economics.

Lawrence William Kieffer, Minneapolis

B.A. *cum laude* '57, University of Minnesota. Field of Concentration: Library Science.

Raymond L. Koch, Mankato

B.A. *magna cum laude* '59, Northwestern College (Minn.). Field of Concentration: History.

Janet Thielen Lamkin, St. Paul

B.S. '58, University of Minnesota. Field of Concentration: Library Science.

Wayne Gerald Little, Kenosha, Wis.

B.A. '54, Hamline University; B.S. '57, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Eunice Christine Madison, Chisholm

B.A. '60, B.S. '61, University of Minnesota. Field of Concentration: Educational Psychology.

Robert Louis Mayer, Waconia

B.A. '49, St. John's University (Minn.). Field of Concentration: Educational Administration.

Joseph Earl McGregor, International Falls

B.A. '61, University of Minnesota. Field of Concentration: Psychology.

John Ramon McGuire, Edina

B.S. '51, University of Colorado. Field of Concentration: Physical Education.

Mark Petrovich Mensheha, Minneapolis

Graduate '27, Kiev Polytechnical Agricultural Institute; Graduate '30, Kiev Institute of Agricultural Engineering. Major: Area Studies: Russia. Thesis: Geographical Distribution of Soviet Agriculture.

Lawrence Preston Moon, Spring Valley

B.S. with distinction '54, University of Minnesota. Field of Concentration: Educational Psychology.

David Allen Nelson, St. Paul

B.A. '59, University of Minnesota. Field of Concentration: Journalism.

Clarice Norma Olien, Waseca

B.S. '55, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: Factors Associated with the Occupational Expectations of High School Senior Girls From Selected Schools in Minnesota.

Prafulla Kumar Pati, Cuttack, Orissa, India

B.A. '42, M.A. '44, Patna University (India). Field of Concentration: English.

Janet Plane, Leeds, England

B.A. '57, Liverpool University. Field of Concentration: German.

Eleanor Bergmann Plenni, St. Paul

B.A. '41, Hamline University. Field of Concentration: German.

Lawrence Vern Prince, Hibbing

B.S. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Irene Barbara Rasmusson, Minneapolis

B.S. '60, University of Minnesota. Field of Concentration: Art Education.

Margaret Elizabeth Polski Sack, Minneapolis

B.S. with distinction '57, University of Minnesota. Field of Concentration: Home Economics.

Mathilda L. Sageng, Dalton

B.A. *summa cum laude* '31, Augsburg College. Field of Concentration: Educational Psychology.

Prudence Jeanne Schmidt, Milwaukee, Wis.

B.A. '60, Milwaukee-Downer College. Field of Concentration: Library Science.

Sister Zachary Flaten, St. Paul

B.A. '49, College of St. Catherine. Field of Concentration: Music.

Kenneth Orland Skelton, Lambertton

B.A. '53, University of Minnesota. Field of Concentration: Psychology.

Raynard Lawrence Stedje, Starbuck

B.A. '43, Concordia College. Field of Concentration: Curriculum and Instruction.

Aletha Huston Stein, Minneapolis

B.A. with great distinction '60, Stanford University. Major: Psychology. Minor: Child Development. Thesis: Imitative Learning Under Conditions of Nurture and Nurture Withdrawal.

Harry Hart Stein, Minneapolis

B.A. '59, Antioch College. Field of Concentration: History.

George Marshall Sverdrup, Minneapolis

B.A. '46, Augsburg College; B.S. '48, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Joan Elizabeth Tanzer, St. Paul

B.A. '57, College of St. Catherine. Field of Concentration: Curriculum and Instruction.

Thomas Newhouse Thiss, Edina

B.A. '52, University of Minnesota. Field of Concentration: Speech.

James Arnold Tintner, Minneapolis

B.A. '52, University of Minnesota. Field of Concentration: American Studies.

Ruth Wolff Tufigno, Minneapolis

B.S. '54, Macalester College. Field of Concentration: Curriculum and Instruction.

Ellen Marie Vitcenda, Duluth

B.S. '49, Wisconsin State College. Field of Concentration: Curriculum and Instruction.

James William Whalen, St. Paul

B.A. '47, University of Minnesota. Major: Journalism. Minor: English. Thesis: The Expanded Profile of the Legion of Decency.

Nelson Thomas Whyatt, St. Paul

B.A. '60, Harvard College. Field of Concentration: Zoology.

De Han Yao, Manila, Philippines

B.S. '58, Philippine Women's University. Field of Concentration: Curriculum and Instruction.

Master of Arts in Public Administration

James Everett Jernberg, Madison, Wis.

B.A. *cum laude* '57, University of Minnesota. Major: Public Administration. Thesis: An Executive Budget System for Madison, Wisconsin.

Jai Duck Suck, Seoul, Korea

B.A. '44, Posung College. Major: Public Administration. Thesis: The Foreign Trade Law of the Republic of Korea: Case Study and Recommendations.

Master of Business Administration

Dean Eckwall Danielson, Minneapolis
B.B.A. with distinction '60, University of Minnesota. Field of Concentration: Business Administration.

Andrew James Grimes, Pittsburgh, Pa.
B.S. in Bus. Adm. '60, University of Rhode Island. Field of Concentration: Business Administration.

Robert Frank Hartley, Minneapolis
B.C.S. '49, Drake University. Field of Concentration: Business Administration.

Harvey Sigbert Hendrickson,
McGregor
B.B.A. with high distinction '57, University of Minnesota. Field of Concentration: Business Administration.

Stanley James Hille, Spicer
B.B.A. '59, University of Minnesota. Field of Concentration: Business Administration.

George Roger Macomber, St. Paul
E.E. '52, B.B.A. '54, Northwestern University. Field of Concentration: Business Administration.

John Harrison Reeder, Fairfield, Ill.
B.A. '60, University of Minnesota. Field of Concentration: Business Administration.

Master of Forestry

Robert Eli Lease, Bemidji
B.S. '57, Pennsylvania State University. Field of Concentration: Forestry.

Master of Science

Mary Abrahamsen, Silver Spring, Md.
B.S. '59, University of Wisconsin. Major: Agricultural Botany. Minor: Agricultural Biochemistry. Thesis: Plant Tissue Culture Studies With Hosts of Obligately Parasitic Fungi.

Willis Eugene Anthony, St. Peter
B.A.B.A. '60, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Risk Problems in Minnesota PCA's.

Mario Erik Ascher, Buenos Aires,
Argentina
M.E. '59, University of Buenos Aires. Field of Concentration: Business Administration.

Francis Hugh Austin, Dublin, Ireland
M.V.B. '60, University College (Dublin, Ireland). Majors: Veterinary Physiology and Pharmacology. Minor: Physiological Chemistry. Thesis: The Absorption of Certain Drugs from the Bovine Rumen.

Thomas Eugene Brunelle, St. Paul
B.S. '57, College of St. Thomas. Field of Concentration: Organic Chemistry.

Leonard Francis Burlaga, Superior,
Wis.
B.S. '60, University of Chicago. Field of Concentration: Physics.

Lauren Earl Carlson, Chokio
B.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Soils. Thesis: Relation of Microorganisms to the Quality of Pea Seed.

William Dennis Davidson, Minne-
apolis
B.S. '59, University of Minnesota. Field of Concentration: Animal Husbandry.

Bruce Melvyn Eisen, Jamaica, N.Y.
B.A. '59, Cornell University. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Secondary Hydrogen Isotope Effects on Deoxy Mercuration.

Gordon Whitfield Erlandson, St. Paul
B.S. with high distinction '59, University of Minnesota. Field of Concentration: Agricultural Economics.

George Chi-Chien Feng, China
B.S. in Eng. '55, Taiwan University. Major: Mechanics and Materials. Minor: Mathematics. Thesis: Normal Loading of Rough Spheres with Slip.

Luis Cesar Lopez Frias, Cidei Oro, Zac, Mexico
Ing. Agron. '60, University of Coahuila (Mexico). Major: Plant Pathology. Minor: Entomology. Thesis: Factors Affecting Invasion of Stored Seed of Sorghum and Beans by Fungi.

Suva Ghose, Calcutta, India
B.S. '50, M.Sc. '52, Utkal University. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Genetic Variability in Advance Generations of Oat Crosses.

Ulric Philbert McKell Gibson, Georgetown, British Guiana
B.Sc. in Civ. Eng. '58, University of Edinburgh. Field of Concentration: Public Health.

John Henry Goihl, Lake City
B.Sc. '60, University of Minnesota. Field of Concentration: Animal Husbandry.

Herman Grill, Jr., Flushing, N.Y.
B.S. with honors '59, Michigan State University. Major: Dairy Industries. Minor: Agricultural Biochemistry. Thesis: A Study of the Hardness, Hesion and Viscosity Characteristics of Various Fatty Table Spreads.

Irving James Hall, Minneapolis
B.A. '54, Pacific Lutheran College. Field of Concentration: Mathematics.

John William Hanlon, Aitkin
B.S. '59, University of Minnesota. Field of Concentration: Agricultural Economics.

James Thomas Hegland, Appleton
B.S. '50, University of Minnesota. Field of Concentration: Agricultural Economics.

You Hsu, Taipei, China
B.S. '56, Taiwan Provincial College of Agriculture. Field of Concentration: Horticulture.

Toshiaki Izumi, Tokyo, Japan
B.Ag. '50, Tokyo Agriculture College; D.V.M. '57, Azabu Veterinary College. Major: Microbiology. Minor: Veterinary Pathology. Thesis: Characterization of New Viruses From Japanese Mosquitoes.

Lawrence Craig Winston Jensen, New York, N.Y.
B.A. '60, Brown University. Field of Concentration: Botany.

Richard Ray Johnson, Cloquet
B. Phys. with distinction '60, University of Minnesota. Field of Concentration: Physics.

Jonas Martin Kirchoff, Stathelle, Norway
Graduate '58, Norwegian School of Economics and Business Administration. Field of Concentration: Business Administration.

Pundalik Hansraj Kulkarni, Nagpur, India
B.S. '48, M.Sc. '50, Nagpur University. Field of Concentration: Geology.

Ardell Chester Linnerud, St. Paul
B.S. '53, Wisconsin State College (River Falls). Field of Concentration: Dairy Husbandry.

David Charles Look, Anoka
B.Phys. with high distinction '60, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: A Spin-lattice Relaxation Experiment in Strong Radio-Frequency Magnetic Fields.

Malcolm Edwin McLouth, Minneapolis
B.I.E. '55, B.B.A. '55, University of Minnesota. Field of Concentration: Public Health.

Glenn Bernhardt Morey, Duluth
B.A. '57, University of Minnesota. Major: Geology. Minor: Geophysics. Thesis: Geology of the Keweenaw Sediments Near Duluth, Minnesota.

Harvey Robert Nelson, Cannon Falls
B.S. '60, University of Minnesota. Field of Concentration: Agricultural Economics.

Gerald Wayne Paulsen, St. Paul

B.S. '56, Iowa State University. Major: Geology. Minor: Zoology. Thesis: Preservation and Stratigraphic Distribution of Pigments in Minnesota Lake Sediments.

Ping Yuch Peng, Anhwei, China

B.S. '45, National Chekiang University (China). Major: Analytical Chemistry. Minor: Organic Chemistry. Thesis: Chloroform Extraction of Trace Amounts of Tungsten as Tungsten-Benzoinoximate and the Simultaneous Spectrophotometric Determination of Tungsten and Molybdenum as Thiocyanates.

John Philip Piercy, Pacific Grove, Calif.

B.C.E. '53, University of Santa Clara. Field of Concentration: Public Health.

Donald John Pluth, Estherville, Iowa

B.S. '58, University of Minnesota. Major: Soils. Minor: Forestry. Thesis: Forest Soil and Tree Growth Characteristics Related to a Synecological Coordinate System.

Kenneth Ray Porter, Cleburne, Tex.

B.A. '58, Baylor University; B.S.C.E. '58, University of Texas. Field of Concentration: Public Health.

Gerhard Arthur Ross, Fisher

B.S. with distinction '53, University of Minnesota. Major: Agronomy. Minor: Soils. Thesis: The Comparative Root and Top Development of Some Varieties of Clover and Alfalfa.

Erhard George Saettler, Peoria, Ill.

B.A. '57, Wabash College. Major: Inorganic Chemistry. Minor: Physical Chemistry. Thesis: The Disproportionation of ICl From 1000°K to 1500°K.

Herbert Benson Scher, Yonkers, N.Y.

B.Ch.E. '60, Cornell University. Field of Concentration: Physical Chemistry.

Jean Aline Smith, Bemidji

B.S. with high distinction '59, University of Minnesota. Field of Concentration: Home Economics.

Roy Elmer Stafford, Imperial, Neb.

B.S. with honors '53, Kansas State College. Major: Plant Genetics. Minor: Agricultural Botany. Thesis: The Response of Certain Flax Varieties to Three Phenoxy Herbicides.

Yoshiko Higoshi Takebe, Tokyo, Japan

B.S. in Pharm. '55, Tokyo College of Pharmacy. Major: Pharmaceutical Chemistry. Minor: Organic Chemistry. Thesis: Chemical Investigation of Digitalis Siberica.

Bruce David Vannelli, South St. Paul

B.S. '59, University of Minnesota. Field of Concentration: Mathematics.

Roger Charles Vergin, Brainerd

B.B.A. '59, University of Minnesota. Field of Concentration: Business Administration.

Lawrence Ernest Williams, Youngstown, Ohio

B.S.(Phys) '59, Carnegie Institute of Technology. Major: Physics. Minor: Mathematics. Thesis: A Proton Polarimeter.

Harvey Floyd Windels, Sebeka

B.Sc. with distinction '55, University of Minnesota. Major: Animal Husbandry. Minor: Physiological Chemistry. Thesis: Injectable Iron as a Preventative for Nutritional Anemia in the Young Pig.

Chiu-Ying Wong, China

B.S. '57, University of Minnesota. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Acylation of Indoles Under Nonacidic Conditions.

Master of Science in Aeronautical Engineering

Seshagiri Govind Datar, Hospet, India

B.Sc. '50, Fergusson College at Poona; Graduate '56, Madras Institute of Technology; M.S. '59, University of Toronto. Field of Concentration: Aeronautical Engineering.

Lawrence David Huppert, Dayton, Ohio

B.S. with high distinction '55, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Agricultural Engineering

Ting-Chung Kan, Nanking, China

B.S. '55, National Taiwan University. Field of Concentration: Agricultural Engineering.

Master of Science in Chemical Engineering

Lyle Gordan Hartman, Hokah

B.S. with distinction '60, University of Minnesota. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Studies in the Electrochemical Oxidation of Oxygenated Organic Compounds.

Sheldon Lee Thompson, Richfield

B.S. '60, University of Minnesota. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: The Development of a Method for the Determination of the Apparent Rate of Photosynthesis and Respiration in a 7 phase System.

Master of Science in Civil Engineering

Rafael Octavio Cordon, Guatemala, Guatemala

C.E. '60, University of Guatemala. Field of Concentration: Civil Engineering.

Robert Dean Holtz, Minneapolis

B.S. '60, University of Minnesota. Field of Concentration: Civil Engineering.

Chieh Huang, Peiping, China

B.S. in C.E. '57, National Taiwan University. Field of Concentration: Civil Engineering.

David Winston Kirkwood, Glenwood

B.S. with distinction '60, University of Minnesota. Field of Concentration: Civil Engineering.

Dah-Wei Luo, Taipei, Taiwan, China

B.Sc. '57, Taiwan Provincial Chang-Kung University. Field of Concentration: Civil Engineering.

Oscar Ernest Manz, Grand Forks, N.D.

B.S. '51, University of Saskatchewan; B.S.C.E. '59, University of North Dakota. Field of Concentration: Civil Engineering.

Maria Teresa Mesia-Caravedo, Lima, Peru

Civil Engineer '58, National University of Engineering (Peru). Field of Concentration: Civil Engineering.

DandAmudi Rama Mohanarao,

Penumatcha, Andhra, India

Graduate '59, University of Mysore. Field of Concentration: Civil Engineering.

James Victor Morris, Toronto, Ontario, Canada

Higher National Cert. '53, Glasgow Royal Technical College. Field of Concentration: Civil Engineering.

Ashis Kumar Mukherjee, India

B.E. '52, Calcutta University. Field of Concentration: Civil Engineering.

Richard Sands Nelson, Minneapolis

B.C.E. '57, University of Minnesota. Field of Concentration: Civil Engineering.

Jayantibhai C. Patel, Sunav, Gujara, India

B.E. (Civil) '60, Birla Vishvakarma Mahavidyalaya Institute (India). Field of Concentration: Civil Engineering.

Mohammed Mazheruddin Siddiqui, Karachi, Pakistan

B.E. (Civil) '56, Osmania University (India). Field of Concentration: Civil Engineering

Ronald Joseph Voelker, St. Paul

B.S. with distinction '60, University of Minnesota. Field of Concentration: Civil Engineering.

Hugh Russell Whiteley, Ottawa, Ontario, Canada

B.Sc. '58, Queen's University (Canada). Major: Civil Engineering. Minor: Mathematics. Thesis: Experimental Study of Velocity Profiles in a Decaying Turbulent Vortex.

Master of Science in Dentistry

Douglas Lawrence Buck, Minneapolis
B.S. '54, D.D.S. '60, University of Minnesota.
Major: Dentistry. Minor: Anatomy. Thesis:
Bone Changes in Rodents as Temporally Re-
vealed by Tritiated Thymidine.

Robert William Mundt, Sr., Onamia
B.S. with distinction '58, D.D.S. '60, Univer-
sity of Minnesota. Major: Dentistry. Minor:
Anatomy. Thesis: The Growth, Development
and Fate of Meckel's Cartilage as an Isologous,
Subcutaneous Transplant.

Master of Science in Electrical Engineering

Gautier Tien-ni Fang, Nanking, China
B.S. in Eng. '55, National Taiwan University.
Major: Electrical Engineering. Minor: Mathe-
matics. Thesis: On the Wave Motion of
Damped Continuum with Random Forcing
and Impedance Boundaries.

Master of Science in Industrial Engineering

Ponnuswamy Venkatesan, Coimba-
tore, India

B.E. '60, University of Madras. Major: In-
dustrial Engineering. Minor: Statistics. Thesis:
Effects of Mold Temperature on the Me-
chanical Properties of Investment Cast Stain-
less Steel.

Master of Science in Mechanical Engineering

David Paul Fleming, Minneapolis
B.S. with high distinction '61, University of
Minnesota. Field of Concentration: Mechani-
cal Engineering.

Dale Allen Lundgren, Duluth
B.M.E. with distinction '58, University of
Minnesota. Major: Mechanical Engineering.
Minor: Mathematics. Thesis: The Effect of
Particle Electrostatic Charge on Filtration by
Fibrous Filters.

Phillip Pickman, Minneapolis
B.S. '60, University of Minnesota. Field of
Concentration: Mechanical Engineering.

Kwang-Tien Shih, China
B.S. in Eng. '56, National Taiwan University.
Major: Mechanical Engineering. Minor:
Mathematics. Thesis: Equation of State and
Transport Properties of Helium.

Hao-sheng Yu, Taipei, Formosa
B.S. in Eng. '57, National Taiwan University.
Field of Concentration: Mechanical Engineer-
ing.

Master of Science in Mineral Engineering

Jay Jerome Williams, Virginia
B.S.Mng. in Eng. '59, Michigan College of
Mining and Technology. Field of Concentra-
tion: Mineral Engineering.

Master of Science in Orthopedic Surgery

Sherwin Sanford Kornblum, Los Angeles, Calif.

B.A. '52, University of California; M.D. '57, University of Chicago. Major: Orthopedic Surgery. Minor: Pathology. Thesis: The Micro-radiographic Morphology of Bone From Ischemic Limbs.

Master of Science in Surgery

Kent Walker Barber, Jr., Quincy, Ill.

B.A. '52, Williams College; M.D.C.M. '57, McGill University. Major: Surgery. Minor: Pathology. Thesis: Prognosis of Carcinoma of the Endometrium Related to the Depth of Penetration Using a Modification of Duke's Typing.

Master of Social Work

Ann McDowell Altman, Silver Spring, Md.

B.A. *cum laude* '58, Westminster College. Field of Concentration: Social Work.

Ida Benjamin, Minneapolis

B.A. '49, American University (Cairo, Egypt). Field of Concentration: Social Work.

Robert Lavern Bergherr, Bloomington

B.A. '54, College of St. Thomas. Field of Concentration: Social Work.

Daniel Clair Boyle, Sheldon, N.D.

B.S. '58, St. John's University (Minn.). Field of Concentration: Social Work.

Allen Eric Brown, Remer

B.A. '60, University of Minnesota. Field of Concentration: Social Work.

James Larry Brusseau, St. Paul

B.A. '55, Gustavus Adolphus College. Field of Concentration: Social Work.

Paul Kragh Caspersen, Minneapolis

B.S. '59, University of Minnesota. Field of Concentration: Social Work.

Gordon Howard Day, Granite Falls

B.A. '60, St. Olaf College. Field of Concentration: Social Work.

Elaine B. Dysthe, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Social Work.

Merle Alvin Fossum, Webster

B.A. '60, St. Olaf College. Field of Concentration: Social Work.

Roberta Jewel Larson, Minneapolis

B.A. *magna cum laude* '57, University of Minnesota. Field of Concentration: Social Work.

Ruth Helen Luhman, Mahanomen

B.A. '58, University of Minnesota. Field of Concentration: Social Work.

Sharon Kathleen McNulty, Minneapolis

B.A. '60, College of St. Catherine. Field of Concentration: Social Work.

William Frederick McRae, Minneapolis

B.A. '50, Gustavus Adolphus College. Field of Concentration: Social Work.

Miriam Hurshman Milgram, Minneapolis

B.S. in Ed. '33, University of Pennsylvania. Field of Concentration: Social Work.

Zahida A. M. Noorani, Bombay, India

B.A. '55, University of Bombay. Field of Concentration: Social Work.

Swan Khiem Sie Ong, Djakarta,
Indonesia

B.L.B. '51, Municipal University (Holland);
M.L. '54, State University (Holland). Field
of Concentration: Social Work.

Beverly Louise Otterness, St. Paul

B.A. with high honors '58, Bethel College
(Minn.). Field of Concentration: Social
Work.

Karen Louise Peterson, Anoka

B.A. '60, University of Minnesota. Field of
Concentration: Social Work.

Howard LeRoy Rod, Minneapolis

B.A. '59, University of Minnesota. Field of
Concentration: Social Work.

Richard Aram Samelian, Rochester

B.A. '55, University of Minnesota. Field of
Concentration: Social Work.

'Tai Doris Shigaki, Minneapolis

B.A. '44, Denison University. Field of Con-
centration: Social Work.

Elaine Roslyn Somers, Chicago, Ill.

B.A. '60, Roosevelt University. Field of Con-
centration: Social Work.

Therese Kathleen Travis, North
St. Paul

B.A. '60, College of St. Catherine. Field of
Concentration: Social Work.

Charles Vincent Turnbull, Lexington

B.A. '60, University of Minnesota. Field of
Concentration: Social Work.

David Adolph Witt, Minneapolis

B.A. '60, University of Minnesota. Field of
Concentration: Social Work.

Certificate of Specialist in Education

Wilma Adeline Swedburg, Minne-
apolis

B.S. '54, M.A. '56, University of Minnesota.
Field: Elementary School Administration.

Grace Jacobson Warfield, Minneapolis

B.S. '30, M.A. '58, University of Minnesota.
Field: School Psychological Services.

Doctor of Philosophy

Curtis Burdette Akenson, Minneapolis

B.S. '42, M.A. '49, University of Minnesota.
Major: Political Science. Minor: Education.
Thesis: Selected Facets of Community Influ-
ence on Political Power in the Redevelopment
of the Minneapolis Lower Loop. Major Ad-
viser: Prof. G. A. Warp.

Roger Lee Arnoldy, Minneapolis

B.S. *summa cum laude* '56, St. Mary's College
(Minn.); M.S. '59, University of Minnesota.
Major: Physics. Minor: Mathematics. Thesis:
A Study of the Outer Zone of the Van Allen
Trapped Radiation During August and Sep-
tember, 1959. Major Adviser: Prof. J. R.
Winckler.

William Sheridan Allen, Winnetka,
Ill.

B.A. '55, University of Michigan; M.A. '56,
University of Connecticut. Major: History.
Minor: Political Science. Thesis: The Nazi
Seizure of Thalburg Power in a Single Ger-
man Town, 1930 to 1935. Major Adviser:
Prof. H. C. Deutsch.

Duncan Hall Baird, St. Paul

B.A. '39, Yale University; LL.B. '42, Uni-
versity of Michigan; M.A. '59, University of Min-
nesota. Major: Political Science. Minor: His-
tory. Thesis: Judicial Control of Administra-
tive Action in Minnesota: An Analysis with
Proposals for a Uniform Form of Review. Ma-
jor Adviser: Prof. H. W. Chase.

Emil Thorvald Andersen, St. Paul

B.Sc. '41, M.Sc. '43, University of Alberta.
Major: Horticulture. Minor: Botany. Thesis:
Some Factors Affecting Iron Uptake by Straw-
berry Plants. Major Adviser: Prof. R. E. Ny-
lund.

Richard Morell Barker, Cambridge

B.S. in C.E. with high distinction '55, M.S.
in C.E. '56, University of Minnesota. Major:
Civil Engineering. Minor: Mathematics. The-
sis: Folded Plate Analysis Using a Digital
Computer and Experimental Model Studies.
Major Adviser: Prof. Paul Andersen.

Laddie John Bicak, Dodge, Neb.

B.S.Ed. '50, Wayne State Teachers College; M.Ed. '54, University of Nebraska. Major: Education. Minor: Educational Administration. Thesis: Achievement in Eighth Grade Science by Heterogeneous and Homogeneous Classes. Major Adviser: Prof. C. H. Boeck.

Jacob Gordon Birnberg, Minneapolis

B.B.A. with high distinction '56, M.B.A. '58, University of Minnesota. Major: Business Administration. Minor: Law. Thesis: The Effect of the Concept of Corpus on Business and Accounting Decisions. Major Adviser: Prof. C. L. Nelson.

**Glenn Edward Bowie, Toronto,
Ontario, Canada**

B.S. '54, Columbia University; M.S. '60, University of Minnesota. Major: Mechanics and Materials. Minor: Geology. Thesis: Experiments on the Contact Problem of Spheres Subjected to Normal Loading. Major Adviser: Prof. L. E. Goodman.

**William John Boylan, Bozeman,
Mont.**

B.S. '52, Montana State College; M.S. '59, University of Minnesota. Major: Animal Husbandry. Minor: Plant Genetics. Thesis: Quantitative Inheritance in Mice as Revealed by Responses to Selection. Major Adviser: Prof. R. E. Comstock.

Lloyd A. Brinkerhoff, Stillwater, Okla.

B.S. '37, M.S. '39, University of Arizona. Major: Plant Pathology. Minor: Plant Genetics. Thesis: Variability of *Xanthomonas malvacearum*, the Cotton Bacterial Blight Pathogen. Major Adviser: Prof. C. J. Eide.

Joel Wilbur Broberg, Fargo, N.D.

B.A. '32, Macalester College; M.A. '40, University of Minnesota. Major: Education. Minor: Chemistry. Thesis: An Experimental Evaluation of Two Methods of Problem Solving in Freshman College General Chemistry. Major Adviser: Prof. C. H. Boeck.

**Colin Bertram Brown, Warwickshire,
England**

B.Sc.(Eng.) '53, University of London; A.K.C. '53, King's College (London). Major: Mechanics and Materials. Minor: Civil Engineering. Thesis: Incremental Analysis of Gravitational Stresses in Embankments and Their Effect Upon the Failure of Earth Structures. Major Adviser: Prof. L. E. Goodman.

**Albert Valentine Buettner, Floral
Park, N.Y.**

B.S. '55, Fordham University. Major: Physical Chemistry. Minor: Inorganic Chemistry. Thesis: An Experimental Study of the Labile Species of Acridine and Phenazine Molecules. Major Adviser: Prof. R. S. Livingston.

Robert L. Butler, Carmichael, Calif.

B.A. '40, Park College; M.S. '51, University of Minnesota. Major: Economic Zoology. Minor: Botany. Thesis: The Status of the Freshwater Drum, *Aplodinotus grunniens rafinesque*, in the Commercial Fishery of the Upper Mississippi River. Major Adviser: Prof. L. L. Smith.

**Marion Kathleen Cooney, Minne-
apolis**

B.A. '39, College of St. Benedict; M.S. '53, University of Minnesota. Major: Microbiology. Minor: Agricultural Biochemistry. Thesis: A Newly Recognized Enterovirus. Major Adviser: Prof. L. C. McLaren.

**Patrick James Barry Duffy, Calgary,
Alberta, Canada**

B.S.F. '55, University of British Columbia; M.F. '56, Yale University. Major: Forestry. Minor: Soils. Thesis: Relationships Between Site Factors and Growth of Lodgepole Pine (*Pinus contorta* Dougl. var. *latifolia* Engelm.) in the Foothills Section of Alberta. Major Adviser: Prof. D. P. Duncan.

Edward John Dvorak, St. Paul

B.S. '40, M.Ed. '47, M.P.H. '52, University of Minnesota. Major: Education. Minor: Public Health. Thesis: Characteristics of University Students with Regard to Acceptance and Rejection of Polio Vaccination. Major Advisers: Profs. R. J. Donnelly and R. E. Grout.

**Gordon Ross Eastwood, Perth,
Australia**

B.Ed. '53, Cert. Ed.Ad. '53, B.A. '58, University of Western Australia; M.A. '60, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Philosophical Analysis and Language in Education. Major Adviser: Prof. R. H. Beck.

Theodore Henry Eickholt, Lambertton

B.S. in Pharm. '55, University of Minnesota. Major: Pharmacology. Minors: Pharmaceutical Chemistry and Biostatistics. Thesis: A Study of Iron Absorption in Mice as Modified by Various Agents. Major Adviser: Prof. W. F. White.

Lillian Nina Miller Emmons, Penticton, British Columbia, Canada

B.H.E. '54, University of British Columbia; M.Sc. '57, University of Manitoba. Major: Home Economics. Minor: Public Health. Thesis: The Relationship of the Quantity and Quality of Dietary Fat to Serum Cholesterol Levels in Men of Different Ages and Weights. Major Adviser: Prof. L. M. Morse.

Ronald Eugene Engel, Perham

B.S. '52, D.V.M. '54, University of Minnesota. Major: Veterinary Medicine. Minor: Radiology. Thesis: Hematological Studies of the Burro Exposed to Cobalt -60 Irradiation to the Region of the Head. Major Adviser: Prof. F. A. Spurrell.

Bertrand Tien-chueh Fang, Taipei, China

B.S. in Eng. '54, National Taiwan University; M.S. '57, Iowa State College. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: On a Theory of Inflatable Shells. Major Adviser: Prof. C. C. Chang.

David Blaine Ferguson, Valier, Mont.

B.S. '50, Montana State College. Major: Plant Genetics. Minor: Botany. Thesis: Combining Ability in Zea Mays as Influenced by Planting Density. Major Adviser: Prof. E. H. Rinke.

Alden Reynolds Galbraith, Minneapolis

B.E.E. with high distinction '56, M.S. in E.E. '58, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Probe Noise in Gas Discharges. Major Adviser: Prof. Aldert van der Ziel.

Robert Kay Gerloff, Hamilton, Mont.

B.Sc. '44, M.A. '48, University of Nebraska. Major: Microbiology. Minor: Public Health. Thesis: Precipitation of Radiolabeled Poliovirus with Specific Antibody and Antiglobulin. Major Adviser: Prof. L. C. McLaren.

Donald Werner Gieschen, Tempe, Ariz.

B.S. '50, Northwestern University; M.A. '53, University of Minnesota. Major: Philosophy. Minor: Psychology. Thesis: C. D. Broad's Philosophy of Logic. Major Adviser: Prof. Herbert Feigl.

Russell Newell Grimes, Ridgewood, N.J.

B.S. in Chem. '57, Lafayette College. Major: Inorganic Chemistry. Minor: Physical Chemistry. Thesis: The Preparation and Characterization of Decaborane (16) and Related Studies. Major Adviser: Prof. P. R. O'Connor.

Jay Paul Gurian, Harrison, N.Y.

B.A. '51, Syracuse University; M.A. '58, University of Hawaii. Major: American Studies. Thesis: Two Western Mining Communities: A Study of Their Actual Development and Their Mythology. Major Adviser: Prof. B. Bowron.

Josef Hadar, Israel

B.A. '57, State College of Washington. Major: Economics. Minor: Political Science. Thesis: Stock-Flow Analysis Applied to Consumer Behavior. Major Adviser: Prof. O. H. Brownlee.

Lyle Jay Hanson, Windom

B.S. '47, University of South Carolina; D.V.M. '52, University of Minnesota. Major: Veterinary Medicine. Minor: Pathology. Thesis: Studies on Parakeratosis and Exudative Epidermitis in Swine. Major Adviser: Prof. D. K. Sorensen.

Clarence Eugene Harms, Hillsboro, Kan.

B.A. with high honors '55, Tabor College; M.A. '57, University of Kansas. Major: Zoology. Minor: Botany. Thesis: The Development and Cultivation of the *Acanthocephalan, Octospinifer macilentis* Van Cleane, 1919. Major Adviser: F. G. Wallace.

Milo Irving Harpstead, Wilmot, S.D.

B.S. '53, M.S. '57, South Dakota State College. Major: Soils. Minor: Geology. Thesis: A Pedological Characterization of Some Profiles in the Gray Wooded Soil Area of Minnesota. Major Advisers: Profs. W. P. Martin and R. H. Rust.

Alexander Arthur Hayday, Minneapolis

B.S. '55, University of Minnesota. Major: Fluid Mechanics. Minor: Mathematics. Thesis: Fundamental Equations of Multicomponent Fluid Continua with an Application to Problems Encountered in Mass Transfer Cooling With a Reacting Light Weight Gas. Major Advisers: Profs. E. R. G. Eckert and J. B. Serrin.

Richard Carroll Herschler, St. Paul

B.S. '54, D.V.M. '56, University of Minnesota. Major: Veterinary Medicine. Minor: Bacteriology. Thesis: The Diagnosis of Vibriosis in the Bovine. Major Adviser: Prof. D. K. Sorensen.

Harley Edward Hiller, Bellingham, Wash.

B.A. *magna cum laude* '49, Westmar College; M.A. '51, University of Minnesota. Major: History. Minor: Political Science. Thesis: The Development of an Inter-American Peace System. Major Adviser: Prof. W. D. Beatty.

Mary Catherine Howell, Minneapolis

B.A. *cum laude* '54, Radcliffe College; M.A. '58, University of Minnesota. Major: Child Development. Minor: Psychology. Thesis: Some Effects of Chronic Illness on Children and their Mothers. Major Adviser: Prof. H. W. Stevenson.

Richard M. Hyde, Pierre, S.D.

B.A. '55, M.A. '56, University of South Dakota. Major: Microbiology. Minor: Agricultural Biochemistry. Thesis: Studies on Streptococcal Diphosphopyridine Nucleotidase. Major Adviser: Prof. D. W. Watson.

Neal Frederick Johnson, Willmar

B.A. '56, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: The Cue Value of Sentence Frames for the Acquisition of Speech Categories. Major Adviser: Prof. J. J. Jenkins.

Joseph George Knapp, St. Louis, Mo.

B.A. '48, St. Louis University; M.A. '53, Marquette University. Major: American Studies. Thesis: Tortured Torturer of Reluctant Rhymes *Melville's Clarel*, An Interpretation of Post-Civil War America. Major Adviser: Prof. D. W. Noble.

Margaret Noble Lahey, Minneapolis

B.S. '41, M.A. '53, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: Characteristics of Graduates and Non-graduates at a Teacher Education Institution. Major Adviser: Prof. W. H. Edson.

Raymond John Lammers, Hopkins

B.A. *cum laude* '51, College of St. Thomas; M.A. '56, University of Minnesota. Major: Speech and Theater Arts. Minor: English. Thesis: An Analysis of a Representative Sample of Plays Written and Used by the Chinese Communists for Propagandistic Purposes. Major Adviser: Prof. K. L. Graham.

Arnold Walfred Lindall, Jr., Minneapolis

B.A. *magna cum laude* '55, University of Minnesota. Major: Anatomy. Minor: Physiological Chemistry. Thesis: The Pyridine Nucleotides: A Study of a Method of Measurement—A Study of the Alterations in Rat Liver Under the Conditions of Diabetes and Starvation—A Preliminary Study of Various Marine Fish Tissues with the Emphasis on the Islet of Langerhans. Major Adviser: Dr. Arnold Lazarow.

Joseph David Mullen, Green Isle

B.Sc. '56, College of St. Thomas. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Studies on the Nature of the Protein Sites Involved in the Interaction of Bovine Serum Albumin with Detergents. Major Adviser: Prof. D. R. Briggs.

David Vernon Myhre, St. Paul

B.A. '54, Concordia College; M.S. '55, North Dakota Agricultural College. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Constitution of the Hemicelluloses of Alfalfa (*Medicago sativa*) and Brome Grass (*Bromus inermis*). Major Adviser: Prof. Fred Smith.

Robert James Oakes, Minneapolis

B.S. with high distinction '57, M.S. '59, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Sigma-Lambda Conversion and Elastic Lambda-Proton Scattering. Major Adviser: Prof. S. G. Gasiorowicz.

Ronald Henry Olsen, Sleepy Eye

B.A. '57, M.S. '59, University of Minnesota. Major: Microbiology. Minor: Agricultural Biochemistry. Thesis: Physiological Studies on Psychrophilic Bacteria with Regard to Nutritional Requirements and Metabolic Mechanisms at Low Temperatures. Major Adviser: Prof. J. J. Jezeski.

Mary Elizabeth Pollock, Helena, Mont.

B.A. '41, Montana State University; M.S. '57, University of Minnesota. Major: Microbiology. Minor: Physiological Chemistry. Thesis: Pleuropneumonia-Like Organisms in Mammalian Cell Cultures: Their Significance. Major Adviser: L. C. McLaren.

Frederick Albert Poor, DeKalb, Ill.

B.S. '48, Ball State Teachers College; M.S. '50, University of Michigan. Major: Education. Minor: Educational Psychology. Thesis: The Similarities and Differences in the Successful and Unsuccessful Second-Semester Accounting Students at Northern Illinois University. Major Adviser: Prof. R. G. Price.

J. Lucille Poor, St. Paul

B.S. in Ed. '30, University of North Dakota; M.A. '47, University of Minnesota. Major: Social Work. Minor: Sociology. Thesis: Historical Growth and Development of Attitudes, Care and Treatment in Minnesota Mental Hospital Program. Major Adviser: Prof. J. C. Kidneigh.

Charles William Roberts, Tulsa, Okla.

B.S. '55, Oklahoma Agricultural and Mechanical College; M.S. '58, University of Minnesota. Major: Poultry Husbandry. Minors: Zoology and Statistics. Thesis: Genetic-Nutritional Interactions as Affecting the Early Growth Rate of Chickens. Major Adviser: Prof. E. L. Johnson.

Donald Charles Schmiede, Antigo, Wis.

B.S. '52, M.S. '58, University of Minnesota. Major: Entomology. Minor: Plant Pathology. Thesis: The Biology and Host-Parasite Relationships of a Neoplectanid Nematode Parasitic on Some Forest Insect Pests. Major Adviser: Prof. A. C. Hodson.

Joseph Peter Schnitzen, Kingsville, Tex.

M.A. '52, University of Chicago. Major: Education. Minor: Educational Psychology. Thesis: Assessment of Certain Personality Potentials in Relation to Student Teaching. Major Advisers: Profs. C. G. Wrenn and R. E. Eckert.

Morris Waldt Self, White Bear Lake

B.C.E. with distinction '50, M.S.C.E. '53, University of Minnesota. Major: Civil Engineering. Minor: Aeronautical Engineering. Thesis: An Investigation of the Ultimate Strength of Reinforced Concrete Flat Slab Floors. Major Adviser: Prof. Paul Andersen.

Vipin Kumar Singh, Bijnor, India

B.V.Sc. and A.H. '56, University of Agra; M.S. '58, University of Minnesota. Major: Dairy Husbandry. Minor: Animal Husbandry. Thesis: Feed Additives in Livestock Rations Part I Urea in Dairy Rations Part II Use of Thyroprotein in Cattle Nutrition. Major Adviser: Prof. J. D. Donker.

David Edwin Smith, Bloomington, Ind.

B.A. '48, Middlebury College; M.A. '57, University of Minnesota. Major: American Studies. Thesis: John Bunyan in America: A Critical Inquiry. Major Adviser: Prof. Bernard Bowron.

Edward Lee Smith, Apache, Okla.

B.S. '54, M.S. '59, Oklahoma State University. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Early Generation Testing of Diallel Crosses in Barley. Major Adviser: Prof. J. W. Lambert.

Everett Gorsuch Smith, Jr., Champaign, Ill.

B.A. '53, M.A. '56, University of Illinois. Major: Geography. Minor: Sociology. Thesis: Road Functions in a Changing Rural Environment. Major Adviser: Prof. J. R. Borchert.

Manuel Soldevila, Hato Rey, Puerto Rico

B.S. in Ag. '58, University of Puerto Rico; M.S. '58, University of Minnesota. Major: Animal Husbandry. Minor: Physiological Chemistry. Thesis: Amino Acid Supplementation of Barley Diets for Growing Swine. Major Adviser: Prof. R. J. Meade.

Dale Grow Stallings, Lewisville, Idaho

B.S. with high distinction '50, University of Idaho; M.S. '52, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic-Engineering Analysis of the Methods and Costs of Packing Plums. Major Adviser: Prof. E. F. Koller.

Zal Sohrab Tarapore, Hyderabad, India

B.Sc. '53, University of Edinburgh; M.S. '56, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: A Theoretical and Experimental Determination of the Erosion Pattern Caused by Obstructions in an Alluvial Channel with Particular Reference to Vertical Circular Cylindrical Piers. Major Adviser: Prof. L. G. Straub.

Auke Tellegen, Ann Arbor, Mich.

Graduate '57, University of Amsterdam. Major: Psychology. Minor: Zoology. Thesis: The Effect of Genetic and Experimental Factors Upon Emotional Reactions in Mice. Major Adviser: Prof. Gardner Lindzey.

Charles Raymond Ure, Morden,
Manitoba, Canada

B.Sc. '37, M.Sc. '39, University of Alberta.
Major: Horticulture. Minor: Plant Genetics.
Thesis: A Study of the Parental Value of Nine
Red Raspberry Varieties with Respect to Com-
bining Ability and Inheritance of Vigor and
Hardiness. Major Adviser: Prof. A. N. Wilcox.

James Ralla Williams, Minneapolis

B.A. *cum laude* '57, M.A. '60, University of
Minnesota. Major: Economics. Minor: History.
Thesis: An Estimation of the Parameters in
the Regression of Observed Consumption on
Observed Income When Both Are Assumed to
Include Random Variables. Major Adviser:
Prof. Edward Coen.

Harvey David Winston, Minneapolis

B.A. *magna cum laude* '58, University of Min-
nesota. Major: Psychology. Minor: Zoology.
Thesis: Influences of Genotype and Infantile
Experience on Adult Learning in Mice. Major
Adviser: Prof. Gardner Lindzey.

Willard Raymond Zemlin, Two
Harbors

B.A. '57, M.S. '60, University of Minnesota.
Major: Speech Pathology. Minor: Psychology.
Thesis: A Comparison of the Periodic Func-
tion of Vocal Fold Vibration in a Multiple
Sclerosis and a Normal Population. Major
Adviser: Prof. E. H. Henrikson.

Doctor of Philosophy in Pathology

Jack L. Titus, Rochester

B.S. '48, University of Notre Dame; M.D. '52,
Washington University. Major: Pathology.
Minor: Hematology. Thesis: The Atrioven-
tricular Conduction System in Congenital
Ventricular Septal Defect. Major Adviser: Dr.
A. H. Baggenstoss.

Summary of Degrees Conferred by the University During the Academic Year 1961-62

Conferred July, August, and December 1961; March 1962.....	2755*
Conferred June 1962 (subject to completion of requirements).....	2850
Total degrees conferred 1961-62.....	5605

* Includes 182 conferred at Duluth.

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 near the upper part of 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 Extension Division.....	orange and drab
General College	crimson and white
College of Science, Literature, and the 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 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 insignia may be easily secured anywhere in the world. And it is always worn proudly and with distinction—for ours is a great University.

THE
UNIVERSITY OF MINNESOTA

Announces Its

July Commencement

1962

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, JULY 12

AT EIGHT O'CLOCK



University of Minnesota

THE BOARD OF REGENTS

Dr. O. Meredith Wilson, President

Mr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

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 Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable Bjarne E. Grottum, Jackson

The Honorable Robert E. Hess, White Bear Lake

The Honorable Fred J. Hughes, St. Cloud

The Honorable A. I. Johnson, Benson

The Honorable Lester A. Malkerson, Minneapolis

The Honorable A. J. Olson, Renville

The Honorable Otto A. Silha, Minneapolis

The Honorable Herman F. Skyberg, Fisher

SMOKING AND USE OF CAMERAS—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 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 eleventh birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the youth of today, the citizens of tomorrow. Each year, physicians, lawyers, engineers, social workers, educators, journalists, dentists, veterinarians, farmers, businessmen—community and civic leaders in all fields—go from its several campuses to participate actively in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded more than 159,000 degrees to its students who have completed the rigorous training demanded by the complexities of modern society.

In addition to giving collegiate instruction to more than 30,000 students on its Minneapolis, St. Paul, Duluth, and Morris 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. Still in addition, its staff members who are county agents, home agents, 4-H Club agents, and recreation and health consultants give effective assistance to citizens of the state in their very homes.

In the diverse research laboratories on the University's four 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 Mayo Foundation at Rochester, 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 deal with cancer, heart surgery, taconite, gamma irradiation, cheese-making, teacher training, municipal government, school surveys, and new varieties of grains, fruits, and flowers, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the University Artists Course, Radio Station KUOM, the University Theater, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings to more than a million and a half people in the area it serves, artists and lecturers of quality and talent.

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, living 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. Contributions have made it possible to build 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 thoughtful cooperation has made hundreds of scholarships and fellowships available each year to students of promise. Chiefly because of financial difficulties, only one-half of the Minnesota high school graduates of high ability enter any college or university. Because of this, the friends and supporters of the University are constantly trying to increase the number of scholarships and the amount of money available for such assistance.

Over recent years, much of the University's energy has gone into the necessary planning for the anticipated increases in future enrollments. At present about half of the students in Minnesota colleges and universities attend the University of Minnesota. If the other institutions continue to take this same percentage of these students, not less than 48,000 full-time, fully matriculated students will be attending the University in 1970. This means more teachers, more civil service staff members, more land, and more buildings.

THE 1961 LEGISLATURE granted the University \$49,068,181 for general maintenance during the 1961-63 biennium. In addition, the University received \$6,938,423 for University Hospitals; \$4,432,496 for special appropriations, including special extension and research activities; and \$7,789,351 (\$288,451 now available) for new buildings, land, and for the rehabilitation of existing buildings.

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 1960-61 showed that the University received \$99,915,127.70 and spent \$99,915,799.55 including \$7,071,288.38 paid for the construction and remodeling of buildings and the purchase of land. Of the total received, \$17,296,674.64 came from student tuition and fees, hospital and other department receipts; \$1,642,152.76 from intercollegiate athletics, \$16,187,501.59 from such services as dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, the University Theater, and the Health Service, and from revolving funds; and \$22,781,979.60 from trust funds, including gifts, grants, donations, and income from endowments and research contracts for instruction, research, prizes, scholarships, and the care of the sick. Also \$4,301,271.13 came from federal appropriations for instruction, research, Agricultural Extension, and plant expansion. The state provided \$30,468,443.07, or 35.0% for the University's total operating costs.

All students at the University, their families and friends are invited to continue their enthusiasm and interest in the University of Minnesota. Graduates are especially urged to identify themselves with the Minnesota Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

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 7:15 to 7:45 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Mr. Lowell Lindgren, SLA '64, 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.

ORGAN PRELUDE: From 7:30 to 8:00 p.m., Associate 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 8:00 p.m., Associate Professor Forrest G. Moore, Ph.D., College of Education, Faculty Marshal, will carry the Mace into the auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal Moore, 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:

Voluntary (No. I) - - - - - Purcell

ON THE STAGE: The curtain will be opened when the Mace Bearer enters. Seated on the stage, from left to right, in the front tier, is Assistant Professor Jay Ce Meiske, Ph.D., Institute of Agriculture, Marshal. Seated in the main front row, from left to right, are: Recorder True E. Pettengill, M.S., Admissions and Records; Lieutenant Colonel William B. Carlton, Jr., USA, Assistant Professor of Military Science; Dean Errett W. McDiarmid, Ph.D., College of Science, Literature, and the Arts; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Vice President Laurence R. Lunden, LL.D., Business Administration; The Honorable Fred J. Hughes, Regent of the University of Minnesota; Dean Walter W. Cook, Ph.D., College of Education; Dean Robert B. Howard, M.D., College of Medical Sciences; Dean E. W. Ziebarth, Summer Session; The Honorable Bjarne E. Grottum, Regent of the University of Minnesota; Vice President Malcolm M. Willey, Ph.D., Academic Administration; Dean Clarence Woodrow Sorensen, Ph.D., Illinois State Normal University, Commencement Speaker; President O. Meredith Wilson, Ph.D., University of Minnesota; The Honorable Charles W. Mayo, M.D., First Vice President and Chairman of the Board of Regents of the University of Minnesota; Associate Dean Francis M. Boddy, Ph.D., Graduate School; The Reverend Roy C. Lepak, Adviser to Catholic students and staff members on the St. Paul Campus of the University; Vice President of Educational Relationships and Development Stanley J. Wenberg, M.A.; The Honorable Richard L. Griggs, Regent of the University of Minnesota; Dean Paul V. Grambsch, D.B.A., School of Business Administration; Assistant Dean Keith N. McFarland, Ph.D., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Associate Dean J. William Buchta, Ph.D., University College; Associate Dean

Order of Events

Alfred L. Vaughan, Ph.D., General College; Professor Edwin L. Haislet, Ed.D., Executive Secretary of the Minnesota Alumni Association; Professor Roy A. Schuessler, M.M., Music. Seated in the front tier, from left to right, are: Professor Andrew Hustrulid, Ph.D., Institute of Agriculture, Marshal; Professor Ralph H. Hopp, Ph.D., Library, 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 remain standing for the National Anthem and the Invocation.

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

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

INVOCATION: The Reverend Roy C. Lepak.

SPEAKING FOR THE UNIVERSITY: President O. Meredith Wilson.

COMMENCEMENT ADDRESS: Dr. Clarence Woodrow Sorensen, Dean of Graduate Studies, Illinois State Normal University, and President-elect of Augustana College, Rock Island, Illinois, *Revolution and Illusion*.

CONFERRING OF ROTC CERTIFICATES: Vice President Willey will introduce Lieutenant Colonel Carlton who will present the candidates for commissions in the Army. Certificates of ROTC completion will be presented by President Wilson.

PRESENTATION OF CANDIDATES: Vice President Willey 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: Associate Dean Vaughan for the General College; Dean McDiarmid for the College of Science, Literature, and the Arts; Acting Dean Verbrugge for the Institute of Technology; Assistant Dean McFarland for the College of Agriculture, Forestry, and Home Economics of the Institute of Agri-

Order of Events

culture; Dean Cook for the College of Education; Dean Grambsch for the School of Business Administration; Dean Howard for the College of Medical Sciences; Associate Dean Boddy 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: Professor Edwin L. Haislet.

PRESENTATION OF DIPLOMAS: With Dean Ziebarth presiding, members of the July graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Associate Dean Boddy to President Wilson, who will confer the degrees.

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

Minnesota, hail to thee!
Hail to thee, our college dear!
Thy light shall ever be
A beacon bright and clear;
Thy sons and daughters true
Will proclaim thee near and far;
They will guard thy fame
And adore thy name;
Thou shalt be their Northern Star.

Like the stream that bends to sea,
Like the pine that seeks the blue,
Minnesota, still for thee
Thy sons are strong and true;
From thy woods and waters fair,
From thy prairies waving far,
At thy call they throng
With their shout and song,
Hailing thee their Northern Star.

POSTLUDE: Associate Professor Fleischer, organist.

Voluntary (No. II) - - - - - Purcell

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

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 as indicated on those listed below and upon such others as may meet the requirements for Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Corps of Engineers

Franklin R. Jaeger, St. Paul

Thomas R. Moore, Jr., Rochester

Second Lieutenant, Medical Service Corps

Thomas A. Gruber, Minneapolis

Second Lieutenant, Ordnance Corps

Carl W. Baumeister, St. Paul

Second Lieutenant, Signal Corps

Ralph E. Skoe, Northome

Second Lieutenant, Transportation Corps

Floyd W. Olson, Minneapolis

Karl K. Pedersen, 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 COLLEGE

Associate in Arts

Raymond Donald Anderson, Minneapolis
Frank John Belgea, St. Paul
Douglas Dwayne Cyrus, Minneapolis
Peter William Dahl, Edina
Lane Ann Dexter, Long Lake
Thomas John Griffiths, Minneapolis
Phillip Ronald Karter, Minneapolis

Jerry Dean Lavoy, Brookston
Wayne Richard Paris, Minneapolis
Marilyn Carol Reilly, Minneapolis
Sheridan Phillip Spande, Bloomington
Gary Dale Stitz, Minneapolis
Jerrold Allen Swanson, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Gary Allen Carlson, St. Louis Park
Keith Thomas Dahlen, Minneapolis
Lewis Houck, Minneapolis
Mary Lou Larson, St. Paul

Geraldine Eileen Lungstrum, Minneapolis
Lorraine Ethrine Tompkins, St. Paul

Bachelor of Arts

Assibi O Abudu, Navrongo, Ghana,
CUM LAUDE
Margaret Barrows, Wayzata
Roger Allan Berg, St. Paul
Alice Dorothy Berkins, Rochester
Janet Elizabeth Blomquist, Minneapolis
Robert Arnold Bonin, Minneapolis
Thomas Edmund Burke, Minneapolis,
MAGNA CUM LAUDE
Joseph Earl Cartwright, Detroit Lakes
Terry Clinton Christensen, Mahnomen
Lauren Stuart Clayman, Minneapolis
Peggy Ann Cooperman, Minneapolis

Carlyle Conrad Dewey, Minneapolis
Samuel Virgil Eason, Valdese, N.C.
Barbara L. Rawley Ebin, Minneapolis
Bob Eddy II, St. Paul
Howard Frank Eilers II, St. Paul
Roy Charles Elmquist, Minneapolis
Gary Warren Fehring, St. Paul
William Edward Fink, Minneapolis
Donald Vernon Finn, Jr., St. Paul
Colin Lee Fong, Port Elizabeth,
South Africa
Timothy Paul Gorman, Madison, Wis.
David Allen Haight, St. Louis Park
Richard Victor Hatten, A.L.A.,
St. Paul

Rollin James Hauer, Minneapolis
 Larry Dean Helliokson, Minneapolis
 Raymond Ardell Hogenson, Winger
 Karen Emma Holmberg, Pennock
 James Alan Holmer, Wayzata
 Susan Louise Holmgren, St. Paul
 Janet Carol Jackson, St. Paul
 Gary Lynn Jacobson, Owatonna
 Marilyn Mae Johnson, North Branch
 Rolf Altstadt Johnson, Long Lake
 Jay William Kane, Minneapolis
 Reymond Fauche Kirkman III, Minne-
 apolis
 Lawrence Joseph Lagerbauer, Minne-
 apolis
 Jon Paul Larson, Cokato
 Robert Gene Lundahl, Minneapolis
 Kaye J. Marsh Maki, St. Paul
 Douglas Adams Martin, Minneapolis
 William Robert McGregor, Great
 Falls, Mont.
 Michael Severt Mellum, Hibbing
 Gerald Everett Michelsen, Minne-
 apolis
 Marian Esther Friedell Milgram,
 Minneapolis
 Janet LeAnn Moe, Minneapolis
 Steven Ronny Mosow, Minneapolis
 William Everett Neal, White Bear
 Lake
 Floyd Wilbur Olson, Minneapolis

Roger Ernest Peterson, Hopkins
 Glen Fred Proechel, A.A., Janesville
 Peter Paul Quist, A.L.A., Minneapolis
 Raymond Harry Rice, Minneapolis
 Ruth Olive Rodewald, Minneapolis
 Kenneth Earl Rosing, Wayzata
 Daniel Joseph Scanlon, Minneapolis
 Richard John Schneider, A.L.A.,
 Loretto
 Norman Eugene Shapiro, Minneapolis
 Ralph Earl Skoe, Northome, CUM
 LAUDE
 Axel Hans-Lennard Soestmeyer,
 Bad Godesberg, Germany
 Gerald Francis Spiess, Minneapolis
 Helen Louise Straus, St. Paul
 Harold Edmund Streseman, Stewart
 Harry Louis Summerfield, St. Paul
 William Perine Taylor, A.A., Minne-
 apolis
 Glen Merlin Thompson, Minneapolis
 Claudia Eleanor B. Travisano,
 Watertown, Conn.
 Andrea Ruth Twedt, South St. Paul
 David Ainsworth Veeder, A.A.,
 Rochester
 Anthony Watson, Minneapolis
 Mary Ann Tema Weinberger, Minne-
 apolis
 Francis Clark Witter, Park Rapids

UNIVERSITY COLLEGE

Bachelor of Arts

Scott Altrath Godin, Minneapolis, CUM LAUDE

INSTITUTE OF TECHNOLOGY

Bachelor of Science

David Carl Peterson, Austin, WITH DISTINCTION

Bachelor of Aeronautical Engineering

Charles Bruce Hull, St. Paul

Bachelor of Chemistry

Margaret Marie Jordan, Minneapolis

Bachelor of Civil Engineering

Thomas Joseph Meisinger, St. Paul

Everett Gustav Nelson, Nisswa

Bachelor of Electrical Engineering

David Frederick Norlander,
Minneapolis

Edward Francis Wollack, St. Cloud

Bachelor of Mechanical Engineering

Roger Edwin Erickson, Trimont
Gary Frederick Legrand, St. Louis
Park

Thomas Franklin Tolppi, Sebeka

Bachelor of Physics

Gerald Allen Peterson, Minneapolis

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

Bachelor of Science

Clemons Dwain Bauer, Watertown,
Agriculture

Marie Louise Beardsley, Sauk Centre,
Home Economics

*Judith Ann Chaon, Braham, Home
Economics, WITH HIGH DISTINCTION*

George Dwight Church, Norwich,
Conn., Agriculture

Franklin Robert Jaeger, St. Paul,
Forestry

Rosalyn Ann Johnson, Robbinsdale,
Home Economics

Patricia Joanne Pedginski, Mountain
Iron, Home Economics

Deleen Albert Pengilly, South St. Paul,
Forestry

Frances Judith Ragon, Madison, Wis.,
Home Economics

Rita Marie Riedner, St. Paul, Home
Economics

Margaret Alice Born Schroeder,
Waseca, Home Economics

Verne Leonard Strandjord, Sacred
Heart, Agriculture

*Susan Elda Weiss, Hastings, Home
Economics, WITH HIGH DISTINCTION*

COLLEGE OF EDUCATION

Bachelor of Science

- Janet Mae Akenson, St. Paul
Kay Jean Alexander, Stillwater
John Leonard Allen, Wahpeton, N.D.
Daniel Roy Anderson, Elk River, WITH
DISTINCTION
Elizabeth Constance Matteson Bassett,
Worthington
John Jerome Crowley, St. Paul
Sarah Underhill Dobbins, B.A.,
Minneapolis
Paul Dupay, Fridley
Marjorie Ann Ekstrom, Minneapolis
David Thomas Erickson, Glenwood
Sharlene Ann Friederichs, Gaylord
Joseph Lambert Fritz, Cologne
Delores May Garcia, St. Paul
Marlys Esther Delgehausen Gross,
Minneapolis
Barbara Ann Gunner, Minneapolis
Richard Berger Halverson, Fergus
Falls
Carolee Jean Person Hanks, Big Lake,
WITH HIGH DISTINCTION
Lavern Warren Harden, Le Roy
Dianne Marie Heimendinger, Minne-
apolis
Jane Mary Hilger, St. Paul
Orlyn Marie Holen, Minneapolis
Frances Ann Hill Hoppenrath, Minne-
apolis
Laura Mae Dawson Howe, South
St. Paul, WITH DISTINCTION
Estelle Henrietta Jacobson, Edina,
WITH DISTINCTION
Donald Bickhart Johnson, Minneapolis
Marlys Lu Ann Olson Johnson,
Minneapolis
Pauline Irvin John Kelton, Minne-
apolis
Bette Carol Kerlan, B.A., Minneapolis
Karen Ann Kiesner, B.A., Minneapolis
Carmen Rebecca Jones Knoble,
Minneapolis
Barbara Ann Kramer, Minneapolis,
WITH DISTINCTION
Everett Lawrence LaBuda, St. Paul
Sandra Elizabeth Lind, St. Paul, WITH
DISTINCTION
Ramona Alberta McLane, A.A.,
Brainerd
Ida Eckman Mularie, Cloquet
Paul Arno Muller, Minneapolis
Marjorie Martin Nelson, Minneapolis
Jack Galen Nichols, St. Paul
Lloyd Oliver Ollila, Minneapolis
Lyle Arthur Olson, Ellendale, WITH
DISTINCTION
Avis Smith Oppegard, Anoka
Jacqueline Ann Ostrom, St. Paul
Karl Kristian Pedersen, West St. Paul
James Arthur Perault, Chippewa Falls,
Wis.
Carl Reah Perkins, St. Paul
Jane Elizabeth Peterson, Waseca
Mary Louise Peterson, Red Wing
Edwin Anthony Rath, A.L.A., Minne-
apolis
Joan Reinhardt, Minneapolis
Alice Mae Rengel, Willmar
Carol Faye Richmond, Minneapolis
Rose Marie Rolph, Minneapolis
Harry Lynd Schlieff, Rochester
Beverly J. Seeker, Minneapolis
Arthur Carl Sloth, B.A., Anoka
Dorothy Snider Smith, Minneapolis,
WITH DISTINCTION
Harry Louis Summerfield, St. Paul
Ronald George Sweeley, St. Paul
John McNamee Thompson, B.A.,
Hollywood, Calif.
Helen Marie Stenger Timmons,
Minneapolis
Ann Marie Titterud, Anoka
Harry Mark Tobin, B.B.A., West
St. Paul
Margaret Lee VanAlstine, Minne-
apolis
Richard August Willner, Minneapolis
Hedy Sue Woog, South St. Paul
Liberty Kardules Wright, Martins
Ferry, Ohio, WITH DISTINCTION*
William Robert Wright, Waterloo,
Iowa

* Nursing Education Curriculum

Master of Education

Charles Albert DeCorsey, B.A., Rich-
field
Helen Mae Geurtz, B.S.N., Antigo,
Wis.

Robert Lawrence McNeil, Ardmore,
Pa.

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

Bachelor of Science

Eileen Grace Anderson, North Branch,
Home Economics Education

Mary Elaine Cooke, Billings, Mont.,
Home Economics Education, WITH
DISTINCTION

Judith Joanne Ellestad, Mabel, Home
Economics Education, WITH DIS-
TINCTION

Marjorie Ann Freiheit, Zumbro Falls,
Home Economics Education, WITH
DISTINCTION

Susanne Carol Graham, Roberts, Wis.,
Home Economics Education, WITH
DISTINCTION

Gretchen Rauha Hagemeister, Rob-
binsdale, Home Economics Educa-
tion, WITH DISTINCTION

J. Wesley Hunt, Anoka, Agricultural
Education

Andrew Frank Marthaler, West Union,
Agricultural Education

Judith Barbara Mellin, Minneapolis,
Home Economics Education

John Edward Morris, Kilkenny, Agri-
cultural Education, WITH DISTINC-
TION

Jess Harold Mottaz, North St. Paul,
Agricultural Education

Clarice Lucille Rahn, Rosemount,
Home Economics Education

Elizabeth May Sandness, Duluth,
Home Economics Education, WITH
DISTINCTION

Joyce Colleen Tower, Minneapolis,
Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

Peter John Blomquist, St. Paul

Gerald L. Christensen, Detroit Lakes

Michael Eugene Cooper, Minneapolis

Thomas Smith Dinsmore, Isanti

Thomas Andrew Dodge, Edina

Irving George Dreher, St. Paul

David Murrell Ehlen, Minneapolis

Jack Earl Ellis, Edina

Victor Miles Evans, Blackduck

William Merle Hynes, St. Charles

Frederick Laurence Ihfe, St. Paul

David Gene Johnson, Franklin

LeRoy John Johnson, Aitkin

Kenneth Archer Lang, Kasson

John William Loeffler, Minneapolis

Arthur David Molke, Minneapolis

Bradley Phillip Nelson, Minneapolis

Bruce Warren Nordby, West St. Paul

Kenneth Clarence Peterson, Minne-
apolis

Stanley David Plys, Minneapolis

Charles Philip Schneider, A.A., Austin

John Rudolph Seeger, St. Paul

Charles Arthur Steinweg, Edina

Edward Arnold Stori, Durand, Wis.

Jerry Udseth, Rosemount

Bachelor of Science in Economics

Robert English Clifford, Jr., Hopkins
David Clark Jackson, Minneapolis
Thomas Harold Otley, Minneapolis

Rasmus Jon Tallaksen, Kristiansand,
Norway, WITH HIGH DISTINCTION

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

Bachelor of Agricultural Business Administration

Dennis Stephen Lucas, Browerville

Richard Clair Westmoreland, Rose
Creek

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing Administration

Mary McNellis Fonda, Waterloo,
Iowa

Gertrude Marie McLaughlin, Litch-
field

Bachelor of Science

Evelyn Nelson Atkinson, Kansas City,
Mo., Public Health Nursing
Susan Jean Cook, Minneapolis, Occu-
pational Therapy
Helen Margaret Degner, Fond du Lac,
Wis., Public Health Nursing
Dorothy Elaine Downey, Wichita,
Kan., Public Health Nursing, WITH
DISTINCTION

Gladys M. Johnson, R.N., Sandstone,
Public Health Nursing
Marie D. Lamoreux, Marshalltown,
Iowa, Public Health Nursing
Adelia Metcalfe Maginnis, Minne-
apolis, Public Health Nursing

Master of Public Health

Henry Preston Sanderson, B.S., Ottawa, Ontario, Canada

GRADUATE SCHOOL

Master of Arts

Carla Klein Anderson, Minneapolis

B.A. '57, Queen's College. Major: Sociology. Minor: Anthropology. Thesis: The Social Structuring of the Art of Specialized Communities.

Vernon Ronald Averch, Denver, Colo.

B.A. *magna cum laude* '60, University of Colorado. Field of Concentration: Industrial Relations.

Shmuel Ben-Dor, Ramai-Gan, Israel

B.A. '57, Hebrew University. Major: Anthropology. Minor: Sociology. Thesis: The Kinship System in the Old Testament and Its Relationships to Family Structure, Incest Prohibitions and Marriage Customs.

Lois Blaug, New York, N.Y.

B.A. '59, The City College of New York. Major: Sociology. Minor: Philosophy. Thesis: The Philosophical and Scientific Import of Karl Mannheim's Sociology of Knowledge.

Roger Curtis Blesi, Minneapolis

B.S. '55, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Karen Anita Bolander, Wayzata

B.A. *cum laude* '60, University of Minnesota. Field of Concentration: French.

Rachel Ann Bonney, St. Paul

B.A. *cum laude* '61, University of Minnesota. Major: Anthropology. Minor: Geography. Thesis: A Chronological Analysis of Southern Minnesota Woodland.

Delores Ann Braun, Osseo

B.S. '56, St. Cloud State College. Field of Concentration: Library Science.

Leonard Brill, Brooklyn, N.Y.

B.S. *cum laude* '57, Brooklyn College. Field of Concentration: English.

Michael Albert Bruland, Kingsburg, Calif.

B.A. '59, Fresno State College. Field of Concentration: Geography.

Roland George Buchman, St. Paul

B.S. with distinction '56, University of Minnesota. Field of Concentration: Statistics.

Elinor Anne Budelier, Milan, Ill.

B.A. '60, Middlebury College. Field of Concentration: Area Studies: Russian.

Dorothy Teh-Yung Chang, Taipei, Formosa

B.A. '57, National Taiwan University. Field of Concentration: English.

Roger Simmons Countryman, Jr., St. Paul

B.A. '59, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: The Developmental Properties.

William Arthur Dando, Newell, Pa.

B.S. in Educ. '59, State Teachers College at California, Pennsylvania. Field of Concentration: Geography.

Sandra Karon Davis, St. Paul

B.A. '60, San Francisco State College. Field of Concentration: History.

Robert Lee Delorme, Minneapolis

B.A. '53, St. John's University (Minn.). Field of Concentration: Political Science.

George Edward DeVries, Minneapolis

B.S. '49, University of Minnesota. Field of Concentration: Industrial Education.

Adele Koskosky Donchenko, Richfield

B.A. '43, University of Chicago. Field of Concentration: Area Studies: Russian.

Taddeo Nazareno Ferrara, Pianella, Italy

S.T.L. '52, Gregorian University. Major: Philosophy. Minor: French. Thesis: The Concept of Necessity in the Philosophical Works of St. Anselm.

Richard Raymond Finch, Minneapolis

B.S.(Econ.) '59, University of Minnesota. Field of Concentration: Economics.

William Clyde Fortman, Two Harbors

B.S. '49, University of Minnesota. Field of Concentration: Educational Psychology.

Burt W. Grimes, Wayzata

B.A. '54, St. Olaf College. Field of Concentration: Art Education.

Judith Lynn Hanks, Winnebago

B.A. *cum laude* '61, University of Minnesota.
Field of Concentration: Library Science.

J. Frederick Hanson, St. Paul

B.A. '54, Carleton College. Field of Concentration: Library Science.

I Po Ho, Fuchow, Fukien, China

B.A. '53, National Taiwan University. Field of Concentration: Economics.

Mildred Eleanor Hume, Minneapolis

B.A. '48, B.S. '57, University of Minnesota.
Field of Concentration: Curriculum and Instruction.

Carlyle E. Hystad, St. Paul

B.A. '61, University of Minnesota. Major: Area Studies: Russian. Thesis: The Reorganization of Industrial Management in the Soviet Union.

Daniel Evans Jones, Bloomington

B.A. '56, Macalester College. Field of Concentration: Educational Administration.

Omar Sheldon Kaste, Fertile

B.A. *cum laude* '53, Concordia College (Moorhead). Field of Concentration: German.

Donald Wahl Katzner, Baltimore, Md.

B.A. '59, Oberlin College. Major: Mathematics. Minor: Economics. Thesis: The Classical Theory of Utility Maximization.

Joseph Hugh Keenan, St. Cloud

B.S. '58, St. Cloud State College. Field of Concentration: Political Science.

Ralph Alfred Kennedy, Minneapolis

B.A. '61, University of Minnesota. Field of Concentration: Library Science.

Lester Merlin Kephart, Minneapolis

B.A. '54, University of Minnesota. Field of Concentration: Psychology.

René Paul Viktor Kiparsky, Helsinki, Finland

B.A. '61, University of Helsinki. Field of Concentration: Linguistics and Comparative Philology.

D. Jeannette Ostrander Lehner, St. Paul

B.A. '35, University of Minnesota. Field of Concentration: Library Science.

Ronald Millard Lerom, Minneapolis

B.S. '57, Mayville State Teachers College (N.D.). Field of Concentration: Curriculum and Instruction.

Florence Brill Lind, Minneapolis

B.S. '35, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Wilhelmina Mabb, Winnipeg, Manitoba, Canada

B.A. '52, The University of Manitoba. Field of Concentration: Mathematics.

Barbara Spencer Marx, Falls Church, Va.

B.A. *cum laude* '54, Bryn Mawr College. Field of Concentration: English.

Donald James Mattheisen, Minneapolis

B.A. '59, University of Minnesota. Field of Concentration: History.

James Anthony Moha, Montreal, Wis.

B.S. '51, Wisconsin State College (Superior). Field of Concentration: Educational Administration.

Krishan Nanda, India

B.Sc. '50, M.A. '53, Panjab University (India). Field of Concentration: Sociology.

Sarah Judith Needham, Winston-Salem, N.C.

B.S. '59, Iowa State College. Major: Home Economics. Minor: Home Economics Education. Thesis: Student Perceptions of the Introductory Courses in Related Art in Home Economics.

Enid Pearce Nylander, Duluth

B.A. *magna cum laude* '34, University of Minnesota. Major: Library Science. Minor: English. Thesis: A History of the Duluth Public Library System.

Bernard Richard Olson, Red Wing

B.S. '32, University of Minnesota. Field of Concentration: English.

Jean Mary Peterson, Morris

B.A. '46, The College of St. Catherine. Field of Concentration: Library Science.

Gary Francis Pulkrabek, Minneapolis

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction.

James Lancelot Rolleston, Beaulieu,
Hampshire, England

B.A. '61, King's College (England). Major:
German. Minor: Comparative Literature. Thesis:
Rilke's Requiem: A Thematic Analysis.

John Lawrence Rys, Minneapolis

B.A. '59, University of Minnesota. Field of
Concentration: Library Science.

Russell Clyde Satterlund, Grantsburg,
Wis.

B.S. '49, Wisconsin State College (River Falls).
Field of Concentration: Agriculture Education.

Henry Cedric Scholberg, Columbia
Heights

B.S. '54, University of Minnesota. Field of
Concentration: Library Science.

Clifford E. Sisler, Jr., Greenbush

B.S. '48, University of Minnesota. Field of
Concentration: Agricultural Education.

Sister Stephen Kurpiers, St. Joseph

B.A. '54, College of St. Benedict. Field of
Concentration: Curriculum and Instruction.

Fred Arnold Sorensen, Thief River
Falls

B.S. with distinction '54, University of Minne-
sota. Field of Concentration: Agricultural Edu-
cation.

Raymond Arthur Stassen, Minneapolis

B.A. cum laude '52, Macalester College. Ma-
jor: Speech Pathology. Minor: Child Welfare.
Thesis: The Effect of Position and Function
of Misarticulated Consonants Upon Listener
Judgment of Defect.

Robert Alan Stebbins, Minneapolis

B.A. '61, Macalester College. Major: Sociology.
Minor: Psychology. Thesis: The Minneapolis
Jazz Community: The Conflict Between Musi-
cal and Commercial Values.

Jerome Skye Stromberg, Minneapolis

B.A. '58, Wheaton College. Major: Sociology.
Minor: Anthropology. Thesis: The Nett Lake
Indian Reservation Village: Some Sociological
Contributions to the Study of Acculturation.

Eugene Richard Swanson, Ellsworth,
Wis.

B.S. '54, Wisconsin State College (River Falls).
Field of Concentration: Curriculum and In-
struction.

John Ching-Yu Wang, Taiwan, China

B.A. '57, National Taiwan University. Field of
Concentration: English.

John Joseph William Weaver, Clear-
field, Pa.

B.A. '58, Harvard College. Field of Concen-
tration: English.

Ross Joseph Wood, St. Paul

B.A. '54, M.B.A. '55, University of Michigan.
Field of Concentration: Statistics.

Tinna Keh Wu, China

B.A. '59, University of the East (Philippines).
Field of Concentration: Library Science.

Master of Arts in Public Administration

Amir Hossein Sharifi, Tehran, Iran

M.S.C.E. '45, Technical University of Tehran
(Iran). Field of Concentration: Public Ad-
ministration.

Master of Business Administration

Akber Kassim-Lakha, Nairobi, Kenya

B.A. '60, Regent Polytechnic (London). Field
of Concentration: Business Administration.

Wayne Jerome Nelson, Boulder City,
Nev.

B.S.B. with distinction '61, University of Min-
nesota. Field of Concentration: Business Ad-
ministration.

Gordon George Quale, Rushford

B.M.E. '60, University of Minnesota. Field of
Concentration: Business Administration.

Master of Fine Arts

Robert Rowland Michener, Preston

B.A. *summa cum laude* '57, Hamline University. Major: Art. Minor: Philosophy. Thesis: Uses of the Figure in the Works of a Group of Recent American Painters—A Comparison.

Master of Forestry

Ronald John Glass, Glenford, N.Y.

B.S. '56, New York State College of Forestry. Field of Concentration: Forestry.

Master of Science

George Erick Ahlgren, Cloquet

B.S. with distinction '59, University of Minnesota. Major: Agricultural Botany. Minor: Botany. Thesis: The Distribution of Phosphorus in Soybean and the Interspecific Competition for Phosphorus Between Soybean and Barnyard Grass.

John Jerome Anderson, Northfield

B.A. *cum laude* '52, Carleton College. Major: Geology. Minor: Geophysics. Thesis: Bedrock Geology of Antarctica.

Raymond Gordon Armstrong, Minneapolis

B.A. '54, B.S. '56, M.D. '58, University of Minnesota. Major: Physiological Chemistry. Minor: Microbiology. Thesis: A Chromatographic, Electrophoretic and Immunochemical Study of Ferritin.

Myron Dale Grafstrom, Salol

B.S. '60, University of Minnesota. Field of Concentration: Forestry.

Duane Donald Hacklander, Blue Earth

B.S. with distinction '60, University of Minnesota. Field of Concentration: Agricultural Economics.

Richard David Huseeth, Elk River

B.S. with high distinction '57, University of Minnesota. Field of Concentration: Mathematics.

Donald Edward Jorenby, Blanchardville, Wis.

B.A. *cum laude* '59, Augsburg College. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: An Attempted Synthesis of a Triangulene Derivative.

Roland Roy Larter, Lancaster

B.S. with distinction '60, University of Minnesota. Field of Concentration: Soils.

Alice Lindell Lindgren, Minneapolis

B.A. *magna cum laude* '58, Augsburg College. Field of Concentration: Zoology.

Louise Agnes Smith Loan, Ivanhue, Ontario, Canada

B.A. '52, University of Minnesota. Major: Entomology. Minor: Botany. Thesis: Some Aspects of the Nutrition of *Tyrophagus Putrescentia* (Shrank, 1781) (Castellani Hughes, 1948) (Acarina: Acaridae).

Charles Leo Matsch, Hastings

B.A. '59, University of Maine. Major: Geology. Minor: Civil Engineering. Thesis: Pleistocene Geology of the St. Paul Park and Prescott Quadrangles.

Jan Arwood Northby, Storrs, Conn.

B.S.(Phys) '59, Massachusetts Institute of Technology. Major: Physics. Minor: Mathematics. Thesis: Pulsed Nuclear Magnetic Resonance Studies of Polycrystalline H₂S.

David Holmen Peterson, Eveleth

B.A. '59, Augustana College (Illinois). Field of Concentration: Geology.

Theodore John Podgorski, St. Paul

B.Phys. with high distinction '59, University of Minnesota. Field of Concentration: Physics.

Robert A. Rasmussen, Mankato

B.S. '56, College of St. Thomas. Major: Botany. Minor: Zoology. Thesis: The Anatomy of Morphology of *Sarcodia Montagneana* (Hooker et Harvey) J. Agardh.

Gary William Rodenz, St. Cloud
B.Phys. '60, University of Minnesota. Field
of Concentration: Physics.

John David Rykken, Minneapolis
B.M.E. '61, University of Minnesota. Field of
Concentration: Business Administration.

Richard Hideo Shimabukuro, Hilo,
Hawaii
B.S. with honors '56, University of Hawaii.
Major: Agricultural Botany. Minor: Botany.
Thesis: The Absorption and Translocation of
3-Amino-1, 2, 4-Triazole in Bean (*Phaseolus
Vulgaris*).

Arnold Robert Wells, Clinton
B.S. with distinction '60, University of Minne-
sota. Field of Concentration: Agricultural
Economics.

Robert Wayne Westerlund, Wor-
thington
B.S. with distinction '60, University of Minne-
sota. Major: Metallurgy. Minor: Physical
Chemistry. Thesis: The Effect of Plastic De-
formation on the Hall Effect of Silver-Palla-
dium Alloys.

Master of Science in Aeronautical Engineering

Charles Herbert Haight, Minneapolis
B.S. with high distinction '59, University of
Minnesota. Major: Aeronautical Engineering.
Minor: Mathematics. Thesis: Non-Linear The-
ory for Airmat Plates.

Ramanaiah Peravali, Minneapolis
B.Sc. '55, Andhra University (India). Major:
Aeronautical Engineering. Minor: Mathemat-
ics. Thesis: Use of Squire's Solution to Fix
Validity Criteria for Boundary Layer Theory.

Master of Science in Chemical Engineering

Gerald Victor Colombo, St. Paul
B.Ch.E. '60, University of Minnesota. Major:
Chemical Engineering. Minor: Agricultural
Biochemistry. Thesis: The Effect of Mechani-
cal Shear on the Viability of Certain Algae.

George Rousetos Gavalas, Athens,
Greece
Diploma '58, National Technical University
of Athens. Major: Chemical Engineering.
Minor: Mathematics. Thesis: Two-Phase Flow
Through an Aperture.

Master of Science in Civil Engineering

Hashu Hassaram Chandwaney, India
B.Sc. '58, Karnatak University; B.E.(Civil)
'61, University of Poona (India). Field of
Concentration: Civil Engineering.

Veeraiya Thenkondar Natarajan,
Madras, India
B.E.(Civil) '58, University of Madras (India).
Field of Concentration: Civil Engineering.

Bernard Wayne Dahl, Neenah, Wis.
B.C.E. '61, University of Minnesota. Field of
Concentration: Civil Engineering.

Premchand Patadia, Hyderabad,
Andhra, India
B.E.(Civil) '58, Osmania University (India).
Field of Concentration: Civil Engineering.

Michael Bing Sun Hsu, Taipei,
Taiwan, China
B.S. in Eng. '57, National Taiwan University.
Field of Concentration: Civil Engineering.

Parbhubhai Shankerbhai Patel, India
B.E.(Civil) '61, Sardar Vallabhbhai Vidy-
apeeth (India). Field of Concentration: Civil
Engineering.

Luis Alberto Movil, Guatemala,
Central America
Diploma '60, University of San Carlos (Guate-
mala). Field of Concentration: Civil Engineer-
ing.

Robert Charles Polta, New Ulm
B.S. with high distinction '61, University of
Minnesota. Field of Concentration: Civil En-
gineering.

David Dah-Wei Suen, Fukien, China
B.Sc. '57, Taiwan Provincial Cheng Kung University. Field of Concentration: Civil Engineering.

Edward Kenneth Toppe, Guatemala,
Central America

Diploma '61, San Carlos University (Guatemala). Field of Concentration: Civil Engineering.

Yeou-Ren Tsai, Tainan, Taiwan,
China

B.Sc. '56, Taiwan Provincial Cheng Kung University. Field of Concentration: Civil Engineering.

Chi-Mei Tung, Hsuan-Hwa, China
B.S. '38, Peiyang Engineering College. Field of Concentration: Civil Engineering.

Robert Wesley Zeller, Rochester

B.C.E. with distinction '59, University of Minnesota. Field of Concentration: Civil Engineering.

Master of Science in Dermatology

Jules Altman, Detroit, Mich.

B.S. '52, Wayne University; M.D. '58, University of Michigan. Major: Dermatology. Minor: Pathology. Thesis: Normolipemic Disseminate Xanthoma.

Robert Kim, Honolulu, Hawaii

B.A. '53, M.D. '55, University of Oregon. Major: Dermatology. Minor: Pathology. Thesis: Reticulum Cell Sarcoma of the Skin.

Daniel Dooley Palmer, Honolulu,
Hawaii

B.S. '52, M.D. '56, University of Michigan. Major: Dermatology. Minor: Pathology. Thesis: Atrophic (Poikiloderma Vasculare Atrophicans) and Extensive (Retiform Parapsoriasis) Forms of Parapsoriasis.

Master of Science in Electrical Engineering

Lyle Glen Cloud, St. Paul

B.S. with distinction '60, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Study of the Parameter Evaluation Problem.

David Gordon Hanson, Ortonville

B.S. with distinction '60, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Probe Noise in Different Regions of a Gas Discharge.

Song Bai Park, Seoul, Korea

B.S. '51, Cert. '55, Seoul National University. Field of Concentration: Electrical Engineering.

Donald Paul Strandberg, St. Paul

B.S. with distinction '60, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Investigation of Resonance in Microwave Cavities Filled With Anisotropic Dielectrics.

Master of Science in Industrial Engineering

James Lee Reynolds, Minneapolis

B.M.E. '58, University of Minnesota. Major: Industrial Engineering. Minor: Mathematics. Thesis: Some Aspects of Numerically Controlled Machine Tools.

Master of Science in Mechanical Engineering

Niel Robert Petersen, Tyler

B.S. with high distinction '60, University of Minnesota. Field of Concentration: Mechanical Engineering.

Master of Science in Medicine

Donald Lee Bogdon, Los Angeles, Calif.

B.A. '52, Westminster College; M.D. '56, University of Pennsylvania. Major: Medicine. Minor: Hematology. Thesis: Combination Cancer Chemotherapy: A Study of Clinical Aspects and Bone Marrow Morphology.

Mahlon Keene Burbank, Rockford, Ill.

B.S. '53, M.D. '57, Northwestern University. Major: Medicine. Minor: Physiology. Thesis: A Study of the Radiiodinated I^{131} O-Iodohippurate Isotope Renogram: Standardization of a Method, Expression of Data, and Clinical Evaluation.

Byron Lawrence Riggs, Rochester

B.S. '53, B.S.M. '55, M.D. '55, University of Arkansas. Major: Medicine. Minor: Physiology. Thesis: Studies on the Bioassay of the Thyrotrophic Hormone.

Master of Science in Mineral Engineering

Donald Ralph Reichmuth, Lewistown, Mont.

Engineer of Mines '60, Colorado School of Mines. Major: Mineral Engineering. Minor: Mechanical Engineering. Thesis: Correlation of Force-Displacement Data With Physical Properties of Rock for Percussive Drilling Systems.

Master of Science in Neurology

Walter Lauren Johnson, Rochester

B.S. '51, M.D. '55, Yale University. Major: Neurology. Minor: Basic Neurologic Sciences. Thesis: Intracerebral Hematoma: An Experimental Study.

Master of Science in Obstetrics and Gynecology

Raymond Allen Lee, Rochester

B.A. '54, Indiana Central College; M.D. '58, Indiana University. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: Mesonephroma of the Ovary.

Joseph Louis Sheets, Detroit, Mich.

B.A. '54, Denison University; M.D. '58, Temple University. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: Primary Malignancy of the Vagina—A Clinicopathological Study 1945-1960.

Master of Science in Ophthalmology

Stephen Francis Bowen, Jr., Rochester
B.A. '52, Holy Cross College; M.D. '56, Tufts
University. Major: Ophthalmology. Minor:
Optics. Thesis: A Rubber Tendon for Extra-
Ocular Muscles: An Experimental Study.

Master of Science in Orthopedic Surgery

Gerhard M. Doerr, Boston, Mass.
M.D. '51, University of Heidelberg. Major:
Orthopedic Surgery. Minor: Pathology. Thesis:
Bone Grafts With Heterologous and Ethylene-
diamine-Extracted Bone.

Robert Ross Shugart, Fort Wayne,
Ind.

B.A. '51, DePauw University; M.D. '55,
Northwestern University. Major: Orthopedic
Surgery. Minor: Pathology. Thesis: Glomus
Tumors and Hemangiopericytomas of the
Extremities and Trunk: A Clinical Pathologi-
cal Study of Tumors Featuring Pericytes.

Master of Science in Otolaryngology

Jack Lee Pulec, Crete, Neb.
B.A. '55, M.D. '57, University of Nebraska.
Major: Otolaryngology. Minor: Pathology. The-
sis: Adenoid Cystic Carcinoma (Cylindroma)
of the External Auditory Canal.

Daryoush K. Shahrokh, Fond du Lac,
Wis.

M.D. '55, Teheran University. Major: Oto-
laryngology. Minor: Surgical Pathology. The-
sis: Carcinoma of the Epiglottis.

Master of Science in Pathology

D. Richard Jones, South Sioux City,
Neb.

M.D. '54, Creighton University. Major: Pa-
thology. Minor: Hematology. Thesis: A Mor-
phological and Histochemical Study of the
Human Costochondral Junction in Patients
Without Growth Disturbances and in Acro-
megalic Patients.

Master of Science in Physical Medicine and Rehabilitation

Joseph Cecil Honet, Rochester
M.D. '57, Albany Medical College. Major:
Physical Medicine and Rehabilitation. Minor:
Physiology. Thesis: The Effects of Condition-
ing and Athletic Participation on the Physical
Performance of High School Boys.

Master of Science in Surgery

Lorenzo Hache, Caraquet, New Brunswick, Canada

M.D. '57, University of Ottawa. Major: Surgery. Minor: Pathology. Thesis: Idiopathic Fibrous Mediastinitis and Retroperitonitis.

Donald Christner McIlrath, Rochester
B.A. '50, M.D. '54, University of Kansas. Major: Surgery. Minor: Pathology. Thesis: Tumors of the Parapharyngeal Region—A Clinical and Histopathological Investigation.

Master of Social Work

John Franklin Jacobson, Wayzata

B.A. '56, St. Olaf College. Field of Concentration: Social Work.

Edward W. McParlan, Duluth

B.A. '57, University of Minnesota. Field of Concentration: Social Work.

Certificate of Specialist in Education

Vincent Joyce Dodge, Fargo, N.D.

B.S.Ed. '36, M.S.Ed. '40, University of North Dakota. Field of Concentration: Elementary School Administration.

Doctor of Philosophy

Harry Stanley Adams, Tacoma, Wash.

B.S. '45, M.S. '47, Kansas State College. Major: Physics. Minor: Mathematics. Thesis: The Inelastic Proton-Gamma Angular Correlation of C^{12} at 40 Mev. Major Adviser: Prof. N. M. Hintz.

Raymond V. Anderson, Macomb, Ill.

B.S. '46, Moorhead State Teachers College; M.A. '49, University of Minnesota. Major: Political Science. Minor: History. Thesis: Adoption and Operation of Initiative and Referendum in North Dakota. Major Adviser: Prof. G. A. Warp.

Helen D. Berwald, Northfield

B.A. *magna cum laude* '48, B.S. '51, M.A. '51, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Attitudes Toward Women College Teachers in Institutions of Higher Education Accredited by the North Central Association. Major Advisers: Profs. Edith West and C. J. Hoyt.

Marian Fladstol Calway, Neillsville, Wis.

B.S. '48, M.A. '60, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Relative Effects of Instruction with Narrative and Factual Materials on Listening Skills. Major Adviser: Prof. C. P. Archer.

Francis George Caro, Milwaukee, Wis.

B.S. '58, Marquette University. Major: Sociology. Minor: Psychology. Thesis: A Social Class Comparison of Attitudes of Male High School Students Towards College and Dominant Occupational Goals. Major Adviser: Prof. A. M. Rose.

James Evarts Connolly, St. Paul

B.A. '58, M.A. '59, University of Minnesota. Major: Speech and Theater Arts. Minor: History. Thesis: A Rhetorical Analysis of the News on the North American Service of Radio Moscow. Major Adviser: Prof. W. S. Howell.

George N. Ecklund, St. Paul

B.A. '45, Drake University; M.A. '51, University of Minnesota. Major: Economics. Minor: Political Science. Thesis: Taxation in Communist China, 1950-59. Major Adviser: Prof. Martin Bronfenbrenner.

Lambert Cornelius Erickson, Moscow, Idaho

B.S. '40, University of Minnesota; M.S. '43, University of Wyoming. Major: Agronomy. Minor: Agricultural Botany. Thesis: Influences of Radiant Infrared on Germination of Weed and Crop Seeds. Major Adviser: Prof. Richard Behrens.

Wiley Nathan Garrett, Rosebud, Tex.
B.S. '57, M.S. '58, Agricultural and Mechanical College of Texas. Major: Plant Pathology. Minor: Entomology. Thesis: The Asexual Production of New Biotypes of *Puccinia Graminis* Var. *Tritici*. Major Adviser: Prof. Helen Hart.

Ira Malcom Gary Courley, Ogden,
Utah

B.S. '50, Utah State Agricultural College; D.V.M. '55, The State College of Washington. Major: Veterinary Medicine. Minor: Pathology. Thesis: Studies of Experimental Canine Leptospirosis. Major Adviser: Prof. J. P. Arnold.

James Edwin Hill, Minneapolis

B.E.E. with distinction '56, M.S.E.E. '57, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise Associated with Low Voltage Breakdown Processes in Germanium Single Crystals at Liquid Helium Temperatures. Major Adviser: Prof. Aldert Van der Ziel.

Bertrand Nathan Horwitz, Rochester,
N.Y.

B.A. '49, M.A. '51, The University of Chicago. Major: Business Administration. Minor: Economics. Thesis: Economic Aspects of Soviet Industrial Accounting. Major Adviser: Prof. C. L. Nelson.

Samuel Kantorovitz, Tel-Aviv, Israel

M.Sc. '56, The Hebrew University of Jerusalem. Major: Mathematics. Minor: Statistics. Thesis: An Operational Calculus and Spectral Operators. Major Adviser: Prof. G. K. Kalisch.

Joseph Frederick Meisels, Fairway,
Kan.

B.A. '42, University of Nebraska; M.S. '45, University of Pittsburgh. Major: Social Work. Minor: Sociology. Thesis: Self-Conception, Job-Perception and Job-Satisfaction of Social Workers. Major Adviser: Prof. L. N. Scott.

Victor Perman, St. Paul

B.S. with high distinction '53, D.V.M. '55, University of Minnesota. Major: Veterinary Pathology. Minor: Agricultural Biochemistry. Thesis: The Regenerative Ability of Hematopoietic Tissue Following Lethal X-Irradiation in Dogs. Major Adviser: Prof. J. H. Sautter.

Gutti Subba Rao, Vetapaleh, Andhra
State, India

B.E.(Civil) '51, Annamalai University; M. Tech. '55, Indian Institute of Technology. Major: Civil Engineering. Minor: Mathematics. Thesis: Hydraulic Design of an Overfall Founded on Permeable Soils. Major Adviser: Prof. L. G. Straub.

Laren R. Robison, Georgetown, Idaho

B.S. '57, M.S. '58, Brigham Young University. Major: Agronomy and Plant Genetics. Minor: Plant Pathology. Thesis: Combining Ability for Seedling Vigor and the Isolation of Seedling Pathogens in *Bromus inermis*. Major Advisers: Profs. R. R. Willcoxson and H. L. Thomas.

Edward H. Rybnicek, New Prague

B.A. '49, Denison University; M.A. '57, University of Minnesota. Major: Sociology. Minor: Anthropology. Thesis: The Changing Church in the Changing City. Major Advisers: Profs. R. G. Francis and John Sirjamaki.

H. Bradley Sagen, Waukegan, Ill.

B.A. with honors '57, Grinnell College. Major: Educational Psychology. Minor: Education. Thesis: A Study of the Relationship of Certain Personality and Environmental Variables to the Job Satisfaction of Faculty in Liberal Arts Colleges. Major Advisers: Profs. C. G. Wrenn and R. E. Eckert.

Dale Sears Sappenfield, Miami, Fla.

B.A. with distinction '55, Northwestern University. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: The Electronic Structure of Some Oxygen and Sulfur Compounds. Major Adviser: Prof. M. M. Kreevoy.

Dietmar Paul Schenitzki, Berlin,
Germany

M.A. '54, University of Arizona; Diploma '55, Free University of Berlin. Major: Psychology. Minor: Anthropology. Thesis: Bargaining, Group Decision Making, and the Attainment of Maximum Joint Outcome. Major Adviser: Prof. Benjamin Willerman.

Shuh-Ji Sheen, China

B.S. '53, Taiwan Provincial College of Agriculture; M.S. '58, North Dakota Agricultural College. Major: Plant Genetics. Minor: Agricultural Biochemistry. Thesis: Studies on Genetic Factors Controlling Stem Rust Resistance in Chromosome Substitution Lines of Two Wheat Varieties. Major Adviser: Prof. W. M. Myers.

Neil Baird Thompson, Moorhead

B.S. '48, M.S. '50, Kansas State College. Major: American Studies. Thesis: The Impact of Industrialism on the Public High School in the United States, 1890-1950. Major Adviser: Prof. Bernard Bowron.

Ladd Stewart Wheeler, Wichita Falls, Tex.

B.A. with honors '59, Stanford University. Major: Psychology. Minor: Journalism. Thesis: Desire: A Determinant of Self-Evaluation Through Social Comparison. Major Adviser: Prof. Benjamin Willerman.

Dennis Therres Wilson, Minneapolis

B.A. *cum laude* '56, M.A. '58, University of Minnesota. Major: Psychology. Minor: Philosophy. Thesis: Ability Evaluation, Postdecision Dissonance, and Coworker Attractiveness. Major Adviser: Prof. Benjamin Willerman.

Kaoru Yamamoto, Tokyo, Japan

B.S. in Eng. '53, University of Tokyo; M.A. '60, University of Minnesota. Major: Educational Psychology. Minor: Child Development. Thesis: A Study of the Relationships Between Creative Thinking Abilities of Fifth Grade Teachers and Academic Achievement and Personal-Social Adjustment of Their Pupils. Major Advisers: Profs. C. G. Wrenn and Henry Borow.

Doctor of Philosophy in Physiology

Loring Bernard Rowell, Lynn, Mass.

B.S. '53, Springfield College. Major: Physiology. Minor: Physiological Chemistry. Thesis: Factors Affecting the Prediction of the Maximal Oxygen Intake From Measurements Made During Submaximal Work With Observations Related to Factors Which May Limit Maximal Oxygen Intake. Major Adviser: Dr. Francisco Grande.

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.

The long, pointed sleeve of the gown indicates a Bachelor's degree; the long, closed sleeve with a slit near the upper part of 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 Science, Literature, and the 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 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

JULY, 1962

- 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 terrace of the Coffman Memorial Union. In case of rain the ballroom will be used.
- Those in the receiving line will be President and Mrs. Wilson, Miss Kathryn Wagnild, President of the Coffman Union Board of Governors, and Mr. Norman Uphoff, President of the Minnesota Student Association.
- Assisting in the Reception are members of the Union Board of Governors and its committees, and of the following honorary societies: Chimes, Grey Friars, Iron Wedge, Mortar Board, Phoenix, and Silver Spur.
- Punch will be served. Members of the Union Board of Governors and of the honorary societies listed above will preside at the punch tables.

THE
UNIVERSITY OF MINNESOTA

Announces Its

August Commencement

1962

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, AUGUST 16

AT EIGHT O'CLOCK



University of Minnesota

THE BOARD OF REGENTS

Dr. O. Meredith Wilson, President

Mr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

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 Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable Bjarne E. Grottum, Jackson

The Honorable Robert E. Hess, White Bear Lake

The Honorable Fred J. Hughes, St. Cloud

The Honorable A. I. Johnson, Benson

The Honorable Lester A. Malkerson, Minneapolis

The Honorable A. J. Olson, Renville

The Honorable Otto A. Silha, Minneapolis

The Honorable Herman F. Skyberg, Fisher

SMOKING AND USE OF CAMERAS—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 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 eleventh birthday. As one of the great Land-Grant universities in the nation, the University of Minnesota is dedicated to training the youth of today, the citizens of tomorrow. Each year, physicians, lawyers, engineers, social workers, educators, journalists, dentists, veterinarians, farmers, businessmen—community and civic leaders in all fields—go from its several campuses to participate actively in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded more than 159,000 degrees to its students who have completed the rigorous training demanded by the complexities of modern society.

In addition to giving collegiate instruction to more than 30,000 students on its Minneapolis, St. Paul, Duluth, and Morris 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. Still in addition, its staff members who are county agents, home agents, 4-H Club agents, and recreation and health consultants give effective assistance to citizens of the state in their very homes.

In the diverse research laboratories on the University's four 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 Mayo Foundation at Rochester, 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 deal with cancer, heart surgery, taconite, gamma irradiation, cheesemaking, teacher training, municipal government, school surveys, and new varieties of grains, fruits, and flowers, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the University Artists Course, Radio Station KUOM, the University Theater, the Minneapolis Symphony Orchestra, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Program Service, the University brings to more than a million and a half people in the area it serves, artists and lecturers of quality and talent.

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, living 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. Contributions have made it possible to build 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 thoughtful cooperation has made hundreds of scholarships and fellowships available each year to students of promise. Chiefly because of financial difficulties, only one-half of the Minnesota high school graduates of high ability enter any college or university. Because of this, the friends and supporters of the University are constantly trying to increase the number of scholarships and the amount of money available for such assistance.

Over recent years, much of the University's energy has gone into the necessary planning for the anticipated increases in future enrollments. At present about half of the students in Minnesota colleges and universities attend the University of Minnesota. If the other institutions continue to take this same percentage of these students, not less than 48,000 full-time, fully matriculated students will be attending the University in 1970. This means more teachers, more civil service staff members, more land, and more buildings.

THE 1961 LEGISLATURE granted the University \$49,068,181 for general maintenance during the 1961-63 biennium. In addition, the University received \$6,938,423 for University Hospitals; \$4,432,496 for special appropriations, including special extension and research activities; and \$7,789,351 (\$288,451 now available) for new buildings, land, and for the rehabilitation of existing buildings.

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 1960-61 showed that the University received \$99,915,127.70 and spent \$99,915,799.55 including \$7,071,288.38 paid for the construction and remodeling of buildings and the purchase of land. Of the total received, \$17,296,674.64 came from student tuition and fees, hospital and other department receipts; \$1,642,152.76 from intercollegiate athletics, \$16,187,501.59 from such services as dormitories and dining halls, printing, the laundry, the University of Minnesota Press, the Department of Concerts and Lectures, the University Theater, and the Health Service, and from revolving funds; and \$22,781,979.60 from trust funds, including gifts, grants, donations, and income from endowments and research contracts for instruction, research, prizes, scholarships, and the care of the sick. Also \$4,301,271.13 came from federal appropriations for instruction, research, Agricultural Extension, and plant expansion. The state provided \$30,468,443.07, or 35.0% for the University's total operating costs.

All students at the University, their families and friends are invited to continue their enthusiasm and interest in the University of Minnesota. Graduates are especially urged to identify themselves with the Minnesota Alumni Association, to give annual financial support to the University and to its Special Projects Programs, and to return as frequently as possible to visit us here at the University.

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 7:15 to 7:45 p.m., they will hear the Frances Miller Brown Memorial Bells being played from Northrop Memorial Auditorium by Miss Nancy Louise Hughes, SLA '64, 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.

ORGAN PRELUDE: From 7:30 to 8:00 p.m., Associate 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 8:00 p.m., Professor Edward B. Stanford, Ph.D., Director of Libraries, Faculty Marshal, will carry the Mace into the Auditorium, heralding the arrival of the academic procession of candidates for degrees. Marshal Stanford, 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:

Festival March - - - - - *Handel*

ON THE STAGE: The curtain will be opened when the Mace Bearer enters. Seated on the stage, from left to right, are: Assistant Professor Joseph V. Scalletti, Ph.D., Institute of Agriculture, Marshal; Mr. Charles F. Liesenfelt, M.S., Assistant to the Recorder; Lieutenant Larry K. Simmering, USN, Assistant Professor of Naval Science; Associate Dean Alfred L. Vaughan, Ph.D., General College; Acting Dean Frank Verbrugge, Ph.D., Institute of Technology; Associate Dean Marcia Edwards, Ph.D., College of Education; Assistant Dean Stephen B. Scallen, LL.B., Law School; Dean Robert E. Summers, M.S., M.E., Admissions and Records; Dean Bryce L. Crawford, Ph.D., Graduate School; The Honorable Bjarne E. Grottum, Regent of the University of Minnesota; Dean E. W. Ziebarth, Ph.D., University of Minnesota Summer Session, Commencement Speaker; The Honorable Marjorie J. Howard, Second Vice President of the Board of Regents of the University of Minnesota; Dean Errett W. McDiarmid, Ph.D., College of Science, Literature, and the Arts; Dean Robert B. Howard, M.D., College of Medical Sciences; Professor Ralph F. Berdie, Ph.D., Psychology; The Reverend Homer K. Shafer, Adviser to Baptist students and staff members on the Minneapolis Campus of the University; Dean Harold Macy, Ph.D., Institute of Agriculture; Professor Carl L. Nelson, Ph.D., School of Business Administration; Lieutenant Colonel Robert J. Elliott, USA, Professor of Military Science; Professor Edwin L. Haislet, Ed.D., Executive Secretary of the Minnesota Alumni Association; Professor Roy A. Schuessler, M.M., Music; Assistant Professor William B. Schwabacher, B.S., General College, Marshal; Associate Professor Roger E. Wilk, Ph.D., College of Education, Marshal.

Order of Events

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 remain standing for the National Anthem and the Invocation.

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

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

INVOCATION: The Reverend Homer K. Shafer.

SPEAKING FOR THE UNIVERSITY: The Honorable Marjorie J. Howard.

COMMENCEMENT ADDRESS: Dr. E. W. Ziebarth, Dean of the Summer Session, University of Minnesota, *Education in a Divided World*.

CONFERRING OF ROTC CERTIFICATES: Dean Summers will introduce Lieutenant Colonel Elliott and Lieutenant Simmering, who will present the candidates for commissions in their respective branches of the Armed Services. Certificates of ROTC completion will be presented by Regent Howard.

PRESENTATION OF CANDIDATES: Dean Summers will introduce the deans of the several colleges or their representatives who will present to Regent Howard the candidates for certificates and degrees. They are, in order of their introduction: Associate Dean Vaughan for the General College; Dean McDiarmid for the College of Science, Literature, and the Arts; Acting Dean Verbrugge for the Institute of Technology; Dean Macy for the College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Associate Dean Edwards for the College of Education; Professor Nelson for the School of Business Administration; Assistant Dean Scallen for the Law School; Dean Howard for the College of Medical Sciences; Dean Crawford for the Graduate School.

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

Order of Events

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Professor Edwin L. Haislet.

PRESENTATION OF DIPLOMAS: With Professor Berdie presiding, members of the August graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Dean Crawford to Regent Howard, who will confer the degrees.

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

Minnesota, hail to thee!
Hail to thee, our college dear!
Thy light shall ever be
A beacon bright and clear;
Thy sons and daughters true
Will proclaim thee near and far;
They will guard thy fame
And adore thy name;
Thou shalt be their Northern Star.

Like the stream that bends to sea,
Like the pine that seeks the blue,
Minnesota, still for thee
Thy sons are strong and true;
From thy woods and waters fair,
From thy prairies waving far,
At thy call they throng
With their shout and song,
Hailing thee their Northern Star.

POSTLUDE: Associate Professor Fleischer, organist.

Dorian Toccata - - - - - Bach

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

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 as indicated on those listed below and upon such others as may meet the requirements for Reserve Officers in the Armed Services.

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Medical Service Corps

Robert W. Bonine, West St. Paul

DEPARTMENT OF NAVAL SCIENCE

Ensign, SC, USNR

Richard L. Larson, Minneapolis

DEPARTMENT OF AIR SCIENCE

Second Lieutenant, USAF Reserve

Kenneth L. Davidson, Minneapolis
Donald C. Johnson, Osseo

Rodney W. Luetke, Minneapolis
Charles L. Mahaney, St. Paul

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

Sandra Kay Abraham, Lake City
Bruce Albert Carlson, Minneapolis
Diane Firth, Edina
Barbara Kay Hedeen, St. Paul
Gary Joseph Heininger, St. Paul
Barbara Beth Iverson, Wayzata
Lee Robert Kaster, St. Paul
Robert Allen Larson, Richfield
Joseph Andrew Marciniak, B.A.,
Minneapolis
Harold Kent Noyes, Bloomington

Paul Francis Olson, Minneapolis
Paul Arthur Phillipe, Cokato
Richard Mather Phillips, South
St. Paul
Ronald Jack Salo, Mora
Martha Louise Schlenk, St. Paul
Richard Eugene Stanley, Rosemount
Renee Eleanor Toussaint, Minne-
apolis
David Henry Watzl, St. Paul

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Lorraine Ann Brandt, Brainerd

Bachelor of Arts

Judith Elaine Anderson, Minneapolis
Wayne Palmer Anderson, Faribault
Sharon Lee Andre, Minneapolis, CUM
LAUDE
Charles Leonard Argue, St. Paul, CUM
LAUDE
Mary Lou Elizabeth Aurell, Grand
Rapids
Larry Thomas Bartels, Hopkins
Millicent Haight Bell, Cedar Rapids,
Iowa
Susan Janice Benson, White Bear
Lake
Michael Laurence Berde, St. Paul

Beverly Jane Bergman, Milaca
Sue-Ann Wirth Bernstein, St. Paul,
CUM LAUDE
Richard Craig Borden, A.A., Minne-
apolis
David Henry Breier, St. Paul
Ronald Lewis Brodigan, Minneapolis
Carl Edward Carlson, Montgomery
James Barry Carris, A.L.A., St. Paul
Janis Cers, Minneapolis, CUM LAUDE
Richard Thomas Curtin, Austin
William Delos Darling, St. Paul
Mark Edward Deines, Wayzata
Phyllis Jean Demmer, Minneapolis

Robert William Devereaux, Minneapolis
 Bruce Dykstra, Minneapolis
 Richard Sanford Elster, Lead, S.D.
 Sheldon Joseph Eviden, Minneapolis
 Sheldon Walter Fewer, Minneapolis
Gail Ellen Frank, Minneapolis, CUM LAUDE
 Carole Ann Gretzer, St. Louis Park
 Charles Francis Guernsey, Minneapolis
 Edward Louis Hamilton, South St. Paul
 Stuart Myles Haskell, Minneapolis
 Shirley Ann Heyer, Osseo
 Madeline Margaret Hinds, A.L.A., Minneapolis
 William Richard Hoddinott, Minneapolis
 Richard Douglas Howard, St. Paul
 Elizabeth Kathryn Huber, St. Paul
 Lawrence LaVerne Hubert, Minneapolis
 D. Lynn Johnson, Minneapolis
 Michael David Jusell, A.A., Minneapolis
 Robert James Kaufmann, Minneapolis
 David Lee Kohler, Minneapolis
 Lance Jerome Leipold, Minneapolis
 John Edward Lillie, Minneapolis
Linda Carol Lindquist, St. Louis Park, MAGNA CUM LAUDE
Mariellen Kristine MacDonald, Glendive, Mont., MAGNA CUM LAUDE
 William M. Mahlum, Duluth
Joanne Sandra Matson, St. Paul, CUM LAUDE
 Julianne L. Shaft McFarlane, St. Paul
 Melvin Gerald Melnychuk, Fort Frances, Ontario, Canada
 Jerome Elvin Mohs, South St. Paul
 James L. Mork, Austin
 Sheldon Hy Olkon, Minneapolis

Robert Dean Olsen, Montevideo
 James Frederick Olson, Deephaven
 Judy Ann Olson, Albert Lea
 Susan Evelyn Osterberg, Minneapolis
 Karen Annella Page, A.A., Austin
 Carolyn Marie Patch, Minneapolis
 Richard Arthur Peterson, Willmar
 Robert James Pilney, Minneapolis
 Anne Campbell Place, Minneapolis
 Sara Jean Plummer, Northwood, Iowa
 Sally Lee Porter, Minneapolis
 Edison Laurence Roach, St. Michael, Barbados
 James David Roff, Minneapolis
 Mary Helen Schmidt, Minneapolis
 Carolyn Louise Schroeder, Minneapolis
 Charles Burton Severn, Fergus Falls
 James L. Severson, Montevideo
 William Truitt Stone, A.A., Minneapolis
 Harley Elton Straus, Minot, N.D.
 Norene Grace Strid, Seattle, Wash.
 Catherine Frances Sullivan, St. Paul
 Carla Rae Swanson, Montevideo
 Paul D. Swanson, Minneapolis
 Lillian Irene Tangen, Warren
 Gary Paul Tessman, Minneapolis
 William Charles Tingerthal, St. Paul
 Richard Orville Toftner, Warren
 Norman Edward Valentine, Grand Rapids
 Elizabeth Carol VonHoltum, Chisago City
 Arnold Weisman Walker, Minneapolis
 Wilma Jeane Walters, St. Paul
 Parke Reese Weaver, Jr., Minneapolis
 Donald James Wheeler, Minneapolis
 Wells Joseph Wright, Jr., Minneapolis
 John Alfred Zuger, Bismarck, N.D.

INSTITUTE OF TECHNOLOGY

Bachelor of Science

Bruce Franklin Abramson, Chippewa Falls, Wis., WITH HIGH DISTINCTION
James Peter Brill, St. Paul

Richard Carl Gudesen, Duluth
Robert Otto Mass, A.A., Brainerd, WITH DISTINCTION

Bachelor of Aeronautical Engineering

Gary Delano Beckfeld, Minneapolis

Bachelor of Civil Engineering

Cordell Barton Lindall, Madison

Milton Roy Willman, St. Paul

Bachelor of Electrical Engineering

Delwyn Paul Asmussen, Le Mars, Iowa
Stephen Randall Duggan, Excelsior
Richard Davis Hammond, Hutchinson

Charles Roger McClary, Le Roy
Robert Thaddeus Myers, Minneapolis
Robert John Wheelecor, Chisholm

Bachelor of Mathematics

Judith Ann Kregelberg, St. Paul

Bachelor of Mechanical Engineering

Richard Olson Helling, Minneapolis
Roger Harvey Lundmark, Minneapolis
John Wellington Ramsden, Homer
Thomas Karl Rose, Edina

Dennis LeRoy Vetvick, Rice Lake, Wis.
Leroy Alois Vos, St. Paul

Bachelor of Mining Engineering

John Sidney Wohleen, Minneapolis

Bachelor of Physics

Clark Bergman, St. Paul, WITH HIGH DISTINCTION

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

Bachelor of Science

Russell Wesley Ericson, Winthrop,
Agriculture
Frances Chapman Feyereisen,
Hopkins, Home Economics
Robert Allan Love, Harmony,
Agriculture

Harold Norman Sersland, Minne-
apolis, Forestry
Karen Lee Slind, St. Paul, Home
Economics

COLLEGE OF EDUCATION

Bachelor of Science

Burton Owen Allen, A.L.A., Minne-
apolis
Dorothy Neuman Arko, Bloomington
Hazel Margaret Barkla, Edina
Joan Kay Bauer, Anoka
Louise Claire Boedeker, Minneapolis
Robert Willard Bonine, West St. Paul
Renee Schultz Bowlin, St. Paul
Mary Elizabeth Brooks, Minneapolis
Susan Mary Brotherton, Minneapolis
Geraldine Jean Butler, Brocket, N.D.
Karen Aceell Peters Canfield, Fremont,
Mich.*
Margaret Luella Carlson, Minneapolis,
WITH DISTINCTION
Roland Bror Carlson, Chicago, Ill.
Tadeusz Bernard Chmielarz, B.A.,
Stillwater
Karen Frances Rude Cuthbertson,
Minneapolis
Roger Allan Damerow, Elk River
Norman Louis Delin, Minneapolis
Ione Nelson Engel, Pine City, WITH
DISTINCTION
Jean Lois Folske, Minneapolis
Clara Jean Gilbert, Minneapolis
Curtis Raymond Graham, St. Paul,
WITH HIGH DISTINCTION

Ermon Owens Hogan, St. Paul, WITH
DISTINCTION
Edith Louise Hogle, Wichita, Kan.,
WITH DISTINCTION*
Faun Ethel Homman, Minneapolis
Carleen Nell Stanway Houghton,
St. Paul, WITH DISTINCTION
Ivan Earl Imm, Spring Valley
Linda Zoe Jenkins, B.A., Burlington,
Iowa
Sally Ann Jones, Minneapolis
Bergit Skiftun Kammerlohr, B.A.,
White Bear Lake
Marlene Laura Karki, A.A., Virginia,
WITH HIGH DISTINCTION
Nancy Jean Kehn, Cambridge
Agnes H. Kjos, Minneapolis
Kay Marie Knudson, St. Louis Park
Mary Judith Koechel, Waseca, WITH
DISTINCTION
Constance Renee Baer Kristal, St. Paul
John Howard Krohn, Minneapolis
Sigmund Stanley Kurosad, A.A.,
Minneapolis
Carol Steinke Lange, Minneapolis
Juliann Marie Larson, New Brighton
Wayne Roderick Lazorik, St. Louis
Park

* Nursing Education Curriculum.

Judith Ann MacDonald, St. Paul,
 WITH DISTINCTION
Frances Ellen McConnell, Minne-
apolis
Carol Ann Miller, St. Paul
Kathleen Mae Moberg, Minneapolis,
 WITH HIGH DISTINCTION
Paul Arno Muller, Minneapolis
Charles William Nelson, St. Paul
Arlene Marie Neuman, Minneapolis
Paul Michael Nevin, Shakopee
Sandra Lea Swenson Nohre, Elbow
Lake, WITH DISTINCTION
Donald Burnell Olson, Braham
Eunice Elizabeth Kottke Olson,
Minneapolis
Jean Ellen Ostermann, White Bear
Lake
Dennis Clare Palm, Minneapolis
Esther Seim Ray, Minneapolis
Bette Anne Ripke, Minneapolis, WITH
 HIGH DISTINCTION

Donna Johnston Scholta, Savage
Marlene Marguerite Schreyer, A.A.,
Faribault
Marilyn Joy Schroeder, A.A., Minne-
apolis
Rosemary Bernadette Seledic, Minne-
*apolis, WITH DISTINCTION**
Doyle Eugene Shaffer, A.A., Richfield
Dorothy Snider Smith, Minneapolis,
 WITH DISTINCTION
Stuart Dean Snyder, St. Paul
Diane Hansen Sorensen, Savage
Constance Ann Taylor, Minneapolis
Elisabeth Koukal Thompson, Vienna,
Austria, WITH DISTINCTION
Janice Faye Johnson Tweet, B.A.,
Minneapolis
Loren Joel Weinberg, Minneapolis
Nancy Berdahl Wheeler, Minneapolis
*Margaret Avis Woizeschke, Windom**
D'Arline Vye Wood, Savage

Master of Education

Mary Leonard Bassett, B.S.N.,
New Brighton
Jean Mary Craig, B.S., Rochester
Jean Wilber Currey, B.S., Memphis,
Tenn.
Agnes Bell Dempster, B.S., Garden
Grove, Calif.
Joanne Mary Elliott, B.S.N., Stillwater
Mildred Ines Freil, B.S.N.A.,
Des Moines, Iowa
Edna Mae Hamblin, B.S.N., Man-
chester, Iowa
Ruth Wombolt Helmke, B.S.N.,
Minneapolis
Ida Nellie Johnson, B.S.N., Webster
City, Iowa
Edward Brooks Jorgenson, B.S.,
Minneapolis
Mary Elizabeth Kestel, B.S.N., Water-
loo, Iowa

Patricia Ann Lamb, B.S., Minneapolis
Adeline Clarice Leraas, B.S., Barrett
Corby Dee Newman, B.S., Fergus Falls
Veronica Louise Novacek, B.S.N.,
Angus
Ruth Elizabeth Oja, B.S., Chesham,
N.H.
David Michael Schmit, B.S., St. Cloud
Sister James Marie Donahue, B.A.,
Cedar Rapids, Iowa
Michael Edwin Smith, B.S., Eden
Prairie
Janice Eleanor Weberg Swedberg,
B.S.N., Minneapolis
Eleanor Walters Treece, B.A., Minne-
apolis
Harold Lee Whitehead, B.A., Nevada,
Mo.

* Nursing Education Curriculum.

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

Bachelor of Science

Carol Elizabeth Borgeson, St. Paul,
Home Economics Education
Marilyn Irene Brockmeier, Minne-
apolis, Home Economics Education

Judith Ann Jagusch, Mahtomedi,
Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Science in Business

*Brian Arnold Brastad, B.E.E., Minne-
apolis, WITH DISTINCTION*

Thomas Edward Brennan, St. Paul
Arthur Raymond Carlson, Hopkins
Patsie Rae Clapesattle, Fort Wayne,
Ind.

*Wallace August Cutler, Downsville,
Wis., WITH DISTINCTION*

Donald Howard Engen, St. Paul

*Bruce H. Farrington, Blooming
Prairie, WITH DISTINCTION*

Norman Austin Hayes, Detroit Lakes

*Gene Willard Hemp, B.S., Minne-
apolis, WITH DISTINCTION*

Dale Marvin Jensen, New London

Ronald Edwin Kaatz, Minneapolis

Mary Alice Kelly, St. Paul
Lenny Duane Klonecz, New Brighton

Richard Lee Larson, Minneapolis

Ronald Erling Larson, Minneapolis

Richard Alan Lidstad, St. Paul

Jordan Nicholas McCann, St. Paul

Robert John Moeller, Rosemount

Melvin Louis Mogk, A.A., Mason
City, Iowa

Paul Charles Otto, Minneapolis

Ronald Julius John Rengel, Minne-
apolis

Hobart Michael Sheehan, St. Paul

Murray Duane Swenson, Owatonna

Robert James Taylor, Minneapolis

William Peter Winget, St. Paul

Bachelor of Science in Economics

Paul Clifdon Nystrom, St. Paul, WITH DISTINCTION

LAW SCHOOL

Bachelor of Laws

Robert Bern Danforth, B.A., Edina

*Thomas Sheridan Hay, B.A., Minne-
apolis, MAGNA CUM LAUDE*

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing Administration

Judith Ann Vierling, R.N., Redwood Falls

Bachelor of Science

- | | |
|---|---|
| Ellen Karine Erlandson, R.N., Ellsworth, Wis., Public Health Nursing | Emily Ann Mattson, Vancouver, Wash., Public Health Nursing, WITH HIGH DISTINCTION |
| Marguerite Holie, Streator, Ill., Public Health Nursing | Yolanda Ginnetti Perry, Waupaca, Wis., Public Health Nursing |
| Dorothy Elkins Kettleison, St. Paul, Public Health Nursing | Bernice B. Runke, Minneapolis, Public Health Nursing |
| Myrna Lee Kieske, Stillwater, Public Health Nursing | Lorraine Mattie Sandelin, R.N., St. Paul, Public Health Nursing |
| Mary Jane Klinger, Elgin, Ill., Public Health Nursing, WITH DISTINCTION | Jon Roland Thorshov, Minneapolis, Medicine |

Master of Nursing Administration

- | | |
|---|---|
| Nina Helen Dencklau, B.S., Vincent, Iowa | Anne Lillian Pavlich, B.S., South St. Paul |
| Phyllis Adele Dexter, B.S.N., Minneapolis | Sister Mary Jared Hoffmann, M.S., Chicago, Ill. |
| Mary Folsom Dixon, B.S.N., Minneapolis | Sister Mary Laurette Betz, B.S., Chicago, Ill. |
| Mary Jane Linder, B.S.N., Amarillo, Tex. | Rada Lucille Stanton, B.A., Burr Oak, Kan. |
| Lenora Bernice Mahoney, B.S., Hayward, Calif. | Catherine Martha Thompson, B.A., B.S., Fort Worth, Tex. |
| Ida Sather Martinson, B.S., Fosston | Lyndoll Louise Wells, B.S.N., West Plains, Mo. |
| Joan Heather McIntosh, B.S.N., Riverside, Conn. | May Violet Wilson, B.S., Virginia |

Master of Public Health

- | | |
|---|--|
| Therese Anne Coakley, B.S.N., Canton, N.Y.* | Betty Jeanne Ruano, B.S.N., Taylor, Mich.* |
| Grace Mary Ederer, B.A., Minneapolis | Dolores Anne Shade, B.S.N., Altoona, Pa.* |
| Mabel Lucile Johnson, R.N., B.S., St. Paul* | |

* These degrees are conferred subject to completion of field work prior to December 15, 1962.

Marcy Jane Singer, B.S., Syracuse,
N.Y.*

Amy Elizabeth Verrall, B.S., St. Paul*

GRADUATE SCHOOL

Master of Arts

Robert William Alden, St. Paul
B.A. '56, Macalester College. Field of Con-
centration: Curriculum and Instruction.

Judith Usdin Alterman, Minneapolis
B.A. '42, Hunter College of the City of New
York. Field of Concentration: Art Education.

George Winton Anderson, Minne-
apolis
B.A. '51, Gustavus Adolphus College. Field of
Concentration: History.

Roger Clare Anderson, St. Paul
B.S. '59, Mankato State College. Field of
Concentration: Educational Psychology.

Helen Marie Backlin, Minneapolis
B.A. *magna cum laude* '44, University of Min-
nesota. Major: Speech and Theater Arts.
Minor: Scandinavian. Thesis: A Study of the
Portrayal of Portia.

Ilyas Ba-Yunus, Karachi, Pakistan
B.A. '54, M.A. '55, University of Karachi.
Field of Concentration: Geography.

Norman Frank Benson, Grand Rapids
B.S. *cum laude* '57, University of Minnesota.
Field of Concentration: Education.

William Sherman Berner, Minne-
apolis
B.A. *cum laude* '61, University of Minnesota.
Field of Concentration: Library Science.

John Paul Best, Cedar Rapids, Iowa
B.Mus. '56, Coe College. Field of Concen-
tration: Curriculum and Instruction.

Eddie Ken Birch, Crystal
B.S. '59, Stout State College. Field of Con-
centration: Industrial Education.

Odell Marvin Bjerckness, Montevideo
B.A. *cum laude* '56, Luther College. Field of
Concentration: French.

Gerald R. Bodelson, Red Wing
B.S. '58, Mankato State College. Field of Con-
centration: Educational Psychology.

Gene Herbert Boldt, Duluth
B.M.E. '53, Texas Lutheran College. Field of
Concentration: Education.

Thomas Gerhard Boman, Duluth
B.S. *cum laude* '53, Gustavus Adolphus Col-
lege. Field of Concentration: Curriculum and
Instruction.

Robert Edward Boynton, Blue Earth
B.B.A. '56, University of Minnesota. Field of
Concentration: Industrial Relations.

Robert Louis Brimi, Morris
B.S. '51, Winona State Teachers College. Field
of Concentration: Industrial Education.

Thomas Euclid Brisson, Hugo
B.S. '58, University of Minnesota. Field of
Concentration: Educational Psychology.

Richard Rollo Buck, Nevis
B.S. '54, River Falls State College. Field of
Concentration: Physical Education.

Gail Julia Carroll, Santa Barbara,
Calif.
B.A. '60, University of Portland. Field of
Concentration: English.

Wesley John Cato, Duluth
B.A. '49, B.S. '60, University of Minnesota.
Field of Concentration: Curriculum and In-
struction.

* These degrees are conferred subject to completion of field work prior to December 15, 1962.

Kilja Choe, Seoul, Korea

B.A. '61, Gettysburg College. Field of Concentration: Educational Psychology.

Donovan Frankland Cowan, Regina, Saskatchewan, Canada

B.A. '48, University of Saskatchewan. Field of Concentration: Music Education.

Earl Ray Curry, Minneapolis

B.S. '60, Iowa State College. Field of Concentration: History.

Donald A. Dahlin, St. Paul

B.A. '52, M.A. '59, University of Minnesota. Field of Concentration: Library Science.

Harold Allen Drescher, Bemidji

B.S. '57, Bemidji State Teachers College. Field of Concentration: Physical Education.

Lewis Coleman Duckett, Minneapolis

B.S. with honors '50, Hampton Institute. Field of Concentration: Art Education.

Donald Peabody Duncan, St. Paul

B.A. '58, University of South Dakota. Field of Concentration: Library Science.

Edith Joy Dzubay, Minneapolis

B.S. in Educ. '58, University of Wisconsin. Field of Concentration: Educational Psychology.

Elmer George Eckland, Minneapolis

B.S. '51, Wisconsin State College (Superior). Field of Concentration: Curriculum and Instruction.

John Richard Eix, Park Rapids

B.S. '51, University of Minnesota. Field of Concentration: Agricultural Education.

Dominic Joseph Elioff, Duluth

B.S. '59, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Curtis Abner Emberson, Richfield

B.A. '50, Augsburg College. Field of Concentration: Educational Administration.

Donald Arne Embretson, Crystal

B.A. '49, Augsburg College; B.S. '51, University of Minnesota. Field of Concentration: Educational Administration.

Kerwin Peter Engelhart, Rochester

B.A. '51, Hamline University. Field of Concentration: Physical Education.

Dillard Marion Eubank, Jr., Minneapolis

B.A. '49, University of Colorado. Field of Concentration: Educational Psychology.

Alfred Figures, Mobile, Ala.

B.S.Sec.Ed. '56, Alabama State College. Field of Concentration: Art Education.

James Richard Flis, West St. Paul

B.B.A. '54, B.S. '58, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Donald Dean Foss, White Bear Lake

B.S. '55, University of Minnesota. Field of Concentration: Education.

Arthur John Fraser, Ft. Garry, Manitoba, Canada

B.S. in P.E. '50, McGill University. Field of Concentration: Physical Education.

Graham Stanton Frear, Northfield

B.A. '47, St. Olaf College. Field of Concentration: Curriculum and Instruction.

Byron Neil Golie, Sacred Heart

B.A. *magna cum laude* '58, Augsburg College. Field of Concentration: Educational Psychology.

Ronald Frederick Green, Warroad

B.S. '56, Bemidji State Teachers College. Field of Concentration: Curriculum and Instruction.

Patricia Anne Griggs, Webster Groves, Mo.

B.S. in Educ. '51, Central Missouri State Teachers College. Field of Concentration: Child Psychology.

James Maglorie Hahn, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Library Science.

Darlene Kalfahs Haskin, Red Wing

B.A. '56, Carleton College. Field of Concentration: Educational Psychology.

Robert David Hein, Wayzata

B.A. '58, Hamline University. Field of Concentration: Educational Administration.

Mary Armfield Hill, St. Paul

B.A. '61, Oberlin College. Field of Concentration: History.

Garth Edwin Hinderman, Minneapolis

B.A. '52, Hamline University. Field of Concentration: Educational Administration.

Joseph Conrad Jerdee, Minneapolis

B.A. '49, Luther College. Field of Concentration: German.

George Arthur Johnson, Duluth

B.S. '57, Montana State College. Field of Concentration: Education.

Mary Elizabeth Carlson Johnson, Minneapolis

B.S. '52, Winona State Teachers College. Field of Concentration: Curriculum and Instruction.

Ruth Elizabeth Jones, Red Wing

B.A. '45, University of Minnesota. Field of Concentration: Spanish.

Arley Duane Jonish, Mahanomen

B.S. '49, Bemidji State Teachers College. Field of Concentration: Library Science.

Frank Foster Kelley, St. Paul

B.S. '58, Winona State College. Field of Concentration: Art Education.

Geraldine Elizabeth Beaty King, Minneapolis

B.A. '58, Grinnell College. Field of Concentration: Library Science.

Jack Burge King, Minneapolis

B.A. *magna cum laude* '53, M.A. '57, University of Minnesota. Major: Library Science. Minor: History. Thesis: The Attitudes of the Midwest and South Toward International Copyright.

Sandra Elaine Knutson, Minneapolis

B.S.(Educ.) '59, University of Wisconsin. Field of Concentration: Educational Psychology.

Dolly Sorabji Kotwal, Bombay, India

B.A. '54, M.A. '56, University of Bombay. Field of Concentration: Child Psychology.

Marvin Glenn Lamppa, Aurora

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Jon Ambrose Lokensgard, Richfield

B.S. '56, University of Minnesota. Field of Concentration: Educational Administration.

Ronald Clyde Main, New Brighton

B.A. '56, Augsburg College. Field of Concentration: Educational Administration.

Kathleen Major, Winnipeg, Manitoba, Canada

B.A. '58, University of Manitoba. Field of Concentration: Educational Psychology.

Harriet Ostenso Manahan, Zimmerman

B.S. '42, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Catherine Jean Marasco, Eveleth

B.S. with high distinction '58, University of Minnesota. Field of Concentration: Physical Education.

Helen Elizabeth Meier Marsh, Eden Prairie

B.S. '37, University of Minnesota. Field of Concentration: Art Education.

Joseph Martin McCabe, Minneapolis

B.A. '56, Marquette University. Field of Concentration: History.

Mary Judith Dalglish McCartin, St. Paul

B.A. '59, College of St. Catherine. Field of Concentration: English.

Louis George Mendel, Minneapolis

B.S. '50, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction.

Louise Amelia Meyer, Springfield, Ill.

B.S. *magna cum laude* '58, St. Louis University. Field of Concentration: English.

M. Darrell Miller, Fridley

B.S. '59, Moorhead State College. Field of Concentration: Educational Administration.

Kent Allen Musser, Mound

B.A. '56, Gustavus Adolphus College. Field of Concentration: Educational Psychology.

Clarette Olson Noah, Minneapolis

B.A. '53, B.S. '54, University of Minnesota. Field of Concentration: Curriculum and Instruction.

John Leroy Nyberg, Minneapolis

B.S. '58, University of Minnesota. Field of Concentration: Music Education.

William Truman Ojala, Minneapolis

B.S. '58, University of Minnesota. Field of Concentration: Education.

Robert Jonathan Ostrem, Joliet, Ill.

B.A. '56, St. Olaf College. Field of Concentration: Educational Psychology.

Kristoffer Frimann Paulson, Northfield

B.A. '56, St. Olaf College. Field of Concentration: English.

Walter Eldon Pederson, Bakersfield, Calif.

B.S. with distinction '51, University of Minnesota. Field of Concentration: Education.

Joanne Peterson, Minneapolis

B.A. *magna cum laude* '52, Hamline University. Field of Concentration: Curriculum and Instruction.

Joanne Elizabeth Peterson, Battle Lake

B.S. '57, University of Minnesota. Field of Concentration: Art Education.

Leo Isidore Philippe, Mishawaka, Ind.

B.A. *cum laude* '60, University of Notre Dame. Field of Concentration: German.

Jean Ann Poirier, Cloquet

B.S. *summa cum laude* '61, Bemidji State College. Field of Concentration: Educational Psychology.

Bonnie Jean Powell, La Crosse, Wis.

B.S. with highest honors '59, State Teachers College (LaCrosse). Field of Concentration: Curriculum and Instruction.

Dale Edwin Prosser, Nicollet

B.S. '58, Mankato State College. Field of Concentration: Educational Administration.

Maria Pshenichny, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Library Science.

David Joseph Rieder, St. Cloud

B.A. '52, St. John's University. Field of Concentration: Educational Administration.

Rodney Elvin Sahlstrom, Milaca

B.S. with distinction '33, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Lyman Tower Sargent, Rochester

B.A. '61, Macalester College. Field of Concentration: American Studies.

Elwood Alvin Sattervall, Rochester

B.S. '59, Wisconsin State College (LaCrosse). Field of Concentration: Physical Education.

Thomas Martin Scheets, Onamia

Crosier Seminary. Major: Latin. Minor: English. Thesis: The Contribution of Basic Latin Studies to the Broadening of One's Concept of Modern Man.

Clarence Myron Schultz, Duluth

B.A. '48, University of Minnesota. Field of Concentration: Education.

Wayne Walter Scott, Hutchinson

B.S. '57, Bemidji State Teachers College. Field of Concentration: Curriculum and Instruction.

Sister Mary Catherine Shambour, Duluth

B.A. '51, College of St. Scholastica. Field of Concentration: Education.

Sister Mary Daniel Hartnett, Minneapolis

B.A. '56, College of St. Catherine. Field of Concentration: Curriculum and Instruction.

Sister Giles Reller, St. Joseph

B.A. '57, College of St. Benedict. Field of Concentration: Curriculum and Instruction.

Sister Giovanni Damiani, Minneapolis

B.A. '58, College of St. Catherine. Field of Concentration: Curriculum and Instruction.

Sister Mary Josette Kelly, Des Moines, Iowa

B.A. *magna cum laude* '59, Clarke College. Field of Concentration: Music.

Sister St. Matthew Grossman, St. Paul

B.A. '56, College of St. Catherine. Field of Concentration: Curriculum and Instruction.

Sister Mary Severina Ciatti, St. Paul

B.A. '57, College of St. Catherine. Field of Concentration: Curriculum and Instruction.

Sister Mary William Clare Beyer,
Milwaukee, Wis.

B.S. in Educ. '62, Cardinal Stritch College.
Field of Concentration: Curriculum and In-
struction.

Thomas Paul Slavens, Des Moines,
Iowa

B.A. '51, Phillips University; B.D. '54, Union
Theological Seminary. Major: Library Science.
Minor: Journalism. Thesis: A History of the
Drake University Libraries.

Alice Margaret Stahnke, St. Paul

B.S. with distinction '52, University of Minne-
sota. Field of Concentration: Curriculum and
Instruction.

Everett Lavern Sutton, Minneapolis

B.A. *magna cum laude* '60, Austin College.
Field of Concentration: Music.

Louise Ogilvie Thompson, Edina

B.E. '42, Rhode Island College of Education.
Field of Concentration: Library Science.

Thomas Samuel Triplet, Crystal

B.A. '52, Macalester College. Field of Concen-
tration: Curriculum and Instruction.

Rhoda Jal Vania, Karachi, Pakistan

B.A. '56, Central Government College for
Women (Karachi); M.A. '58, Karachi Univer-
sity. Field of Concentration: English.

Lowell Thomas Van Tassel, Minne-
apolis

B.S. '52, University of Minnesota. Field of
Concentration: Educational Psychology.

Gordon Fredrick Weihrauch, Hibbing

B.S. '53, St. Cloud State Teachers College.
Field of Concentration: Education.

Donald Phillip Welbes, Minneapolis

B.A. '52, Iowa State Teachers College. Field
of Concentration: Educational Administration.

Richard Anthony Whalen, Oconomowoc,
Wis.

B.S. *magna cum laude* '54, Eau Claire State
Teachers College. Field of Concentration: Cur-
riculum and Instruction.

Barbara Ann Wiggins, Minneapolis

B.S. '57, University of Minnesota. Field of
Concentration: Physical Education.

Helen Fisher Williams, International
Falls

B.S. with distinction '58, University of Minne-
sota. Field of Concentration: Educational Psy-
chology.

David Robert Winter, Winnipeg,
Manitoba, Canada

B.A. '56, University of Manitoba. Field of
Concentration: English.

Barbara Joan Wittles, Minneapolis

B.A. *cum laude* '60, University of Minnesota.
Field of Concentration: Political Science.

Frank Henderson Wood, Minneapolis

B.A. *magna cum laude* '51, Harvard College;
M.A. '53, Haverford College; B.S. '54, Uni-
versity of Minnesota. Field of Concentration:
Educational Psychology.

John Benson Wood, Madison, Wis.

B.S.Ed. '56, University of Wisconsin. Field of
Concentration: Mathematics.

Thelma Douglas Wood, Chipley, Fla.

B.S. '54, Florida A and M University. Field
of Concentration: Speech Pathology.

Louise Marie Wuertz, Austin

B.S. with distinction '60, University of Minne-
sota. Field of Concentration: Curriculum and
Instruction.

Gordon Douglas Young, Minneapolis

B.A. '60, University of Minnesota. Field of
Concentration: History.

Joseph Leonard Zaccaro, Jr., Malverne,
N.Y.

B.A. '60, Union College. Field of Concentra-
tion: Psychology.

Master of Arts in Public Administration

Don Irvin Wortman, Rockville, Md.

B.A. '51, Macalester College. Major: Public Administration. Thesis: Operations Research in Public Administration—A Perspective.

Master of Business Administration

Donald Richard Dow, St. Paul

B.S.E.E. '59, University of Wisconsin. Field of Concentration: Business Administration.

Master of Fine Arts

Lawrence Hanson, Minneapolis

B.A. '59, University of Minnesota. Major: Art. Thesis: Henry Moore: His Mastery of Sculptural Form and Its Relationship to the Content of His Work.

Master of Science

Jai Parkash Bajaj, Ferozepore, Punjab,
India

M.A. in Econ. '58, University of Delhi (India).
Field of Concentration: Business Administration.

Rufus Olufemi Bankole, Lagos,
Nigeria

B.A. '59, Moorhead State Teachers College.
Major: Microbiology. Minor: Public Health.
Thesis: Detection of *Aspergillus Flavus* in Soil
by Immunofluorescent Staining.

Beverly Louise Boyce Blum, Windom

B.S. '59, Hamline University. Major: Anatomy.
Minor: Zoology. Thesis: DNA Synthesis in
Pancreatic Islet Tissue of Pre- and Postnatal
Rats Under Normal and Diabetic Conditions.

William Maynard Bugbee, Clinton,
Iowa

B.A. '57, State University of Iowa. Major: Plant
Pathology. Minor: Botany. Thesis: Studies on
the Epidemiology of *Cylindrocladium Scoparium*
Morgan.

Jung Sic Chai, Seoul, Korea

B.S.B.A. '59, University of Denver. Field of
Concentration: Business Administration.

Gamil Aziz Chelico, Cairo, Egypt

B.A. with honors '60, American University at
Cairo. Field of Concentration: Business Ad-
ministration.

Lynette Eileen Christensen, Forest-
burg, S.D.

B.A. *magna cum laude* '60, Augustana College.
Major: Organic Chemistry. Minor: Analytical
Chemistry. Thesis: The Reaction of Dichloro-
carbene With the Isomeric Dihydrothiopyrans.

Robert Vincent Coyne, Minneapolis

B.S. with distinction '55, University of Minne-
sota. Major: Physiological Chemistry. Minor:
Anatomy. Thesis: Changes in the N-Terminal
Amino Acid Patterns of Fibrinogen and Fibrin
Resulting from the Action of Fibrinolytic En-
zymes.

Eleanor Barbara Danysh, San Antonio,
Tex.

B.S. '60, University of Texas. Field of Con-
centration: Public Health.

Walter Ronald Fehr, East Grand
Forks

B.S. with high distinction '61, University of Minnesota. Major: Plant Genetics. Minor: Soils. Thesis: The Inheritance of Lodicule Size in Barley and Its Relationship to Amount of Loose Smut Infection.

Vitalij Garber, St. Paul

B.Phys. '59, University of Minnesota. Field of Concentration: Physics.

Roland Orlen Gertjeansen, Fulda

B.S. with distinction '61, University of Minnesota. Major: Forestry. Minor: Plant Pathology. Thesis: The Application of Electrical Conductivity Measurements to the Study of the Permeability of Wood.

Gauri Sankar Ghosh, Calcutta, India

B.Com. '51, University of Calcutta. Field of Concentration: Business Administration.

Patricia M. Hanauer, Albany

B.S. '52, University of Minnesota. Major: Anatomy. Minor: Pathology. Thesis: The Morphology of Supravivally Stained Blood and Bone Marrow Cells in Dry Films.

Madelyn Virginia Hargrave, Minneapolis

B.S. '45, North Dakota Agricultural College. Major: Home Economics. Minor: Physiological Chemistry. Thesis: Observations of Creatinine and Creatine Excretion of Men and Women Subjects Consuming Controlled Diets.

Ursula Ann Holahan, Rochester, N.Y.

B.S. '47, Cornell University. Field of Concentration: Home Economics.

James Victor Johnson, Blue Earth

B.S. '51, University of Minnesota. Field of Concentration: Agricultural Economics.

Robert Allin Kolstad, Albert Lea

B.A. '60, University of Minnesota. Major: Microbiology. Minor: Agricultural Biochemistry. Thesis: Purification and Concentration of Actinophages.

Yong Joon La, Seoul, Korea

B.S. '57, Seoul National University. Major: Plant Pathology. Minor: Horticulture. Thesis: Studies on Variability and Pathogenicity of *Cercospora Beticola* Sacc. on Sugar Beet.

Gary Robert Lindell, Litchfield

B.S. '60, University of Minnesota. Field of Concentration: Forestry.

Peter Louis Miller, Jr., St. Paul

B.A. '55, University of Minnesota. Major: Geology. Minor: Zoology. Thesis: Some Coccolithophorids and Related Nannofossils from the Upper Cretaceous of Southwestern Arkansas.

Arlo Frederick Moss, Ogilvie

B.S. with distinction '61, Arizona State College. Field of Concentration: Botany.

Donald Fredrick Mowbray, Duluth

B.S. with distinction '60, University of Minnesota. Major: Mechanics and Materials. Minor: Metallurgy. Thesis: The Effect of Non-Linear Cyclic Stress-Strain Properties on Low-Cycle Fatigue Behavior in Flexure.

Prantosh Nag, Calcutta, India

B.A. '53, University of Calcutta. Field of Concentration: Agricultural Economics.

Jai Wook Shim, Pusan, Korea

B.S. '57, Seoul National University. Field of Concentration: Genetics.

Sister Mary Arthur Liners, Duluth

B.S. '41, College of St. Scholastica. Field of Concentration: Public Health.

Myron Dean Stolte, Minneapolis

B.S. '57, State University of Iowa. Field of Concentration: Business Administration.

Meenakshisunder Venkatesan, Jamshed Pur, India

B.Com. '59, Bihar University (India). Field of Concentration: Business Administration.

Carson Kung-Hsien Wu, Tainan, Taiwan, China

B.S.Agr. '57, Taiwan Provincial College of Agriculture. Field of Concentration: Agricultural Economics.

Hasram Zainoeddin, Bandung, Indonesia

M.Arch. '60, Institute of Technology, Bandung. Major: Architecture. Minor: Civil Engineering. Thesis: A Community Center for the West Bank Development in Minneapolis.

Muhammad Yameen Zubairi, Karachi,
Pakistan

B.Sc.(Hons) '57, M.Sc. '58, University of Karachi. Major: Entomology. Minor: Agricultural Biochemistry. Thesis: The Pick-Up of C¹⁴.DDT at Various Temperatures by the Larvae of *Aedes Aegypti* (L).

Leon Paul Zukowski, Hamtramck,
Mich.

B.S. *summa cum laude* '56, University of Detroit. Field of Concentration: Physics.

Master of Science in Aeronautical Engineering

Eugene Magnus Linhart, Sykeston,
N.D.

B.S.M.E. '58, North Dakota Agricultural College. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: Air Permeability of Woven Screens with Respect to Compressibility and Viscosity Effects.

Master of Science in Anesthesiology

John Ralph Gordon, Minneapolis

M.D., C.M. '51, Queen's University. Major: Anesthesiology. Minor: Pharmacology. Thesis: The Compliance of Excised Dog Lungs and Its Relation to Lung Volumes, Body Weight and Dry Lung Weight.

Master of Science in Civil Engineering

Duane Thomas Prew, Walnut Grove

B.S.C.E. '60, South Dakota State College.
Field of Concentration: Civil Engineering.

Master of Science in Dentistry

Larry Joe Cason, Wichita Falls, Tex.

D.D.S. '59, Baylor University. Major: Dentistry. Minor: Pathology. Thesis: The Use of Polyurethane Polymer in the Treatment of Mandibular Fractures: Experimental Results.

Robert Albert Kay, Dearborn, Mich.

D.D.S. '60, University of Detroit. Major: Dentistry. Minor: Anatomy. Thesis: A Serial Investigation of the Behavior of Twenty Cephalometric Analysis Measurements During Growth as an Aid to Orthodontic Diagnosis.

Thomas Dwight Murphy, Jr., Duluth

B.S. '58, D.D.S. '60, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: An Investigation of Some of the Effects of Rapid Expansion of the Maxillae in Cleft Lip and Cleft Palate Patients.

Richard John Rozehnal, St. Paul

B.S. '55, D.D.S. '57, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: An Investigation of Some of the Responses to Controlled Tooth Movement Forces in the Hamster.

Burton Leonard Shapiro, Minneapolis
D.D.S. '58, New York University. Major: Dentistry. Minor: Pathology. Thesis: A Morphologic and Histochemical Study of Proliferative Lesions in the Hamster Submandibular Gland.

Peter Firey Taylor, Miami, Fla.
D.D.S. '59, Washington University. Major: Dentistry. Minor: Pathology. Thesis: Nerve Endings in the Human Anterior Hard Palate.

Robert Austin Vickers, Minneapolis
D.D.S. '57, St. Louis University. Major: Dentistry. Minor: Pathology. Thesis: Induction of Melanotic Lesions in the Syrian Golden Hamster.

Robert Emerson Youngquist, Denver, Colo.
B.S. '58, D.D.S. '60, University of Minnesota. Major: Dentistry. Minor: Anatomy. Thesis: An Investigation of Some of the Forces Produced by a Rapid Maxillary Expansion Appliance in Monkeys.

Master of Science in Electrical Engineering

Richard William Carlson, Robbinsdale
B.S. with distinction '59, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Studies of the Dynamic Properties of Langmuir Probes.

Kent Arthur Penwarden, Rochester
B.S. with distinction '60, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Theoretical and Experimental Investigation of a Microwave Traveling-Wave Oscillator.

Dirk Vossenaar, Hague, Netherlands
B.Sc. '52, Technical College of Mechanical and Electrical Engineering in the Hague (Holland). Major: Electrical Engineering. Minor: Mathematics. Thesis: The Transmission of Electric Energy by High Voltage Direct Current; Causes of Transmission Failure, and Protection of H.V.D.C. Power Systems.

Master of Science in Industrial Engineering

Douglas Richard Norman, St. Paul
B.M.E. with distinction '60, University of Minnesota. Field of Concentration: Industrial Engineering.

Master of Science in Mechanical Engineering

Leslie Ernest Anderson, Duluth
B.S. '59, University of Minnesota. Major: Mechanical Engineering. Minor: Mathematics. Thesis: Pressure Distribution in a High Temperature Jet.

Erdem Bektas, Adapazari, Turkey
B.S. '56, Yildiz Technical School (Turkey). Field of Concentration: Mechanical Engineering.

Master of Science in Medicine

Kenneth Ralph Briggs, Murtaugh, Idaho
B.S. with high honors '50, University of Idaho; M.D. '54, Harvard University. Major: Medicine. Minor: Pathology. Thesis: A Search for Seasonal Variation in 17 Hydroxycorticosteroid Excretion.

Gabriel Thrasvoulos Koroxenidis, Athens, Greece
M.D. '53, University of Athens. Major: Medicine. Minor: Physiology. Thesis: Cardiovascular Response to Acute Heat Stress.

John Harvey Martin, Chambersburg,
Pa.

B.A. '54, Gettysburg College; M.D. '58, Temple University. Major: Medicine. Minor: Pathology. Thesis: Nonmyelomatous Amyloid Disease of the Kidney.

Master of Science in Neurology

Richard Henry Mattson, Rochester

B.S. '53, Yale University; M.D. '57, Boston University. Major: Neurology. Minor: Basic Neurologic Sciences. Thesis: The Mechanisms of Bilateral Strychnine Spike Synchrony in the Cat Cortex.

Master of Social Work

Paul Bernard Eid, St. Paul

B.A. '47, St. Olaf College. Field of Concentration: Social Work.

Doctor of Philosophy

Robert Charles Albrecht, Aurora, Ill.

B.A. '55, University of Illinois; M.A. '57, University of Michigan. Major: American Studies. Thesis: The New England Transcendentalists' Response to the Civil War. Major Adviser: Prof. C. H. Foster.

Om Parkash Bahl, Delhi, India

M.Sc. '50, Punjab University (India). Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Studies on the Fine Structure of Glycogen and Amylopectin. Major Adviser: Prof. Fred Smith.

Dong Suh Bark, Seoul, Korea

M.A. '56, Seoul National University; M.A.P.A. '59, University of Minnesota. Major: Political Science. Minor: Business Administration and Psychology. Thesis: Public Personnel Administration in Korea: A Mixed Heritage in Contemporary Practice. Major Adviser: Prof. G. A. Warp.

Don Howard Boelter, Lambertton

B.S. '55, Iowa State College; M.S. '58, University of Minnesota. Major: Soils. Minor: Plant Pathology. Thesis: A Study of Some Physical Properties of Several Peat Materials and Their Relation to Field Water Conditions in the Peat Bog. Major Adviser: Prof. C. R. Blake.

Roland Paul Dille, Dassel

B.A. *summa cum laude* '49, University of Minnesota. Major: English. Minor: Art. Thesis: David Garnett and the Bloomsbury Group. Major Adviser: Prof. L. H. Unger.

Sukanta Kumar Dutta, Balasore, India

B.Sc.(Vet.) '56, Bombay Veterinary College; M.S. '59, University of Minnesota. Major: Veterinary Bacteriology. Minor: Pathology. Thesis: Isolation and Characterization of an Enterovirus Isolated from Baby Chicks Having an Enteric Infection. Major Adviser: Prof. B. S. Pomeroy.

JeDon Allen Emenhiser, Logan, Utah

B.A. *cum laude* '55, University of Redlands. Major: Political Science. Minor: American Studies. Thesis: Armed Politics: An Analysis and Comparison of Six Cases in the United States. Major Adviser: Prof. M. Q. Sibley.

John Richard Fassett, Minneapolis

B.E.E. with distinction '56, M.S.E.E. '58, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Electronic Fluctuations in Solids Involving the Transport, Generation, and Recombination of Charge Carriers. Major Adviser: Prof. K. M. van Vliet.

Robert Lee Granger, Edina

B.A. '46, Iowa State Teachers College; M.A. '53, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Administrative Staffing for Instructional Program Development and Implementation in Selected Minnesota Schools. Major Adviser: Prof. O. E. Doman.

James Leroy Hardy, Fort Benton, Mont.

B.A. '54, M.A. '56, Montana State University. Major: Microbiology. Minor: Entomology. Thesis: Studies on Inhibitors of Arthropod-borne Animal Viruses in Plasmas from Shot Birds. Major Adviser: Dr. W. F. Scherer.

Martha Isabel Harris, Ypsilanti, Mich.

B.S. '34, University of Michigan; M.Ed. '51, University of Minnesota. Major: Education. Minor: Psychology. Thesis: A Study of Conceptions of the Head Nurse Role Held by Students in Selected Nursing Programs. Major Adviser: Prof. R. E. Eckert.

William Lawrence Hathaway, Minneapolis

B.A. '41, The University of Kansas City. Major: Political Science. Minor: Sociology. Thesis: Interest in Politics: Measured by the Readership of News About Politics in a Metropolitan Daily Newspaper, 1950-1959. Major Adviser: Prof. H. W. Chase.

Robert Tombaugh Hazzard, Washington, D.C.

B.F.A. '54, Illinois Wesleyan University; M.A. '55, Michigan State College. Major: Speech and Theater Arts. Minor: English. Thesis: The Development of Selected American Stage Directors from 1926 to 1960. Major Adviser: Prof. K. L. Graham.

Paul Robert Henrickson, Radford, Va.

B.F.A. '51, Rhode Island School of Design; M.Ed. '54, State Teachers College at Boston. Major: Education. Minor: Art. Thesis: A Study of the Behavior of Creative Children in the Manipulation of Non-Verbal Material. Major Adviser: Prof. W. R. Hastie.

Roger Gary Johnson, Kindred, N.D.

B.S. '56, North Dakota Agricultural College; M.S. '58, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: The Relationship of Characteristics of Farmers to Their Efficiency of Production in the Dairy and Hog Enterprises. Major Adviser: Prof. S. A. Engene.

Marvin Lawrence Michael Kay, San Jose, Calif.

B.A. '50, Maryville College. Major: History. Minor: Political Science. Thesis: The Institutional Background to the Regulation in Colonial North Carolina. Major Adviser: Prof. W. D. Beatty.

Waman Sadasheo Khokley, Bilaspur, India

B.E. '55, Government Engineering College, Jabalpur (India); M.S.E.E. '59, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Escape Mechanism of Secondary Electrons in Polar Crystals. Major Adviser: Prof. K. M. van Vliet.

Charles Miller King, West Salem, Ill.

B.A. '54, University of Illinois. Major: Physiological Chemistry. Minor: Organic Chemistry. Thesis: Studies on the Interaction of Oxidative Metabolites of the Carcinogen 2-Acetylaminofluorene with Protein. Major Adviser: Dr. H. R. Gutmann.

Warren Donald Kress, Fargo, N.D.

B.A. '46, University of Minnesota. Major: Geography. Minor: Agricultural Economics. Thesis: The Geography of Electric Power in Minnesota. Major Adviser: Prof. J. R. Borchert.

Surendra Kumar, Roorkee, India

B.V.Sc. and A.H. '57, U. P. College of Veterinary Science and Animal Husbandry, Mathura. Major: Veterinary Bacteriology. Minor: Pathology. Thesis: The Isolation and Characterization of Staphylococcal Alpha Hemolysin. Major Advisers: Profs. B. S. Pomeroy and R. K. Lindorfer.

Kung-You Lee, Foochow, Fukien, China

B.S. '44, Ordnance Engineering College (Formosa); M.S. in Chem. Eng. '58, University of Minnesota. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Optimum Studies on Multi-bed Adiabatic Reactors with Cold Shot Cooling. Major Adviser: Prof. Rutherford Aris.

Alston Bancroft Meade, Jamaica, West Indies

B.A. '56, Fisk University; M.S. '59, University of Minnesota. Major: Entomology. Minor: Plant Pathology. Thesis: The Origin and Development of Populations of the Six-Spotted Leafhopper, *Macrosteles Fascifrons* (Stal.), on an Area Basis. Major Adviser: Prof. A. G. Peterson.

James E. Mikkelson, Minneapolis

B.S. '50, M.A. '56, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: An Experimental Study of Selective Grouping and Acceleration in Junior High School Mathematics. Major Adviser: Prof. W. E. Dugan.

Richard Linn Miller, Troutdale, Ore.

B.S. '55, M.S. '59, Oregon State College. Major: Chemical Engineering. Minor: Mathematics. Thesis: The Effect of Controlled Light Patterns on the Rate of Photosynthesis in an Algal Gas Exchanger. Major Advisers: Profs. H. M. Tsuchiya and A. G. Fredrickson.

John Dennis Nalewaja, Browerville

B.S. with distinction '53, M.S. '59, University of Minnesota. Major: Agronomy. Minor: Agricultural Botany. Thesis: The Effect of Ethyl N,N-DI-N-Propylthiolcarbamate (EPTC) and 1-N-BUTYL-3-(3,4-Dichlorophenyl)-1-Methylurea (Neburon) Upon Alfalfa Yield, Weed Control, Protein Content and Individual Free Sugars, and the Fate of C¹⁴-Labeled EPTC in Alfalfa. Major Adviser: Prof. A. R. Schmid.

**Murray Morris Neilson, Fredericton,
New Brunswick, Canada**

B.S. '53, University of New Brunswick; M.S. '57, University of Minnesota. Major: Entomology. Minor: Agricultural Biochemistry. Thesis: Pathogenicity and Host Relationships of a Cytoplasmic Polyhedrosis Virus Introduced Against the Winter Moth, *Operophtera Brumata* (L.) (Geometridae: Lepidoptera) in Nova Scotia. Major Adviser: Prof. A. C. Hodson.

Ladislav Peter Novak, Levin, New Zealand

Graduate '48, Charles University (Prague); M.A. '61, University of Minnesota. Major: Education. Minor: Physiological Hygiene and Anthropology. Thesis: Age and Sex Differences in Body Density and Creatinine Excretion of High School Children. Major Adviser: Prof. W. W. Heusner, Jr.

Fred Lewis Olson, Turtle Lake, Wis.

B.S. '50, Wisconsin State College (River Falls); M.S. '55, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Analysis of the Proportion of Grade A and Grade B Milk Patrons in Minnesota and Northwestern Wisconsin. Major Adviser: Prof. E. F. Koller.

Clell Thompson Peterson, Murray, Ky.

B.A. cum laude '49, M.A. '51, University of Minnesota. Major: English. Minor: History. Thesis: Romance and Realism in the Waverley Novels. Major Adviser: Prof. Martin Steinmann, Jr.

Heydar Radjavi, Tabriz, Iran

B.S. '56, University of Tehran; M.A. '60, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Simultaneous Unitary Invariants for Sets of Bounded Operators on a Hilbert Space. Major Adviser: Prof. G. K. Kalisch.

Philip Bond Ray, Oak Park, Ill.

B.A. '50, Antioch College; M.S. in Ed. '55, University of Pennsylvania. Major: Educational Psychology. Minor: Psychology. Thesis: A Descriptive Study of Certain Characteristics of 'High Creative' Freshman Arts College Students as Compared with 'High Potential' Students. Major Adviser: Prof. C. G. Wrenn.

Lyle Paul Schertz, Minneapolis

B.S. with high honors '53, M.S. '53, University of Illinois. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Direct Controls on Marketing in the Feed-Livestock Economy. Major Adviser: Prof. E. W. Learn.

Karl Max Schurr, Bellefontaine, Ohio

B.S. '56, M.A. '58, Bowling Green State University. Major: Entomology. Minor: Botany. Thesis: Some Factors Affecting Oviposition in the European Corn Borer, *Ostrinia nubilalis* (Hub.). Major Adviser: Prof. F. G. Holdaway.

**Erwin Maxwell Segal, Washington,
D.C.**

B.S. '57, University of Maryland. Major: Psychology. Minor: Philosophy. Thesis: Stimulus Perception as a Function of Response Set. Major Adviser: Prof. J. J. Jenkins.

**John Stephen Simmons, Gloucester,
Mass.**

B.A. '53, Boston University; B.S. '57, M.A. '57, University of Minnesota. Major: Education. Minor: English. Thesis: Comparison of a Theoretically Sound Reading Program with Current Practices of Secondary Schools in the Upper Midwest. Major Advisers: Profs. S. B. Kegler and G. L. Bond.

Thomas Alan Soldahl, Minneapolis

B.S. '47, M.A. '50, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: Secondary School Counselors Concept of Role in Relation to Personal Data and Psychogenic Needs. Major Adviser: Prof. W. E. Dugan.

Paul Ture Steen, Baton Rouge, La.

B.A. '33, Gustavus Adolphus College; M.A. P.A. '47, M.A. '49, University of Minnesota. Major: Social Work. Minor: Political Science. Thesis: A Study of Fairness in Juvenile Probation Services. Major Adviser: Prof. J. C. Kidneigh.

Lorraine Delores Sundal, Albert Lea

B.S. with distinction '51, M.A. '57, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Comparative Analysis of the Emerging Nine-Year School in Norway. Major Advisers: Profs. W. E. Dugan and R. H. Beck.

Russell Glenwood Thompson, Rushmore

B.A.B.A. with high distinction '57, University of Minnesota. Major: Agricultural Economics. Minor: Statistics. Thesis: An Approach to Estimating Optimum Sizes of Butter-Powder Plants. Major Adviser: Prof. E. F. Koller.

Morley Preston Toombs, Saskatoon, Saskatchewan, Canada

B.A. with honors '29, M.A. '32, B.Ed. with distinction '38, M.Ed. '41, University of Saskatchewan. Major: Educational Administration. Minor: Educational Psychology. Thesis: The Control and Support of Public Education in Rupert's Land and the North-West Territories to 1905 and in Saskatchewan to 1960. Major Adviser: Prof. O. E. Domian.

Alan Zelick Trachtenberg, Philadelphia, Pa.

B.A. *cum laude* '54, Temple University; M.A. '56, University of Connecticut. Major: American Studies. Thesis: Brooklyn Bridge, Fact and Symbol (1869-1930): A Study of an American Monument. Major Advisers: Profs. Bernard Bowron and D. T. Tselos.

Erich Philip Valstyn, St. Paul

B.S.E.E. '57, M.S. '58, University of Manitoba. Major: Electrical Engineering. Minor: Mathematics. Thesis: Ferromagnetic Resonance in Single-Domain Powders. Major Adviser: Prof. A. H. Morrish.

Karl John Vander Horck, Falcon Heights

B.A. '48, St. John's University; M.A. '55, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Comparative Analysis of the Equalizing Effect of Recent Legislation on the Financing of Education in the State of Minnesota. Major Adviser: Prof. O. E. Domian.

John Jerome von Szeliski, White Plains, N.Y.

B.S. '56, M.S. '58, Purdue University. Major: Speech and Theater Arts. Minor: English and Scandinavian. Thesis: Pessimism and the Tragic Vision: A Study of Tragedy in the Modern American Theatre. Major Adviser: Prof. A. H. Ballet.

John Clark Wilk, Clearwater, Kan.

B.S. '51, Kansas State University; M.S. '60, University of Minnesota. Major: Dairy Husbandry. Minor: Animal Husbandry and Plant Genetics. Thesis: Genetic and Phenotypic Relationships Between Certain Body Measurements and Milk Production in Dairy Cattle. Major Adviser: Prof. C. L. Cole.

Robert C. Wong, St. Paul

B.A. '54, M.S. '61, University of Minnesota. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: The Peptic Activation of Acetylated Trypsinogen and the Isolation of Degradation Products Labeled with ³²P. Major Adviser: Prof. I. E. Liener.

Ellen C. Lem Wu, China

B.A. '54, Carleton College. Major: Physical Chemistry. Minor: Mathematics. Thesis: Assignments and Force Constants of Diborane and Isotopic Derivatives. Major Adviser: Prof. Bryce Crawford, Jr.

Doctor of Philosophy in Radiology

Harley Corwin Carlson, Rochester

B.A. '47, Concordia College (Moorhead);
M.D. '51, University of Minnesota. Major:
Radiology. Minor: Physiology. Thesis: Motor
Action of the Gastroduodenal Junctional Zone:
A Cineradiographic, Pressure and Electric
Study. Major Adviser: Dr. C. A. Good.

Doctor of Philosophy in Surgery

Ronald Hamilton Hayward, Rochester

M.B.Ch.B. '51, Otago University. Major:
Surgery. Minor: Pathology. Thesis: Assessment
of the Role of the Colonic Mucosa, Kidney,
Liver and Endocrine Glands in Hyperchloremic
Acidosis: An Experimental Study in Dogs.
Major Adviser: Dr. W. H. ReMine.

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.

The long, pointed sleeve of the gown indicates a Bachelor's degree; the long, closed sleeve with a slit near the upper part of 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 Science, Literature, and the Arts	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 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

AUGUST, 1962

- 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 terrace of the Coffman Memorial Union. In case of rain the ballroom will be used.
- Those in the receiving line will be Regent and Mr. Howard, Dean and Mrs. Ziebarth, Miss Kathryn Wagnild, President of the Coffman Union Board of Governors, and Mr. Andre Zdrzil, vice president of the Minnesota Student Association.
- Assisting in the Reception are members of the Union Board of Governors and its committees, and of the following honorary societies: Chimes, Grey Friars, Iron Wedge, Mortar Board, Phoenix, and Silver Spur.
- Punch will be served. Members of the Union Board of Governors and of the honorary societies listed above will preside at the punch tables.

THE
UNIVERSITY OF MINNESOTA

Announces Its

December Commencement

1962

NORTHROP MEMORIAL AUDITORIUM
SATURDAY EVENING, DECEMBER 15
AT EIGHT O'CLOCK



University of Minnesota

THE BOARD OF REGENTS

Dr. O. Meredith Wilson, President

Mr. Laurence R. Lunden, Secretary

Mr. Clinton T. Johnson, Treasurer

Mr. Sterling B. Garrison, Assistant Secretary

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 Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable Bjarne E. Grottum, Jackson

The Honorable Robert E. Hess, White Bear Lake

The Honorable Fred J. Hughes, St. Cloud

The Honorable A. I. Johnson, Benson

The Honorable Lester A. Malkerson, Minneapolis

The Honorable A. J. Olson, Renville

The Honorable Otto A. Silha, Minneapolis

The Honorable Herman F. Skyberg, Fisher

SMOKING AND USE OF CAMERAS—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 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 eleventh 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 we offer preparation. Since its founding, the University has awarded nearly 165,000 degrees, each one in recognition of the successful completion of an exacting academic program.

In addition to giving collegiate instruction to more than 30,000 students annually on its Minneapolis, St. Paul, Duluth, Morris, 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 five 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 Theater, 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 pos-

sible 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.

Much of the University's thought and energy must be directed to planning for the anticipated increases in future enrollments. At present nearly half of the students participating in a program of higher education in the state attend the University of Minnesota. If our enrollment continues to increase as expected and if the other colleges in the state continue their enrollment growth according to the estimates they have themselves made, not less than 55,700 full-time college-level students will be attending the University in 1972. This will mean that more teachers, more civil service staff members, more land and more buildings will be needed.

THE 1961 LEGISLATURE granted the University \$49,068,181 for general operations and maintenance during the 1961-63 biennium. In addition, the University received \$6,938,423 for University Hospitals; \$4,432,496 for special appropriations, including special extension and research activities; and \$7,789,351 for new buildings, land, and for the rehabilitation of existing buildings.

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 1961-62 showed that the University's current income amounted to \$97,799,438.73 and the current expenditures, transfers, and adjustments amounted to \$97,800,406.54. Of the total received, \$8,728,544.63 came from student tuition and fees; \$11,688,647.86 from activities relating to educational departments such as Hospitals, Dental Clinic, Cancer Detection Center, and University Theater receipts and the sale of bulletins and agricultural products; \$1,687,180.03 from intercollegiate athletics; \$15,065,926.00 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 \$23,140,602.50 from trust funds, including gifts, grants, donations, and income from endowments and research contracts for instruction, research, prizes, scholarships, and the care of the sick. Also \$2,699,858.78 came from federal appropriations for instruction, research, and

agricultural extension. The state provided \$34,808,668.93 or 35.6% for the University's total operating costs.

Funds expended for the construction and remodeling of buildings and the purchase of land amounted to \$10,204,703.01.

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 and their financial support of the University through the Minnesota Alumni Association and its many alumni projects. Financial support is also urged for its various Special Project Programs including scholarships, medical and technological research, and college service funds which are administered by the Department of University Relations, 213 Morrill Hall, on the Minneapolis Campus.

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, their families, and their friends reach the Minneapolis Campus of the University of Minnesota this evening, they will hear the Frances Miller Brown Memorial Bells in Northrop Memorial Auditorium being played from 7:15 to 7:45 p.m. by Mr. Lowell Lindgren, SLA '63, 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.

ORGAN PRELUDE: From 7:30 to 8 p.m. Mr. Daniel W. Chorzempa, SLA '63, will play.

PROCESSION: The audience is requested to remain seated so that all can see the procession. At 8 p.m., Professor Stewart C. Thomson, M.D., Associate Director of the School of Public Health, Faculty Marshal, will carry the Mace into the Auditorium, heralding the arrival of the academic procession of candidates for degrees. Professor Thomson, as Mace Bearer, will present the Mace at the center of the stage. When all of those in the procession have taken their seats, he will put the Mace on the table to signal the beginning of the ceremonies. During the procession, Mr. Chorzempa will play:

Festival March - - - - - Handel

ON THE STAGE: The curtain will be opened when the Mace Bearer enters. Seated on the stage, from left to right, are: Associate Professor Douglas M. Dearden, Ph.D., General College, Marshal; Recorder True E. Pettengill, M.S., Admissions and Records; Professor Edwin L. Haislet, Ed.D., Executive Director of the Minnesota Alumni Association; Professor Albert K. Wickesberg, Ph.D., School of Business Administration; Major David L. Bills, U.S.A., Assistant Professor of Military Science; Dean William H. Crawford, D.D.S., School of Dentistry; Dean Horace T. Morse, Ph.D., General College; Associate Dean Marcia Edwards, Ph.D., College of Education; Professor Carl L. Nelson, Ph.D., Graduate School; Associate Dean Theodore H. Fenske, D.Sc., College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; The Honorable Bjarne E. Grottum, Regent of the University of Minnesota; President O. Meredith Wilson, Ph.D., University of Minnesota; Dean Julius M. Nolte, LL.B., General Extension Division, Commencement Speaker; Dean Errett W. McDiarmid, Ph.D., College of Science, Literature, and the Arts; Dean Edmund G. Williamson, Ph.D., Dean of Students; Vice President Stanley J. Wenberg, M.A., Educational Relationships and Development; The Reverend Paul A. Colbert, S.T.B., Adviser to Catholic Students and Staff Members on the St. Paul Campus of the University; Assistant Dean Mitchell V. Charnley, M.A., College of Science, Literature, and the Arts; Associate Dean Frank Verbrugge, Institute of Technology; Major Frederick D. Stockdale, U.S.A.F., Professor of Air Science; Assistant Dean H. Mead Cavert, M.D., College of Medical Sciences; Dean George P. Hager, Ph.D., College of Pharmacy; Dean Walter W. Cook, Ph.D., College of Education; Professor Roy A. Schuessler, M.M., Department of Music; Associate Professor W. Donald Beatty, Ph.D.,

Order of Events

College of Science, Literature, and the Arts, Marshal; Associate Professor William E. Rempel, Ph.D., Institute of Agriculture, 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 remain standing for the National Anthem and the Invocation.

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

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

INVOCATION: The Reverend Paul A. Colbert.

SPEAKING FOR THE UNIVERSITY: President O. Meredith Wilson.

COMMENCEMENT ADDRESS: Dean Julius M. Nolte.

"Under which king, Bezonian? speak, or die!"
Shakespeare's *King Henry the Fourth, Part II.*

CONFERRING OF ROTC CERTIFICATES: Dean McDiarmid will introduce Major Bills and Major Stockdale, who will present the candidates for commissions in their respective branches of the Armed Services. Certificates of ROTC completion will be presented by President Wilson.

PRESENTATION OF CANDIDATES: Dean McDiarmid will introduce the deans of the several colleges or their representatives who will present the candidates for certificates and degrees to President Wilson. They are, in order of their introduction: Dean Morse, for the General College; Assistant Dean Charnley, for the College of Science, Literature, and the Arts; Associate Dean Edwards, for University College; Associate Dean Verbrugge, for the Institute of Technology; Associate Dean Fenske, for the College of Agriculture, Forestry, and Home Economics of the Institute of Agriculture; Dean Cook, for the College of Education; Professor Wickesberg, for the School of Business Administration; Dean Hager, for the College of Pharmacy; Dean Crawford, for the School of Dentistry; Assistant Dean Cavert, for the College of Medical Sciences; Professor Nelson for the Graduate School.

Order of Events

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

SPEAKING FOR THE UNIVERSITY OF MINNESOTA ALUMNI ASSOCIATION: Professor Edwin L. Haislet.

PRESENTATION OF DIPLOMAS: With Dean Williamson presiding, members of the December graduating class will pass across the stage to receive their diplomas.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Professor Nelson to President Wilson, who will confer the degrees.

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

Minnesota, hail to thee!
Hail to thee, our college dear!
Thy light shall ever be
A beacon bright and clear;
Thy sons and daughters true
Will proclaim thee near and far;
They will guard thy fame
And adore thy name;
Thou shalt be their Northern Star.

Like the stream that bends to sea,
Like the pine that seeks the blue,
Minnesota, still for thee
Thy sons are strong and true;
From thy woods and waters fair,
From thy prairies waving far,
At thy call they throng
With their shout and song,
Hailing thee their Northern Star.

POSTLUDE: Mr. Chorzempa, Organist.

Finale from Symphony No. 1 - - - - - Vierne

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

Candidates for Commissions

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

DEPARTMENT OF MILITARY SCIENCE

Second Lieutenant, Adjutant General Corps

Wendell K. Huddy, Kapaa, Kauai, Hawaii

Second Lieutenant, Armor

Gary M. Laturno, St. Paul

Second Lieutenant, Artillery

Robert A. Kernkamp, Valley City, N.D.

Second Lieutenant, Corps of Engineers

James W. Klein, Appleton, Wis.

John D. Pastor, Jr., Minneapolis

Second Lieutenant, Finance Corps

William B. Hofstad, Minneapolis

Second Lieutenant, Infantry

Thomas J. Towne, Minneapolis

Second Lieutenant, Medical Service Corps

Harvey R. Newquist, Minneapolis

John C. Nicholson, Minneapolis

Second Lieutenant, Ordnance Corps

John W. Noren, Moose Lake

DEPARTMENT OF AIR SCIENCE

Second Lieutenant, USAF Reserve

James S. Hebert, Osseo

Malcolm L. MacDonald, Minneapolis

Paul M. Marschalk, Pierre, S.D.

George H. Orlemann, St. Paul

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close of the fall quarter, 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

Joseph Henry Albrecht, Jr., St. Paul

Michael Joseph Alford, St. Paul

Alfred Eugene Andersen, Tyler

Carl James Anderson, Minneapolis

Michael Hamm Ankeny, Wayzata

David Leslie Anshus, Minneapolis

Bruce Richard Backstrom, Minneapolis

Joseph Bernard Bauer, Hopkins

Laurence Thomas Bauer, Hastings

Daniel Francis Belden, Minneapolis

John Peter Beneke, St. Paul

Duane John Berg, Robbinsdale

Betty Kay Birkeland, Bemidji

Richard August Bjork, St. Paul

Baiba Brunins, Minneapolis

Elizabeth Marie Bull, St. Paul

John R. Buskirk, Minneapolis

David Bruce Buzzelle, Minneapolis

Donald Myron Carlson, Minneapolis

Gary Lynn Carlson, Robbinsdale

David Daniel Carr, St. Paul

Richard Whitaker Caswell, Excelsior

Robert Jeremiah Clark, St. Louis Park

John Elliott Collison, Minneapolis

Verne Edward Comstock, Jr., St. Paul

Richard Warren Connell, Minneapolis

James Robert Czech, Minneapolis

Sharon Hope Danielsen, Minneapolis

Fred Arthur DeGregoire, Minneapolis

Michael Clark Eagen, Minneapolis

Harold Gary Ebert, Minneapolis

Jack Bradley Edwards, Minneapolis

Thomas Michael Edwards, Minneapolis

Judith Macaela Erickson, Rochester

Bruce W. Eriksen, Minneapolis

Theodore Herman Fenske, Jr., St. Paul

Daniel David Fish, Minneapolis

William James Fish, St. Paul

Dorothea Darlene Fodness,
Starkweather, N.D.

David Arnold Gisvold, Minneapolis

Susan Rae Glickman, Minneapolis

Edwin Stanton Gose, Minneapolis

John Patrick Grover, Park Rapids

James Robert Groves, South St. Paul

Harold Carl Hagen, Minneapolis

Charles Dennis Hamer, St. Paul
 Eugene Ellis Hart, Minneapolis
 Mary Jeanne Hassing, Robbinsdale
 Lloyd Bruce Helm, Minneapolis
 Terrance Michael Hendrickson,
 St. Paul
 Ronald Jerome Herzog, St. Louis Park
 Richard Anthony Hoag, St. Paul
 James John Hofstetter, St. Paul
 Jeffrey Joseph Holtmeier, Minneapolis
 Dorothy Wormsbecker Hume, Minne-
 apolis
 Neil Carlin Isakson, Minneapolis
 J. Clifford Johnson, Lakefield
 Leigh Joseph Johnson, St. Paul
 Walter David Johnson, Minneapolis
 William Lee Jorgensen, Minneapolis
 George Robert Karsko, Hopkins
 Flora Ann Kase, Minneapolis
 Robert Lloyd Keller, Chaska
 James Richard Kesler, Edina
 Karyl Colleen Kinney, Hastings
 Robert Alvin Kirschbaum, St. Paul
 Maureen Estelle Kisch, St. Paul
 Michael F. Koelfgen, Minneapolis
 Christ Nick Kontenakos, Minneapolis
 David Harry Krieger, Minneapolis
 Harriet Faith Kriv, Minneapolis
 Averill Mark Kronick, St. Louis Park
 Lewis Allen Lampert, St. Paul
 Charles William Larsen, St. Paul
 Norman Gary Larsen, Minneapolis
 Roger Elwood Ledin, Minneapolis
 Robert Clayton LeFebvre, Minne-
 apolis
 Warren Keith Lerfeld, Minneapolis
 Judith Elaine Lindblom, Minneapolis
 Edward Alfred Lindquist, Jr., St. Paul
 Robert Thomas Lohn, Minneapolis
 Richard Ellsworth Long, Newport
 Barbara Jean Ludden, St. Paul
 John William Lund, Minneapolis
 Richard James Lyons, St. Paul
 Karen Louise Magler, St. Paul
 Sam Joseph Manola, Bellwood, Ill.
 Arnold Edward Margolis, Minneapolis
 Kenneth William Martens, St. Peter
 James Stannard Massie, Jr., Minne-
 apolis
 Alan Edward Mathwig, Bloomington
 Craig Henry Mattice, Minneapolis

James Russell Mc Alpine, South St.
 Paul
 Marsha Lee McCoy, Minneapolis
 Patrick Charles McGraw, Minneapolis
 Mabel Emily McQueen, Wayzata
 Joseph L. Melena, Minneapolis
 Thomas William Meyer, Minneapolis
 John Robert Meyers, Minneapolis
 Donald Dickerson Miller, Jr., Minne-
 apolis
 Gary Alan Mitchell, Minneapolis
 Fredric Thomas Nelson, Minneapolis
 Lee Norman Newcomb, Excelsior
 Thomas Erik Nilsson, Minneapolis
 Maynard Gene Niswander, Bloomington
 Donald Oliver Norin, Minneapolis
 Thomas Tipton Norton, Jr., St. Louis
 Park
 William Charles Odden, Wayzata
 David George Ohlson, Minneapolis
 John Bernard Olson, Minneapolis
 Ratomir Vite Pajic, Minneapolis
 LeRoy William Palmer, Minneapolis
 Wilda Mae Peterson, Minneapolis
 Richard Joseph Pilon, Minneapolis
 James Arthur Poucher, Richfield
 Norman Lewis Riger, Minneapolis
 Theodore Joseph Roemer, Jr.,
 Madison Lake
 Jon Kaare Rosenberg, St. Paul
 James Lionel Rosenblum, Minneapolis
 Grace Lisbeth Rosoff, Minneapolis
 Richard Curtis Rost, Cokato
 Vicki Ann Rubis, Anoka
 Phillip Faustino Rusciano, Minneapo-
 lis
 Charles Gregory Schrantz, St. Paul
 Kenneth Michael Schullo, Minne-
 apolis
 David Lee Schulz, Minneapolis
 Duane Allen Senneseth, St. Paul
 Joseph Paul Slettemark, Minneapolis
 Russell Burton Smith, St. Paul
 Thomas Lawrence Solomon, Minne-
 apolis
 Robert Harold Solomonson, Minne-
 apolis
 Errol Kent Sorenson, Minneapolis
 Judith Dorothy Stahlberg, Columbia
 Heights

Charles Andrew Stendahl, Minneapolis
 Siegfried Stier, Appleton
 Roger Edward Stolson, Minneapolis
 Roger George Stoven, South St. Paul
 Terrance James Sullivan, Minneapolis
 Susan Marie Sundberg, St. Paul
 Bonnie Marie Thomsen, Minneapolis
 Franklin Arthur Tralle, Northfield
 Anthony Joseph Tyskiewicz, Rothschilch, Wis.
 Victoria Valleau, St. Paul

Thomas Jeffrey Vendel, Minneapolis
 Frank Charles Vescio, Minneapolis
 Ralph Herbert Voegtli, Minneapolis
 David William Wall, Jr., St. Paul
 Roy Michael Whitehill, Minneapolis
 Frank Vernon Whitney, Minneapolis
 Dennis Alfred Wolf, St. Paul
 Richard Fremont Young, Minneapolis
 Richard James Zasada, St. Paul
 Lawrence Bruce Zidel, St. Paul
 Judith Linda Zimmerman, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Marvin James Bjornberg, St. Paul
 Gerald Thomas Brown, Minneapolis
 Sandra Barbara Cooperstock, St. Paul
 James Michael Howard, St. Paul
 George Thomas Jensen, St. Paul
 Shirley G. Groff Lambert, Minneapolis

David Edward Larson, Crystal
 Linda Anne Sawicke, Minneapolis
 Clyde Mc Dale Scroggins, Minneapolis
 Georgene Ann Steele, St. Paul
 Paul Warren Swanstrom, St. Paul
 Margaret Geneva Wayne, Goodridge

Bachelor of Arts

Mentor Charles Addicks, Jr., Minneapolis
Neils Hjorth Andersen, Excelsior, CUM LAUDE
 Robert Richard Anderson, Robbinsdale, CUM LAUDE
 Sandra Jean Anderson, Brainerd
David William Bahnemann, West St. Paul, CUM LAUDE
 Zoltan Bandi, Minneapolis
 Robert William Benson, Rochester
 Judith Marie Beske, Stillwater
Karl Erich Bethke, Minneapolis, CUM LAUDE
 Lawrence Bloom, St. Paul
 Edward Edwin Brustman, Jr., A.L.A., St. Paul
 Clifford LeRoy Carlson, St. Paul
 Barbara Stehman Cotton, St. Paul
 Arlene Susan Davis, St. Paul, MAGNA CUM LAUDE

Stephen Irwin Delin, Minneapolis
 David Gerald Koamana Doren, St. Paul
 Ralph E. Ehrenberg, Waconia
 Harry Clark Elliott, Anoka
Philip Arnold Estelle, Stillwater, CUM LAUDE
 Richard Francis Ettel, St. Paul
 Sandra Arlene Faye, Minneapolis
 Bernell Winston Fedje, Coon Rapids
 Sharon Patricia Feldman, Minneapolis
 William Lloyd Felker, Minneapolis
 Janet Catherine Figge, St. Paul
 Mary Ann Fruen, Hatfield
 Orlean Lewellyn Garness, Lanesboro
 Robert Alvin Goodspeed, Chaska
 Roger Earl Guetzkow, Mayer
 Frances Mary Guminga, Minneapolis
 David Charles Hagaman, Rochester
 Judith Lynn Halvorsen, Richfield
 Grant Wayne Hayes, A.A., Bovey

Annamary Agnes Healey, Robbinsdale
Patricia Jean Heller, Minneapolis
James Robert Hennessy, Minneapolis
Duane Everett Hitz, St. Paul, MAGNA
CUM LAUDE

Evelyn Ann Houbolt, Clearwater
Paul Anthony Hribar, B.S., Hibbing
Wendell Kaipō Huddy, Kapaa, Kauai,
Hawaii

Leonard James Hurst, Jr., East Grand
Forks

Jane Iwaskewycz, Minneapolis
Donna Mae Jandl, St. Paul
Kenneth Alvin Johnson, Osseo
Larry Dean Johnson, Minneapolis
Elizabeth Barr Frishberg Joseph, St.
Paul

Marianne Sofie Sundholm Keenan,
Abo, Finland

Robert Allen Kernkamp, Valley City,
N.D.

James Alan Kiewel, St. Louis Park
Paul David Kleinbaum, Minneapolis
Zeno Dennis Leier, Minneapolis
Benjamin George Leighton III, Ex-
celsior

John Cleat Lenker, Owatonna
Klaus Artur Liedtke, Richfield

Georgeanne Jo Lindquist, St. Paul
Susan Jane Linnee, Minneapolis

James Carl Lombardi, St. Paul
Marjorie Ann Malmberg, Lafayette

Mary Ann McLaughlin, Minneapolis
Clayton LeRoy McNearney, Minne-
apolis

Barbara Ann Melamed, Minneapolis
Peter Miller Musser, St. Paul

John Roger Nelson, Minneapolis
Rolf Timothy Nelson, St. Paul, CUM
LAUDE

Earl Edward Niemi, Minneapolis
Judith Ann Novak, St. Paul

Borghild Alma Olson, Spicer
Judy Ann Orr, Verndale, CUM LAUDE

Karol Mae Ostrin, Minneapolis, CUM
LAUDE

Pamela Louise Page, Billings, Mont.
John Dumont Pastor, Jr., Minneapolis
Michael Irving Paul, Minneapolis
Charlotte Jo Pearson, Sisseton, S.D.,
CUM LAUDE

Ernest Frederick Pedersen, Minne-
apolis

Joel A. Peller, St. Louis Park
Jay Craig Peterson, Minneapolis

James Edward Plotnik, Faribault
Richard Lauren Quam, Minneapolis,
CUM LAUDE

Mary Kay Raddant, West Allis, Wis.
Thomas Albert Rand, East Grand
Forks

Gary Lee Rasmussen, Minneapolis
Richard Allen Resch, St. Paul

Phyllis Cantrell Reynolds, Minne-
apolis, MAGNA CUM LAUDE

John Theodore Rueb, St. Paul
Ronald Charles Ruud, Minneapolis

Mohamed Izzat Sabri, Khartoum,
Sudan

Leanne Audrey Schmirler, Minne-
apolis, CUM LAUDE

Raymond Michael Schneider, St. Paul
Ruth Fay Siegfried, Minneapolis, CUM
LAUDE

Karsten Edward Sigstad, Stillwater
John H. Simonitsch, Robbinsdale

Ethel Marie Skluzacek, New Prague
Norman Ross Soland, Minneapolis

Robert Allan Stead, A.L.A., Minne-
apolis

Gordon Louis Stuhr, Minneapolis
Barbara Ann Thompsen, Minneapolis,
CUM LAUDE

Thomas Judson Towne, Edina
Nancy Lee Pogue Trost, St. Paul

Carol Lee Vandersluis, Bemidji
Karen Aileen Walsh, Minneapolis

Darwin Wassink, Edgerton, MAGNA
CUM LAUDE

Warren William Westerberg, St. Paul
Rolfe Samuel Wittmann, Minneapolis

David Albert Young, New Ulm

UNIVERSITY COLLEGE

Bachelor of Arts

Patricia Joan Peterson, A.L.A., G.D.H., Minneapolis

Bachelor of Science

Janet May Helms, Minneapolis

Audrey Mae Runnels, Minneapolis

INSTITUTE OF TECHNOLOGY

Certificate in Science

Donald Hopkins Litterer, Minneapolis

Bachelor of Aeronautical Engineering

David Leo Beste, St. Paul

Gary Roy Larson, St. Paul

Joseph Roy Trepanier, Forest Lake

Andrew Emil Vano, St. Paul

Brian Robert Williams, Minneapolis

Bachelor of Agricultural Engineering

John Anthony Appelget, Shakopee

Bachelor of Architecture

Eldon O. Burow, St. Paul

Thomas J. Chin-Bon, New York, N.Y.

Robert Gregor Currie, Blacksburg, Va.

Leslie Edwin Formell, B.A., Frederic,
Wis.

Marlin Gordon Lord, B.A., Ironton

Donald Knox Melander, B.A., Duluth

Courtney Wayne Nystuen, B.A.,
Northfield

Jack Lloyd Ovick, Virginia

Stephen Robert Peabody, St. Paul

Marvin L. Peterson, Dell Rapids, S.D.

J. Peter Van Dyke, Oshkosh, Wis.

Bachelor of Chemical Engineering

Robert James Coppin, Minneapolis

James Alan Kvikstad, Thief River Falls

Robert William Wiele, Minneapolis

Bachelor of Chemistry

Ronald Ray Hamann, Luverne

Bachelor of Civil Engineering

Paul Martin Bergman, Minneapolis	Eugene Richard Reyno, North Man-
Richard Andrew Elasky, Minneapolis	kato
Ronald Raymond Johnson, Duluth	Malcolm Owen Watson, Minneapolis

Bachelor of Electrical Engineering

James Leslie Nessa, Albert Lea	John Gary Wirt, Minneapolis
--------------------------------	-----------------------------

Bachelor of Mechanical Engineering

Richard Terry Atherton, Minneapolis	<i>Richard William Hoffmann, Minne-</i>
Gerald Adolph Bartels, Hopkins	<i>apolis, WITH DISTINCTION</i>
William Gary Belous, Minneapolis	Gerald Duane Johnson, Forest Lake
William Curtis Carney, Minneapolis	John Edward Johnson, St. Paul
Roger Arnold Eckhoff, Henning	Leslie Michael Nelson, Litchfield
Andrew Anthony Habiger, Jr., Sabin	Jarry Allen Roessler, A.A., Rochester
Robert Dale Hanson, St. Paul	

Bachelor of Physics

John Edward Herian, Mankato	Paul Warren Lommen, Coon Rapids, WITH DISTINCTION
-----------------------------	--

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

Bachelor of Science

Donna Marie Anderson, Hinckley, Home Economics	Myles Alden Engelstad, Fertile, Agriculture
David Duane Benson, St. Paul, Forestry	Floyd Allen Gustavson, Boyd, Agriculture
Dale Francis Bergland, Elkton, Agri- culture	Sandra Ruth Haas, Minneapolis, Home Economics
Delores Doreen Phipps Chance, Winnebago, Home Economics	Paul Herbert Hartmann, Pierz, Forestry
Lucille Bjore Churchill, Pine River, Home Economics	John Patrick Healy, St. Paul, Agriculture

James Scott Hebert, Osseo, Forestry
 Philip King Hunkins, Breckenridge,
 Forestry
 Darryl Lee Jacobson, Spicer, Forestry
 Richard LeRoy Johnson, Minneapolis,
 Forestry
 James Walter Klein, Appleton, Wis.,
 Forestry
 Mavis Karen LaRoche, Stillwater,
 Home Economics
 Mary Margaret Yuzma Leverty, Inter-
 national Falls, Home Economics
 Donald Le Roy Melichar, St. Paul,
 Forestry
 Sandra Lee Murphy, Hopkins, Home
 Economics
 John Francis Nintemann, St. Charles,
 Agriculture
 Eileen Rose Pankow, Rochester,
 Home Economics
 Donald Holter Pederson, St. Paul,
 Forestry
 Leah Mavis Shuberg Peterson, Minne-
 apolis, Home Economics
 Robert Wilhow Pokela, Duluth,
 Forestry

*Charlene Ann Prieve, Minneapolis,
 Home Economics, WITH DISTINCTION*
*Carolyn Marie Rude, Zumbrota,
 Home Economics*
*Jonathon Gregg Sample, Spring Val-
 ley, Agriculture*
Philip Schladweiler, Madison, Forestry
*Jerry James Schotzko, Sleepy Eye,
 Forestry*
*Karen Maxine Sharp, Janesville, Home
 Economics, WITH DISTINCTION*
*Robert Alvin Sutherland, Hayfield,
 Agriculture*
*Mary Ione Ellingson Vestweber,
 Cambridge, Home Economics*
*Richard Edward Volk, St. Paul,
 Forestry, WITH HIGH DISTINCTION*
*James Leroy Whitney, Brainerd,
 Forestry*
*Eric Clarence Woratschka, St. Paul,
 Agriculture*
*Eugene Ernest Wright, Pewaukee,
 Wis., Agriculture*

COLLEGE OF EDUCATION

Bachelor of Science

Joan Elizabeth Anderson, Minneapolis
 Norma Jeanne Olson Anderson,
 Litchfield
*LaVonne Annette Berentson, Maple-
 ton, WITH HIGH DISTINCTION**
 Gertrude Lillian Berndt, B.A., Minne-
 apolis
 Constance Louise Blevins, Minne-
 apolis
 Susan M. Bodien, Cambridge
 Mary Elizabeth Otto Broderick,
 Winsted*
 Diane Judith Burger, St. Louis Park
 Donna Niebuhr Chatfield, Minne-
 apolis
 Grace Elizabeth Clark, Minneapolis

Karen Knutson Denius, Golden Valley
*Margaret Pauline Andrews Benton
 Dwyer, Lakeville*
Julius James Evans, A.A., Rosemount
Donald Percy Fisher, St. Paul
*Marylee Christensen Fithian, Minne-
 apolis, WITH DISTINCTION*
Gloria Carolyn Froelich, St. Paul
F. Kathleen Furlong, Coleraine
*Karen Louise Giere, Minneapolis,
 WITH DISTINCTION*
*Jerry Justin Gilbert, Minneapolis,
 WITH DISTINCTION*
*Mary Ewald Gilbert, Minneapolis,
 WITH HIGH DISTINCTION*
James Phillip Gillach, Aurora

* Nursing Education Curriculum

Joan Toogood Hancock, Minneapolis
 Chester Paul Hapka, Forest Lake
 Sharon Lynne Helweg, Beltrami
 Janet Leone Hendrickson, St. Paul
Carleen Nell Stanway Houghton, St. Paul, WITH DISTINCTION
 Jean Huntington, Minneapolis
 John Henry Jourdan, Northome
 Kendra Joyce Kavanaugh, Minneapolis
 Shashi Rani Krishan, B.A., India
 JoAnn Delrose Kuehn, Minneapolis*
 Adele G. Lack, B.A., Minneapolis
 Gary Milton Laturno, St. Paul
 James Elroy Lillemoe, Minneapolis
 Judith Dianne Lindeen, Minneapolis
 Gerald Ambrose Madigan, B.A., Minneapolis
 Sharon Kay Madison, Minneapolis*
 Constance Marie Mahal, Wabasso
 Myrna Anne Mannila, Esko, WITH DISTINCTION
 Philip Lidstone Martin, B.A., Hopkins
 Nancy Stoos McGonagle, Faribault, WITH DISTINCTION
 Betty Joan McKee, Robbinsdale
 Joan Margaret Kolodji Mehl, Clarissa
 Bruce Leroy Miller, Bloomington, WITH DISTINCTION
 Roberta Graham Bartholdi Miller, White Bear Lake
 Diane Elaine Mogen, Hayfield
 Ruth Bentz Montgomery, Minneapolis, WITH HIGH DISTINCTION
 Geraldine Marie Moquin, St. Paul
 Ronald Dean Mossefin, B.A., Minneapolis
 Carol Evelyn Nelson, Grand Meadow
 Adrienne Marcell Oates, Chisholm
 George Hobbs Orlemann, St. Paul
 Donald Graves Parker, B.A., Minneapolis
 Ethel Mae Peterson, Fosston
 Linda Mae Peterson, Minneapolis
 Melvin Le Roy Peterson, Hewitt
 Gilbert Gene Picken, B.A., Minneapolis
 Linda Kay Rogers, Tracy, WITH DISTINCTION
 Judith Vera Dostal Rolain, A.A., Edina
 Juliet Allein Sauer, Minneapolis
 Irene Schultz, Minneapolis
 John David Schultz, A.A., St. Paul
 David George Seaberg, St. Paul
 Janet L. Anderson Shields, St. Paul, WITH DISTINCTION
 Imogene I. Sorvick, Hopkins
 Janet Marcia Stark, Mound
 Irving Elner Strom, A.A., Tamarack
 JoAnn Katherine Sundberg, R.N., Isanti, WITH DISTINCTION*
 Phyllis Miller Thurnau, Minneapolis, WITH HIGH DISTINCTION
 Dean Edward Tracy, Minneapolis
 Elsie Mae Tutt, St. Paul
 Donald Paul Vanouse, St. Paul, WITH DISTINCTION
 Norman Magne Vinnes, B.A., St. Paul
 Nancy Jo Wallace, St. Louis Park
 William Joseph Walther, A.A., Minneapolis
 Joyce Virginia Wessman, St. Paul
 Gerald Lee Westby, Minneapolis
 Karen Marie Wiehe, Hibbing
 Heather Campbell Wurtele, Minneapolis

Master of Education

Elizabeth Onstad Bridston, B.S., St. Paul
 Ronald Ray Hamann, Luverne
 Laura Katherine Hart, B.S.N., Waupaca, Wis.
 Anne Lassance, B.A., Minneapolis
 Jessie Bewley Parker, B.A., Brookings, S.D.

* Nursing Education Curriculum

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

Bachelor of Science

Carolyn Ann Christensen, Westbrook, Home Economics Education	Carol Janet Skoglund, Barnum, Home Economics Education
Lorna Mae Erickson, Appleton, Home Economics Education	Judith Louise Timm, Minneapolis, Home Economics Education
Joycelyn Ann Frank, Perham, Home Economics Education	Carol Ann Voorhees, Morris, Home Economics Education
Nichele Mary O'Day, St. Paul, Home Economics Education	Sue Ellen Vogelpohl Winslow, New Ulm, Home Economics Education, WITH DISTINCTION
Sharon Kay Pikop, Elbow Lake, Home Economics Education	
Charlotte Dorothea Schwieger, Minne- apolis, Home Economics Education	

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Glenn Leonard Rudell, Minneapolis

Bachelor of Science in Business

Peter Selwyn Arnott, Auckland, New Zealand	Bruce William Erickson, Minneapolis
Bruce Kalman Birnberg, Minneapolis	Michael John Foley, Willmar
Gary Irwin Bisnow, St. Paul, WITH DISTINCTION	Larry Ramon John Glaubitz, Com- stock, Wis.
Max Zoel Blankstein, B.A., Winnipeg, Manitoba, Canada	Norman John Grow, Foley
David Marvin Bond, Jackson	James Albert Gustafson, B.C.E., North St. Paul
John Bernard Brandt, Minneapolis	William Gary Hofstad, Minneapolis
Darrell Everett Christoferson, Minne- apolis	Edward James Hollering, St. Paul
William Allen Crandall III, Minne- apolis	Walter John Houk, St. Paul
Charles Floyd DeVet, St. Paul	William Frank Jennrich, St. Paul
Donald Dean Ekeberg, Blue Earth	John Edward Johnson, St. Paul
Richard Kent Ekse, St. Paul	Wayne Bryce Johnson, St. Paul
Oren Charles Ellingson, Jr., Spring Grove	Dennis Carl Kestner, Downers Grove, Ill.
	Jack Robert Kilby, Minneapolis
	Darryl Clifford Knutson, Minneapolis
	Kenneth Edwin Koehler, Minneapolis

Christopher John Larson, Winthrop
James Allan Lee, St. Paul
Douglas Earle Lysen, Minneapolis
Malcolm Lee MacDonald, Salem, Ore.
Paul Moritz Marschalk, Pierre, S.D.
Glenn Hugh Matchan, St. Louis Park
Charles DeWayne Merta, Minneapolis
Harvey Ray Newquist, Minneapolis
John Cain Nicholson, Minneapolis
John Wayne Noren, Moose Lake
Ronald Gilbert Olson, Minneapolis,
WITH DISTINCTION
James Donald Peterson, Edina

James Kenneth Pfeider, Anoka
Michael James Pierce, Minneapolis
Jerome Leon Potratz, Bertha
Herold Maynard Richters, Marshall,
WITH DISTINCTION
Roy Thomas Rueb, St. Paul
Dale Marlyn Schnarr, Brandt, S.D.,
WITH DISTINCTION
Nelson Robert Sjostrand, Minneapolis
John Whitney Slusser, St. Paul
James Harold Stavsvick, St. Paul
Charles David Wolfe, St. Paul

Bachelor of Science in Economics

June Eleanor Burns, Excelsior
Eugene Donald Momont, Minneapolis

Richard Paul Vollbrecht, A.A., Fergus
Falls

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

Bachelor of Agricultural Business Administration

Rueben Harold Tangren, Lindstrom

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

James Jacob Schmidt, Granite Falls

SCHOOL OF DENTISTRY

Doctor of Dental Surgery

William Knott Solberg, B.A., Alexandria

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science in Nursing Administration

Alma May Uhrhammer, Greenville,
S.C.

Judith Ann Vierling, R.N., Redwood
Falls

Bachelor of Science

Karin Louise Carlson, R.N., Cam-
bridge, Public Health Nursing,
WITH DISTINCTION

Marlene George Helgesen, Minne-
apolis, Medical Technology*

Mary Alice Herron, St. Paul, Public
Health Nursing

Dorothy Jane Vanneman Hutton,
Jefferson City, Mo., Public Health
Nursing

Carol Ann Klessig, Fairmont, Medi-
cal Technology*

DonElla Catherine Novak, Keewatin,
Medical Technology*

Sarah Jane Pratt, Minneapolis, Medi-
cal Technology, WITH HIGH DISTINC-
TION*

Charlotte Maki Sandstrom, Biwabik,
Medical Technology, WITH DISTINC-
TION*

Barbara Jean Schmidt, Darwin, Medi-
cal Technology*

Mary Louise Sogard, Minneapolis,
Medical Technology*

Carol Bertha Ziemer, Duluth, Public
Health Nursing

Doctor of Medicine

Mary C. Howell, B.A., M.A., Ph.D., Minneapolis

* These degrees are conferred subject to the completion of practical work prior to March 23, 1963.

GRADUATE SCHOOL

Master of Arts

Oliver John Agerlie, Richfield

B.S. '54, Stout State College. Field of Concentration: Industrial Education.

Edward Miles Alberg, Hopkins

B.A. '50, Augsburg College. Field of Concentration: Educational Administration.

Anthony Paul Almen, Hopkins

B.A. '52, Gustavus Adolphus College. Field of Concentration: Curriculum and Instruction.

Roger Gilbert Amberson, Minneapolis

B.A. '50, Augsburg College. Field of Concentration: Educational Administration.

Robert Leslie Ames, Wadena

B.A. '58, Morningside College. Field of Concentration: English.

Richard John Anderson, St. Paul

B.S. '51, St. Cloud State College. Field of Concentration: Education.

Earl Raymond Andrews, Superior,
Wis.

B.S. *cum laude* '52, University of Minnesota. Field of Concentration: Industrial Education.

Bennett Adolph Asplund, Minneapolis

B.A. in Educ. '52, Western Washington College of Education. Field of Concentration: Curriculum and Instruction.

Eugene Benjamin Auck, St. Paul

B.A. '55, Hamline University. Field of Concentration: Educational Administration.

Clara Jean Ayers, Velva, N.D.

B.S. *summa cum laude* '58, Minot State Teachers College. Field of Concentration: Mathematics.

Om Parkash Bahl, Feroze Pore
City, India

B.A. '57, Punjab University (India). Field of Concentration: Economics.

Peter Joseph Barden, Minneapolis

B.S. '60, College of St. Thomas. Field of Concentration: Educational Psychology.

Joan Kothlow Bartz, Wayzata

B.S. (Educ.) with honors '54, University of Wisconsin. Field of Concentration: Educational Psychology.

Beverly Jean Beckman, Minneapolis

B.S. with high distinction '58, University of Minnesota. Field of Concentration: Education.

Jean Winter Bemis, St. Paul

B.S. '56, University of Minnesota. Field of Concentration: Educational Psychology.

Gerald William Bieber, St. Paul

B.A. '59, Macalester College. Field of Concentration: Speech and Theater Arts.

Constance Helen Bobbie, Warroad

B.S. *summa cum laude* '56, Bemidji State College. Field of Concentration: Library Science.

Donald L. Boese, St. Paul

B.A. '57, University of Minnesota. Major: History. Minor: Political Science. Thesis: Bluff Versus Reality in the Third Reich, A Study of Hermann Goering, 1933-1939.

Brother Richard Oliver Zimny, Chicago, Ill.

B.S.S. '49, M.A. '58, St. Mary's College (Winona). Major: Geography. Minor: Economics. Thesis: The Definition of an Urban (Metropolitan) Community, with Special Reference to Northwest Chicago.

Lee Vern Brotherton, St. Paul

B.S. in Educ. '55, North Dakota State Normal and Industrial School. Field of Concentration: Curriculum and Instruction.

Glenn Lowell Brudvig, Aneta, N.D.

B.S. (Educ.) '54, M.A. '56, University of North Dakota. Major: Library Science. Minor: History. Thesis: Public Libraries in North Dakota: The Formative Years, 1880-1920.

Daniel Edward Cashman, Minneapolis

B.A. '60, University of Minnesota. Major: Speech and Theater Arts. Minor: English. Thesis: The Serious Comedy of Ionesco.

David Merton Chalberg, Duluth

B.A. '52, Macalester College. Field of Concentration: Education.

Jean Carson Challman, Minneapolis

B.A. '33, Stanford University; M.A. '36, Ohio State University. Major: Library Science. Minor: Journalism. Thesis: Book Reading of Matched Pairs of Delinquent and Non-Delinquent Girls.

Leena Devi Chatterjee, Indore, M.P., India

B.A. '53, M.A. '55, Agra University (India); M.A. '58, Visva-Bharti University (India). Major: Political Science. Minor: History. Thesis: The Concept of Non-Violence in Indian Foreign Policy.

Theodore Tse-Hou Chiao, White Bear Lake

B.A. '56, National Taiwan University. Major: Journalism. Minor: History. Thesis: The Value-Constitutions of the Red Chinese People: A Study of Audience Characteristics in International Communications.

David Don Christenson, Edina

B.S. with honors '54, Winona State College. Field of Concentration: Educational Administration.

Kwang-Wen Chu, Kiangsu, China

B.A. (Econ.) '58, National Taiwan University. Field of Concentration: Economics.

Darrell Royce Cochran, Rochester

B.S. '57, University of Minnesota. Field of Concentration: Physical Education.

Alan Bruce Copperud, Washburn, Wis.

B.S. '55, University of Minnesota. Field of Concentration: Physical Education.

Helener Kane Currier, Paris, Tenn.

B.A. '43, Vanderbilt University; M.A. '45, Northwestern University. Major: Psychology. Minor: Educational Psychology. Thesis: A Study of Grades as Related to Housing and Ability.

Aston Joseph DaCosta, Kingston, Jamaica, West Indies

B.S. '61, A. and T. College of North Carolina. Field of Concentration: Agricultural Education.

Harold Myron Davis, St. Paul

B.S. with distinction '53, University of Minnesota. Field of Concentration: Curriculum and Instruction.

John Charles Dawson, Minneapolis

B.A. '59, College of St. Thomas. Field of Concentration: Political Science.

William Clarence Dixon, Jr., Kinston, N.C.

B.A. '60, East Carolina College. Field of Concentration: Speech and Theater Arts.

Yael Dolev, Jerusalem, Israel

B.A. '59, The Hebrew University of Jerusalem; M.A. '61, University of Minnesota. Field of Concentration: Psychology.

Julian Patrick Doran, Sauk Rapids

B.A. '59, St. John's University. Field of Concentration: History.

Marcel Alphonse Duvivier, Hopkins

B.A. '52, College of St. Thomas. Field of Concentration: French.

Louise Joan Eckhardt, Boyd

B.A. cum laude '60, Concordia College (Moorhead). Field of Concentration: Library Science.

Carl Otto Enderstein, Los Angeles, Calif.

B.A. '60, Marquette University. Major: German. Minor: Philology. Thesis: Heinrich Boll Und Die Probleme Der Nachkriegszeit.

George Robert Erickson, Kanawha, Iowa

B.A. '51, Iowa State Teachers College. Field of Concentration: Physical Education.

Gloria Yvonne Erwin, Stillwater

B.S. '48, North Dakota Agricultural College. Field of Concentration: Curriculum and Instruction.

Elsie Hardy Evans, Hutchinson

B.S. with distinction '42, University of Minnesota. Field of Concentration: Educational Psychology.

James B. Fleming, Edina

B.A. '50, Augustana College. Field of Concentration: Educational Administration.

Marna Jane Foster, Minneapolis

B.S. '55, University of Minnesota. Field of Concentration: American Studies.

Donald Emil Fouts, Ashland, Wis.

B.A. '59, University of Chicago. Major: Political Science. Minor: History. Thesis: Second-Class Citizenship: A Study of the Application of the Bill of Rights to Naturalized Citizens.

Leroy Walter Gardner, St. Paul

B.A. '61, University of Minnesota. Field of Concentration: Area Studies: East Asian.

Randall Earl Genrich, Minneapolis

B.S. '54, Wisconsin State College (River Falls). Field of Concentration: Curriculum and Instruction.

Marilyn Bergman Gregerson, Minneapolis

B.A. cum laude '59, Northwestern College (Minn.). Major: Anthropology. Minor: Sociology. Thesis: Initial Language Learning: A Cross Cultural Study.

Gerald Walfred Gustafson, South St. Paul

B.S. '53, St. Cloud State College. Field of Concentration: Curriculum and Instruction.

(Gustaf) David Guston, St. Paul

B.S. '30, University of New Hampshire. Field of Concentration: Library Science.

John Paul Guzinski, Fairfax

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Jacob Halpern, Duluth

B.A. '59, Brooklyn College. Field of Concentration: Curriculum and Instruction.

Chien-Pai Han, China

B.A. (Econ.) '58, National Taiwan University. Field of Concentration: Statistics.

Andrew Marius Hansen, Jr., Omaha, Neb.

B.A. '51, University of Omaha. Field of Concentration: Library Science.

Jon Otis Heise, Wausau, Wis.

B.S. '59, University of Wisconsin. Field of Concentration: Psychology.

Marilyn Joyce Hoffs, Chicago, Ill.

B.A. '58, Lindenwood College. Field of Concentration: Speech and Theater Arts.

Archie Lee Holmes, Emerson, Ark.

B.S. '50, University of Minnesota. Field of Concentration: Agricultural Education.

Elizabeth Jean Hosterman, Robbinsdale

B.S. with distinction '52, University of Minnesota. Field of Concentration: Educational Psychology.

Dayton Delano Hultgren, Karlstad

B.S. in Educ. '53, Mayville State Teachers College (N.D.). Field of Concentration: Educational Psychology.

Florence Evalyn Iverson, Alexandria

B.S. with high distinction '55, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Doloris Jackus, Pierre, S.D.

B.A. cum laude '51, University of South Dakota. Field of Concentration: Educational Psychology.

Percy Clarendon Johnson, Sisseton, S.D.

B.S. '56, University of Minnesota. Field of Concentration: Educational Psychology.

Ann Franklin Kauls, Minneapolis

B.S. '57, University of Minnesota. Field of Concentration: Educational Psychology.

Bruce Joseph Kittilson, St. Paul

B.A. '55, Macalester College. Field of Concentration: Library Science.

Peter Klassen, Winnipeg, Manitoba, Canada

B.A. '51, University of British Columbia. Field of Concentration: Music.

Georgia Meta Korner, Seattle, Wash.

B.A. cum laude '55, University of Washington. Field of Concentration: Educational Psychology.

Edavalath Churiyai Vasanth Kumari, Quilon, Kerala State, India

B.A. (Hons.) '48, University of Madras; M.A. '58, Banaras Hindu University (India). Field of Concentration: Curriculum and Instruction.

Harold Lester Kurth, Hector

B.A. '56, Luther College. Field of Concentration: Curriculum and Instruction.

Roger Dean Leary, Minneapolis

B.A. '56, Iowa State Teachers College. Field of Concentration: Mathematics.

Michael Alan Levin, Minneapolis

B.A. '56, University of Minnesota. Major: Speech and Theater Arts. Minor: English. Thesis: Some Problems in the Contemporary American Theatre as Viewed Through the Play and Production of *In The Cage*.

Rafael Alexander Lewy, Tel-Aviv,
Israel

B.A. '56, Hebrew University. Field of Concentration: Educational Administration.

Donald J. Lieb, St. Paul

B.S. '57, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Jeanette Frances Weiss Link, Minneapolis

B.S. '52, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Ava Ann Maness, Paris, Tex.

B.S. with distinction '48, University of Minnesota. Field of Concentration: Library Science.

Bruce T. Marchiafava, Minneapolis

B.A. '61, University of Minnesota. Field of Concentration: Speech and Theater Arts.

Philip Lidstone Martin, Hopkins

B.A. '50, Williams College. Field of Concentration: Educational Psychology.

Crispin Chio Maslog, Tagbilaran,
Bohol, Philippines

B. of Lit. in Jour. *magna cum laude* '55, University of Santo Tomas. Field of Concentration: Journalism.

Donald George Matakis, Faribault

B.A. '52, B.S. '59, Mankato State College. Field of Concentration: Educational Administration.

Teresa Helen McGuigan, Mount
Prospect, Ill.

B.S. '57, Moorhead State College. Field of Concentration: Speech and Theater Arts.

Jack Henry Melby, Thief River Falls

B.A. '53, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Albert Milgrom, Minneapolis

B.A. '47, University of Minnesota. Major: Sociology. Minor: English. Thesis: Rural-Urban Differences in the Perception of Rebellion: An Exploratory Study in the Sociology of the Film *A Rebel Without A Cause*.

Dianne Lynn Monson, Minneapolis

B.S. '56, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Gordon Robert Mork, Minneapolis

B.A. *magna cum laude* '60, Yale University. Field of Concentration: History.

David Irving Myers, Dodge Center

B.S. '57, University of Minnesota. Field of Concentration: Educational Administration.

James Arthur Norman, Minneapolis

B.A. *cum laude* '57, Augsburg College. Field of Concentration: Educational Psychology.

Roy William Northcy, Jr., Virginia

B.S. '58, University of Minnesota. Field of Concentration: Industrial Education.

Roberta Sellers Null, Minneapolis

B.S. with honors '56, South Dakota State College. Field of Concentration: Home Economics Education.

Bernard James Olsen, Bloomington

B. of Educ. '29, B.S. '39, St. Cloud State College. Field of Concentration: Industrial Education.

Allan LeRoy Olson, Buxton, N.D.

B.S. '57, North Dakota Agricultural College. Field of Concentration: Economics.

Barbara Kocka Olson, Minneapolis

B.S. in Nsg. *summa cum laude* '47, Hamline University. Field of Concentration: Curriculum and Instruction.

Donald Earl Olson, Minneapolis

B.S. '59, University of Minnesota. Field of Concentration: Educational Psychology.

Lawrence Vernon Olson, Mound

B.S. '51, Bemidji State College. Field of Concentration: Education.

LeRoy Harold Olson, Minneapolis

B.S. '54, University of Minnesota. Field of Concentration: Educational Administration.

Theodore Oksent Ousdigian, St. Paul
B.A. '58, Macalester College. Field of Concentration: Curriculum and Instruction.

Goff Owen, Jr., Birmingham, Ala.
B.Mus. '57, Yale University. Field of Concentration: Music.

Ralph Edward Packard, Jr., Provo, Utah
B.S. with honors '60, Brigham Young University. Field of Concentration: Educational Psychology.

Kerstin Sofia Pedersen, St. Paul
B.A. '59, Vassar College. Major: English. Minor: Composition. Thesis: "The Noblest Frailty of the Mind": Dryden's Heroines and the Passions of the Soul.

Bette Jean Peltola, Minneapolis
B.A. *magna cum laude* '59, B.S. '60, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Gerald LeRoy Prescott, Janesville, Wis.
B.S. '59, University of Minnesota. Field of Concentration: History.

Edward Barry Pritchard, Seattle, Wash.
B.A. '59, University of Washington. Field of Concentration: Speech and Theater Arts.

Dennis Paul Raarup, Washburn, Wis.
B.S. '53, Gustavus Adolphus College. Field of Concentration: Physical Education.

John K. Raymond, Excelsior
B.A. '50, University of Minnesota; B.S. '55, Mankato State College. Field of Concentration: Curriculum and Instruction.

Orlando M. Reyes, Grande, Cuba
B.A. '58, University of South Dakota. Field of Concentration: Spanish.

Gordon Donald Richmond, West St. Paul
B.A. '42, University of Minnesota. Major: Journalism. Minor: Political Science. Thesis: A Study of Minnesota Newspaper Coverage of the Sioux Uprising From August 20 to October 3, 1862.

Jean Weeding Rifley, Edina
B.S. '54, University of Minnesota. Field of Concentration: Curriculum and Instruction.

John August Rolloff, Lake City
B.S. with distinction '55, University of Minnesota. Field of Concentration: Agricultural Education.

Charles William Ruegemer, St. Cloud
B.A. '59, University of Minnesota. Field of Concentration: Area Studies: German.

Mary Ann Ryder, St. Paul
B.S. with distinction '55, University of Minnesota. Field of Concentration: Physical Education.

Belkacem Saadallah, Guemar, Algeria
B.A. '59, Cairo University. Field of Concentration: History.

Kay Carolyn Sarnecki, St. Paul
B.S. with distinction '59, University of Minnesota. Field of Concentration: Educational Psychology.

Henry Alan Schmucker, Minneapolis
B.A. '59, Carleton College. Field of Concentration: Political Science.

William John Schonebaum, Minneapolis
B.A. '58, Augsburg College. Field of Concentration: Music Education.

Dorothy Kay Seymour, Robbinsdale
B.A. '58, University of Minnesota. Field of Concentration: Library Science.

John Edward Shelstad, Kenyon
B.S. '51, North Dakota Agricultural College. Field of Concentration: Agricultural Education.

John Oliver Sletten, Northfield
B.A. *cum laude* '54, St. Olaf College. Field of Concentration: Educational Administration.

Harold Lorenzo Sorknes, Marietta
B.S. '42, University of Minnesota. Field of Concentration: Educational Administration.

George Edward Stevens, Vancouver, Wash.
B.A. '58, Pacific University. Field of Concentration: Journalism.

James Bernard Stoltman, St. Louis
Park

B.A. *cum laude* '57, University of Minnesota. Major: Anthropology. Minor: Geography. Thesis: A Proposed Method for Systematizing the Modal Analysis of Pottery and Its Application to the Laurel Focus.

U Tint Swe, Mandalay, Burma

B.Sc. (Eng.) '55, University of Rangoon. Field of Concentration: Industrial Education.

Rudolph Garnaas Swenson, Walker

B.A. '59, St. Olaf College. Major: Economics. Minor: Political Science. Thesis: A Comparison of the Tax Treatment of Commercial Banks and Savings and Loan Associations.

James David Thueson, Minneapolis

B.A. '60, University of Minnesota. Field of Concentration: Political Science.

Herbert Ray Timm, Olivia

B.S. '54, University of Minnesota. Field of Concentration: Agricultural Education.

James Gregory Trost, St. Paul

B.A. *summa cum laude* '59, College of St. Thomas. Field of Concentration: Psychology.

Gerald Clarence Ubben, Minneapolis

B.S. '57, University of Minnesota. Field of Concentration: Educational Administration.

Lawrence Axel Wallin, Hibbing

B.S. with distinction '54, University of Minnesota. Field of Concentration: History.

Donald Willis Wantock, Winona

B.S. '50, Winona State College. Field of Concentration: Educational Psychology.

Marie Louise Waters, Ellicottville,
N.Y.

B.A. in Educ. '54, Radford College. Field of Concentration: Educational Psychology.

Donald Emmerson Watson, Minneapolis

B.A. '51, York College. Field of Concentration: Physical Education.

Robert Thomas Westland, New
Richland

B.A. '48, St. Olaf College. Field of Concentration: Educational Psychology.

Lenore Annette White, Minneapolis

B.A. *magna cum laude* '57, University of Minnesota. Field of Concentration: Psychology.

Rork Randolph Wigmore, Assiniboia,
Saskatchewan, Canada

B.A. '37, University of Saskatchewan; B. of Ped. with honors '47, University of Toronto. Field of Concentration: Educational Administration.

Madeline Louise Wilkinson, Ottawa,
Ontario, Canada

B.A. '38, University of Toronto. Field of Concentration: Educational Psychology.

David Scofield Wilson, Minneapolis

B.S. with distinction '57, University of Minnesota. Field of Concentration: American Studies.

Michael John Wilwerding, Hopkins

B.A. '60, College of St. Thomas. Field of Concentration: Industrial Relations.

Thomas Yen-Ran Yeh, Jeh-Jiang,
China

B.A. '58, Soochow University. Field of Concentration: International Relations.

Lawrence Eugene Zimmerman, Minneapolis

B.S. '57, St. Cloud State College. Field of Concentration: Educational Psychology.

Master of Arts in Public Administration

Prabhu Datta Sharma, Jaipur, India

B.A. '52, Raj Rishi College; M.A. '54, M.A. '56, Maharaja's College (India). Field of Concentration: Public Administration.

Bhanu Varjeevan Sheth, Hyderabad,
India

B.A. '54, M.A. '56, Osmania University. Field of Concentration: Public Administration.

Master of Business Administration

Tai Shick Kang, Korea

B.A. '57, Seoul National University; B.A. '58, Lincoln University. Field of Concentration: Business Administration.

Robert Joseph Waterfield, Minneapolis

B.S. in Bus. '33, Rutgers University. Field of Concentration: Business Administration.

Master of Fine Arts

John Frederick Kutzik, Chisago City

B.A. *cum laude* '58, University of Minnesota. Major: Art. Minor: Philosophy. Thesis: A Comparative Analysis of Five Abstract Expressionists Between the Period of 1935 and 1945.

Arthur Edwin Landy, Minneapolis

B.S. with distinction '55, University of Minnesota. Major: Art. Minor: Scandinavian. Thesis: The Placement of Sculpture.

Master of Forestry

Richard Leigh Hilliker, Madison, Wis.

B.S. with high distinction '61, University of Minnesota. Field of Concentration: Forestry.

Master of Science

Martin Allen Apple, San Francisco, Calif.

B.A. *magna cum laude* '59, University of Minnesota. Major: Microbiology. Minor: Agricultural Biochemistry. Thesis: A Study of the Effects of L-Arginine and 6-Mercaptopurine on the Inducible Activity of Oligo-, 4-a-Glucosidase.

Mary Louise Lutz Beckett, Norfolk, Va.

B.A. '60, Goucher College. Field of Concentration: Botany.

Cornelia Ann Bevell, St. Paul

B.A. '60, Grinnell College. Field of Concentration: Botany.

Mohammad Ashraf, Lyallpur, West Pakistan

B.Sc. (Agric.) '57, M.Sc. (Agric.) '59, Panjab University (India). Major: Plant Pathology. Minor: Genetics. Thesis: Studies on the Biology of *Cochliobolus Sativus* (Ito and Kurib.) Drechsler Ex Dastur, the Perfect Stage of *Helminthosporium Sativum* P.K. and B.

Kjell Ivar Bjørnsgaard, Oslo, Norway

B. in Law '59, University of Oslo. Field of Concentration: Business Administration.

Finn Kristian Brevig, Prestebakke, Norway

Diploma '56, Agricultural College of Norway. Field of Concentration: Forestry.

Agyeman Atwereboanda, Kumasi, Ghana

B.S. '59, University of California. Major: Soil Science. Minor: Agricultural Biochemistry. Thesis: Investigations of Available Boron Present in Some Soils of East Central Minnesota.

Darwin Gene Britzman, Watertown, S.D.

B.S. (Agric.) '53, South Dakota State College. Major: Poultry Science. Minor: Agricultural Biochemistry. Thesis: Amino Acid Requirements of Laying Hens and Turkey Poults and Utilization of D Isomers.

Paul Loizeaux Canner, Minneapolis
B.A. *summa cum laude* '60, University of Minnesota. Field of Concentration: Biostatistics.

Richard Frederick Carlson, Alhambra, Calif.

B.S. '57, University of Redlands. Major: Physics. Minor: Mathematics. Thesis: Total Proton Reaction Cross Section of Copper at 9 Mev.

Shaw Fai Chang, Taipei, China

B.S. '56, Taiwan College of Engineering. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: The Preparation and Properties of Two Chromophoric Thiol Reagents.

Sun Hwan Chi, Seoul, Korea

B.S. with distinction '60, University of Minnesota. Major: Mechanics and Materials. Minor: Mathematics. Thesis: Material Damping in Cylindrical Specimens Under Combined Axial and Internal Pressure Loading.

Robert Grant Dosch, New Holstein, Wis.

B.S. '60, Wisconsin State College (Oshkosh). Field of Concentration: Analytical Chemistry.

Anne Holiday Edwards, Washington, D.C.

B.A. '60, Grinnell College. Field of Concentration: Botany.

Ahmed Fahmy El-Hadidi, Cairo, Egypt

B.Sc. (Agric.) '58, Cairo University. Major: Plant Pathology. Minor: Agricultural Biochemistry. Thesis: The Effect of Tannic Acid and Other Substances on the Infectivity of Potato Virus X.

Abdel-Tawab Abdel-Aziz El-Yamani, Fayoum, Egypt

B.Sc. (Agric.) '58, Cairo University. Field of Concentration: Agricultural Economics.

Peter Tice Finden, Glenwood

B.S. '60, University of Minnesota. Major: Metallurgy. Minor: Physical Chemistry. Thesis: A Study of Residual Stresses in Shock-Loaded Ingot Steel.

Guy Marcel Formichella, Minneapolis

B.S. '55, City College of New York. Field of Concentration: Mathematics.

James Robert Greaves, Pittsburgh, Pa.

B.S. *summa cum laude* '60, University of Pittsburgh. Major: Physics. Minor: Mathematics. Thesis: Surface Wind Structure Over a City.

Ashok Kumar Gupta, Moradagad, U. P. India

M.A. '58, University of Agra. Field of Concentration: Business Administration.

Gilbert Nikolai Hanson, Minneapolis

B.A. *cum laude* '58, University of Minnesota. Major: Geology. Minor: Physical Chemistry. Thesis: The Contact Metamorphic Effect of the Duluth Gabbro Upon the Rb-Sr Age of the Biotites of the Snowbank Stock.

Grace Margaret Hendel, Caledonia

B.S. '54, College of St. Teresa. Field of Concentration: Home Economics.

John David Hyslop, Fulda

B.A. '55, Macalester College. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Changes in Transportation Costs and Their Effect on Processors of Grain and Oilseeds and on Farm Prices.

Toshiaki Ikeshoji, Tokyo, Japan

B.S. '56, University of Tokyo. Major: Entomology. Minor: Agricultural Biochemistry. Thesis: A Comparison of Lipids in DDT-Resistant and Susceptible House Flies, *Musca Domestica*, L.

James Elver Johnson, Hanley Falls

B.Chem. '61, University of Minnesota. Major: Organic Chemistry. Minor: Pharmaceutical Chemistry. Thesis: The Reactions of Indoles With a, B-Unsaturated Carbonyl Compounds.

Lane Richard Johnson, Pipestone

B.S. with distinction '60, University of Minnesota. Major: Geophysics. Minor: Mathematics. Thesis: Velocity Anisotropy in Rock Drill Cores.

Marlin Oscar Johnson, Crookston

B.S. '57, University of Minnesota. Field of Concentration: Soil Science.

Richard Arnold Johnson, St. Paul

B.E.E. with distinction '60, University of Minnesota. Field of Concentration: Mathematics.

Mary Lee Laird Koskela, Ironwood,
Mich.

B.A. with honors '58, Michigan State University. Field of Concentration: Business Administration.

John Michael Kraft, Tempe, Ariz.

B.S. '60, Arizona State University. Major: Plant Pathology. Minor: Botany. Thesis: Factors Affecting Seed Set and Storage of Flax.

Doris Watford Lister, Greenville,
S.C.

B.S. '61, George Peabody College. Field of Concentration: Public Health.

Mary Leary Loudon, Easton, Pa.

B.A. '57, Gettysburg College. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Biosynthesis of Tropic Acid.

John L. Maginn, Omaha, Neb.

B.S.B.A. '61, Creighton University. Field of Concentration: Business Administration.

Lewis Joseph Oakland, Duluth

B.A. '55, University of Minnesota. Field of Concentration: Physics.

Mandayam Chakravarthy Padma,
Mysore, India

B.Sc. '53, M.Sc. '54, University of Mysore. Major: Veterinary Bacteriology. Minor: Physiological Chemistry. Thesis: The Identification of Species Tissue Extract by Species Specific C¹.

Willis Lester Peterson, Anoka

B.S. with high distinction '60, University of Minnesota. Field of Concentration: Agricultural Economics.

Marion Alan Rogers, Lewisville, Ind.

B.A. '58, Earlham College. Major: Geology. Minor: Geophysics. Thesis: Carbohydrates in Plants and Sediments From Two Minnesota Lakes.

Eugene Eino Saari, Wawina

B.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Soil Science. Thesis: Pathogenicity of *Puccinia Coronata* Auenae on *Avena* Spp.

Rajinder Singh Saini, Ludhiana,
India

B.Sc. (Agric.) '53, Panjab University (India). Major: Entomology. Minor: Plant Pathology. Thesis: The Effects of DDT and Kelthane[®] on Reproduction of Two-Spotted Spider Mite (*Tetranychus Telaruis* L.).

Susan Carol Saltzman, Brooklyn,
N.Y.

B.S. cum laude '60, Brooklyn College. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: Studies in the Benzocyclobutene System.

Paul Gerhard Schmidt III, Granite
Falls

B.A. '57, University of Minnesota. Major: Geology. Minor: Mineral Engineering. Thesis: The Geology of the Jarilla Mountains, Otero County, New Mexico.

Robert Ernest Schorn, Minneapolis

B.S. (Econ.) '60, University of Minnesota. Field of Concentration: Business Administration.

David Bruce Schroeder, South St.
Paul

B.S. '57, University of Minnesota. Major: Plant Pathology. Minor: Forestry. Thesis: Morphology and Wood Destroying Properties of *Asterostroma Cervicolor* (Berk. and Curtis) Massee and *Corticium Radisum* (Fr.) Fr.

Robert Lee Schultz, Pelican Rapids

B.Aero.Eng. '60, University of Minnesota. Major: Mechanics and Materials. Minor: Mathematics. Thesis: Viscoelastic Damping at the Supports of a Partially Built-In Circular Plate.

Josephine Mei-Teh Shen, Woogin,
China

B.S. (Agric.) '58, National Taiwan University. Major: Plant Pathology. Minor: Genetics. Thesis: Studies on the Nuclei of the Wheat Stem Rust Fungus.

Pravin Dhira]lal Sheth, Ahmedabad,
India

B.Arch. '59, University of Baroda. Major: Architecture. Minor: Sociology. Thesis: Detroit Bevel Gear of India Limited.

Sister Danile Keily, Bismarck, N.D.

B.S. in Med. Tech. '50, Creighton University. Major: Medical Technology. Minor: Physiological Chemistry. Thesis: Evaluation of Three Newer Methods for the Determination of Creatinine in Serum.

Sister Paul Louise Anth, St. Louis, Mo.

B.S. *cum laude* '57, Fontbonne College. Major: Home Economics. Minor: Physiological Chemistry. Thesis: Calcium Metabolism: A Study of Urinary Calcium Excretion of College Women Consuming Controlled Diets.

Richard Alan Smith, Ferndale, Mich.

B.Arch. '56, University of Michigan. Major: Architecture. Minor: Art. Thesis: An Expandable Housing System.

Gary Key Stone, New Rockford, N.D.

B.A. '60, Hamline University. Field of Concentration: Business Administration.

Manuel Tan Uy, Philippines

B.S. '60, Massachusetts Institute of Technology. Field of Concentration: Physics.

Myriam Visot, Rio Piedras, Puerto Rico

B.S. with honors '50, University of Puerto Rico. Field of Concentration: Organic Chemistry.

Harold Keith Ward, Fort Victoria, Southern Rhodesia

B.Sc. (Agric.) '53, University of New Zealand. Major: Animal Husbandry. Minor: Genetics. Thesis: Genetic Relationships of Weaning Weight with Post Weaning Growth Rate in Swine.

Verna Rose Woodrich, Minneapolis

B.S. in Prof. Nsg. with distinction '53, University of Minnesota. Field of Concentration: Public Health.

Master of Science in Aeronautical Engineering

Donald James Eckstrom, Butterfield

B.S. with high distinction '61, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: A Generalization of Velocity Distribution in the Wake of Bodies of Revolution.

Carl Lowell Johnson, Harris

B.S. with distinction '60, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Experimental Investigation of Velocity Profile in the Entrance Region of Annular Flow.

Charles Kenneth Knox, Minneapolis

B.S. '61, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: An Experimental Investigation of the Steady Flow of a Viscous Fluid in Circular, Branched Tubes.

Master of Science in Agricultural Engineering

Herbert Melbourne Lapp, Winnipeg, Manitoba, Canada

B.S. in Agric. Eng. '49, University of Saskatchewan. Major: Agricultural Engineering. Minor: Soil Science. Thesis: The Efficiency of a Monomolecular Layer to Reduce Evaporation from Free Water Surfaces at Various Wind Speeds.

Master of Science in Chemical Engineering

Allan Morton Benton, Shawnee Mission, Kan.

B.A. '59, Williams College. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Convection Heat Transfer in Centrifugal Force Fields.

James Carl Eschweiler, Milwaukee, Wis.

B.S. with honors '59, Michigan College of Mining and Technology. Major: Chemical Engineering. Minor: Mathematics. Thesis: Effect of High System Acceleration on Nucleate Boiling.

Cheng Ven Shih, China

B.S. '45, National Central University (China); M.S. '55, University of Minnesota. Major: Chemical Engineering. Minor: Mathematics. Thesis: A Study of Cascade Control System.

Master of Science in Civil Engineering

Sutthichai Kraikunasai, Subhamburi, Thailand

B.S.C.E. '59, Chulalongkorn University. Field of Concentration: Civil Engineering.

Frank Roland Schiebe, Osseo

B.E.E. '57, University of Minnesota. Major: Civil Engineering. Minor: Electrical Engineering. Thesis: The Influence of Entrained Gas Nuclei on the Cavitation Noise Spectrum Measured on a Test Body in a Water Tunnel.

Phaisal Vadhanasindhu, Chachoengsao, Thailand

B.S.C.E. '58, M.S.C.E. '60, Chulalongkorn University. Field of Concentration: Civil Engineering.

Master of Science in Dentistry

Elliott Archibald Smart, Murphy's, Calif.

B.A. '50, University of California; D.D.S. '54, College of Physicians and Surgeons. Major: Dentistry. Minor: Pathology. Thesis: The Histology of Dentigerous Cysts and the Follicles of Unerupted Teeth.

Master of Science in Dermatology

John Douglas McGrae, Jr., Chicago, Ill.

B.S. '52, M.D. '56, University of Michigan. Major: Dermatology. Minor: Pathology. Thesis: A Method for the Testing of Skin with Light and a Review of the Clinical Syndromes to Which It Is Applicable.

Master of Science in Electrical Engineering

Henry Marie Courbon, Ville
Franche, France

Diploma '61, National College of Electrical Engineering and Hydraulics (France). Major: Electrical Engineering. Minor: Mathematics. Thesis: Optimization of the Compensation of a Saturable Device.

Philip Durand Gunderson, Minne-
apolis

B.S. with distinction '60, University of Min-
nesota. Major: Electrical Engineering. Minor:
Mathematics. Thesis: Microwave Measurement
of Complex Conductivity in Semiconductors
from the Reflection of Guided Waves.

Douglas Eugene Lood, St. Paul

B.S. with distinction '61, University of Minne-
sota. Major: Electrical Engineering. Minor:
Mathematics. Thesis: Hot Electron Emission
from Superconductors.

Clayton Bernard Murray, Hibbing

B.S. with distinction '60, University of Minne-
sota. Major: Electrical Engineering. Minor:
Mathematics. Thesis: Beam and Multiplier
Noise in the Image Orthicon.

Gerald Francis Sauter, Minneapolis

B.S. with high distinction '60, University of
Minnesota. Major: Electrical Engineering.
Minor: Mathematics. Thesis: Study of Meta-
stable Excited Atoms in Disintegrating Gaseous
Plasmas.

Jack Richard Williams, Minneapolis

B.A. '47, B.S. with distinction '61, University
of Minnesota. Major: Electrical Engineering.
Minor: Mathematics. Thesis: A Wide-Band,
Cascade Synthesis of an Arbitrary Distributed,
Reactive Two-Port.

Master of Science in Industrial Engineering

Apostolos Emmanuel Kavounas,
Salonika, Greece

B.S.E.E. '55, Columbia University. Field of
Concentration: Industrial Engineering.

Master of Science in Mechanical Engineering

Ignacio Callanta Gil, Cebu City,
Philippines

B.S. Mech. Eng. cum laude '58, University of
the Philippines. Field of Concentration: Me-
chanical Engineering.

Roger Norman Schmidt, Hopkins

B.S. with distinction '56, University of Minne-
sota. Major: Mechanical Engineering. Minor:
Mathematics. Thesis: An Experimental Investi-
gation of Local Convective Heat Transfer for
Air Flow Within a Uniformly Packed Bed of
Spherical Particles.

Clifford James Shirliffe, Winnipeg,
Manitoba, Canada

B.S. in Eng. '59, University of Manitoba.
Major: Mechanical Engineering. Minor: Math-
ematics. Thesis: Effects of Transverse Curva-
ture on Low-Speed, Turbulent Boundary-Layer
Flow Along Circular Cylinders.

Leon David Strand, Minneapolis

B.S. with distinction '60, University of Minne-
sota. Field of Concentration: Mechanical Engi-
neering.

Robert Elmer Sundell, Dassel

B.S. with distinction '60, University of Minne-
sota. Field of Concentration: Mechanical Engi-
neering.

Ji-Wu Yang, China

B.S. in Eng. '57, National Taiwan University.
Major: Mechanical Engineering. Minor: Math-
ematics. Thesis: The Principle of Correspond-
ing States and the Transport Properties of
Dilute Gases.

Master of Science in Medicine

Morton Irving Brookler, Winnipeg,
Manitoba, Canada

B.A. '54, M.D. '58, University of Manitoba.
Major: Medicine. Minor: Pathology. Thesis:
Mycotic Infections of the Adrenal Glands.

William Louis Bunting, Phoenix,
Ariz.

M.D. '55, Northwestern University. Major:
Medicine. Minor: Anatomy. Thesis: A Study
of the Behavior and Life Span of the Rat
Lymphocyte.

Joseph Huntimer Eusterman, Roch-
ester

B.A. '52, B.S. '54, M.D. '57, University of
Minnesota. Major: Medicine. Minor: Pathol-
ogy. Thesis: A Pathologic-Radiologic Correla-
tive Study of Atherosclerotic Coronary Artery
Disease.

Emilio R. Giuliani, Williamsport,
Pa.

M.D. '53, Georgetown University. Major:
Medicine. Minor: Anatomy. Thesis: Anemia of
Nontropical Sprue and Chronic Ulcerative
Colitis Studied with Radioiron and Radio-
chromium.

Stuart B. Hoffman, St. Paul

B.A. cum laude '54, B.S. '56, M.D. '58, Uni-
versity of Minnesota. Major: Medicine. Minor:
Anatomy. Thesis: An Evaluation of the Rate
of Cellular Autolysis in Postmortem Bone
Marrow.

Patrick Joseph McCormick, Madison,
Wis.

B.S. '55, M.D. '58, University of Wisconsin.
Major: Medicine. Minor: Pathology. Thesis:
Rupture of the Ventricular Septum Following
Myocardial Infarction: A Clinicopathologic
Study.

Stewart Lewis Nunn, Rochester

M.D. '53, University of Tennessee. Major:
Medicine. Minor: Physiology. Thesis: Choles-
terol Biosynthesis in Humans.

Richard Earl Sedlack, Chicago, Ill.

B.S. '51, M.D. '56, Northwestern University.
Major: Medicine. Minor: Physiology. Thesis:
The Metabolism of Serum Albumin in Se-
lected Disorders of the Gastrointestinal Tract.

William Laurence Treacy, Milwau-
kee, Wis.

B.S. '53, M.D. '57, Marquette University.
Major: Medicine. Minor: Pathology. Thesis:
Scleroderma of the Gastrointestinal Tract—A
Clinical-Pathological Study.

Master of Science in Mineral Engineering

Hassan Fahmy El-Sayed Imam, Cairo,
Egypt

B.Min.Eng. '58, Cairo University. Field of
Concentration: Mineral Engineering.

Master of Science in Ophthalmology

Russell Leon Edwin, Great Falls,
Mont.

B.S. '50, M.D. '54, McGill University. Major:
Ophthalmology. Minor: Pathology. Thesis:
Protein Distribution in Lacrimal Fluid.

Master of Science in Orthopedic Surgery

Spencer Andrews Rowland, San Antonio, Tex.

B.A. '49, Lafayette College; M.D. '54, Temple University. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Primary Bone Tumors in Children.

Master of Science in Pathology

Norman LeRoy Cadman, Ormsby

B.A. '49, St. Olaf College; M.D. '53, University of Chicago. Major: Pathology. Minor: Anatomy. Thesis: Synovial Cell Sarcoma: A Clinicopathologic Study.

Eugene Henry Ruffolo, Rochester

M.D. '49, Georgetown University. Major: Pathology. Minor: Anatomy. Thesis: The Concentration of Gonadotropins in Saline Fractions of Anterior Hypophyses of Patients of Various Ages and Sexes.

Master of Science in Pediatrics

Robert Bernard Nolan, Jamestown, N.D.

M.D. '55, Creighton University. Major: Pediatrics. Minor: Physiology. Thesis: The Effects of Progestational Steroids on the Sexual Development of the Fetal Rat.

Master of Science in Surgery

P. Kent Cullen, Jr., Indianapolis, Ind.

M.D. '56, University of Indiana. Major: Surgery. Minor: Pathology. Thesis: A Clinicopathologic Study of Cystadenocarcinomas of the Pancreas.

Richard Keydel Meinke, East Lansing, Mich.

B.S. '47, M.D. '51, University of Michigan. Major: Surgery. Minor: Pathology. Thesis: A Study of Unsuspected Pulmonary Infarction Treated Surgically.

Maung Maung Than, Rangoon, Burma

M.B.B.S. '41, University of Rangoon. Major: Surgery. Minor: Pathology. Thesis: Studies on Homologous Skin Transplantation in Dogs.

Eugene Carl Weinstein, Rochester

M.D. '56, University of Illinois. Major: Surgery. Minor: Pathology. Thesis: Neoplasms of Meckel's Diverticulum: A Clinicopathologic Study.

Doctor of Philosophy

Charles DeWitt Adams, Ames, Iowa

B.A. '58, Grinnell College. Major: Organic Chemistry. Minor: Agricultural Biochemistry. Thesis: An Investigation in the Pyridone and Indone Series and Some New Pyridinium-Betaines Derived from Malonic Ester and Picolinic Acid. Major Adviser: Prof. C. F. Koelsch.

Mary Adams, Chicago, Ill.

B.A. *cum laude* '46, State University of South Dakota; B.S. '49, Johns Hopkins University; M.A. '52, Columbia University. Major: Sociology. Minor: Education. Thesis: Functionalism versus Social Behaviorism in the Current Sociology of Illness: A Test of the Empirical Adequacy of Theory. Major Adviser: Prof. Don Martindale.

Balwant Singh Ahluwalia, New Delhi, India

B.V.Sc. and A.H. '55, U. P. College of Veterinary Science and Animal Husbandry (India); M.S. '59, University of Minnesota. Major: Dairy Husbandry. Minor: Veterinary Physiology and Pharmacology. Thesis: Some Biochemical Aspects of Fowl Semen. Major Adviser: Prof. E. F. Graham.

Ernest Eino Banttari, Hibbing

B.S. with distinction '54, M.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Forestry. Thesis: The Effect of Inoculum Concentration, Nutritive Substances and Host Response on Spring Black Stem of Alfalfa. Major Adviser: Prof. R. D. Wilcoxson.

Thomas Clifford Barrett, Anoka

B.S. with distinction '54, M.A. '59, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: The Relationship Between Selected Reading Readiness Measures of Visual Discrimination and First Grade Reading Achievement. Major Adviser: Prof. T. W. Clymer.

Carlton Eugene Beck, Portsmouth, Ohio

B.S. in Ed. '52, M.Ed. '54, Ohio University. Major: Education. Minor: Educational Psychology. Thesis: Guidance: Its Philosophical Presuppositions. Major Adviser: Prof. R. H. Beck.

Frank Thomas Benson, Jr., St. Paul

B.S. with honors '49, M.S. '52, University of Utah. Major: Speech and Theater Arts. Minor: Philosophy. Thesis: A Comparative Analysis of George Campbell's *Philosophy of Rhetoric*. Major Adviser: Prof. D. K. Smith.

Richard Clarence Birkebak, St. Paul

B.S. with distinction '55, M.S.M.E. '56, University of Minnesota. Major: Mechanical Engineering. Minor: Physics. Thesis: Monochromatic Directional Distribution of Reflected Thermal Radiation from Roughened Surfaces. Major Adviser: Prof. E. R. G. Eckert.

Kay Winger Blair, Falcon Heights

B.A. *cum laude* '45, St. Olaf College; M.S. '48, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: Periodic Solutions of a Perturbed Autonomous System. Major Adviser: Prof. W. S. Loud.

George Paul Blum, Minneapolis

B.A. *summa cum laude* '56, Hamline University; M.A. '58, University of Minnesota. Major: History. Minor: Political Science. Thesis: German Social Democracy in the Reichstag, 1890-1914. Major Adviser: Prof. H. C. Deutsch.

Harry Joseph Boll, St. Bonifacius

B.S. with high distinction '56, M.S.E.E. '58, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: The Study of Charge Trapping Centers in MgO Thin Films. Major Adviser: Prof. W. T. Peria.

Bruce Alfred Bydal, Mount Prospect, Ill.

B.S. '59, University of Illinois. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Inductively Heated, High Temperature Reactor. Major Adviser: Prof. W. E. Ranz.

Donald Arthur Campbell, Duluth

B.S. with distinction '55, M.S.E.E. '58, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Long Pulse Performance of Oxide Coated Cathodes. Major Adviser: Prof. W. G. Shepherd.

Robert George Daniel, St. Cloud

B.S. '58, M.S. '60, University of Minnesota. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: The Interaction of S-(1,2-Dichlorovinyl)-L-Cysteine with Cellular Components of *E.Coli* B. Major Adviser: Prof. M. O. Schultze.

Almut E. Dettmers, Oldenburg, Germany

Diploma '43, State University of Posen (Germany); M.S. '55, University of Minnesota. Major: Animal Husbandry. Minor: Dairy Husbandry. Thesis: Selection for Small Size in Swine. Major Adviser: Prof. R. E. Comstock.

Kendell A. Dickinson, Blaine Village

B.A. '54, M.S. '59, University of Minnesota. Major: Geology. Minors: Geophysics and Zoology. Thesis: The Upper Jurassic Stratigraphy of Mississippi and Southwestern Alabama. Major Adviser: Prof. F. M. Swain.

Philip Floyd Dickson, Huron, S.D.

B.S.Ch.Eng. with honors '58, South Dakota School of Mines and Technology. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Large Gradient Mass Transfer. Major Adviser: Prof. W. E. Ranz.

Norbert Arthur Dorow, Fargo, N.D.

B.S. in A.H. '48, Iowa State College; M.S. '57, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: Economics of Forage Handling Systems. Major Adviser: Prof. S. A. Engene.

Robert Dykstra, Waldo, Wis.

B.S. with high distinction '57, Wisconsin State College (River Falls); M.A. '59, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: The Relationship Between Selected Reading Readiness Measures of Auditory Discrimination and Reading Achievement at the End of First Grade. Major Adviser: Prof. T. W. Clymer.

Duane Edward Erickson, Fergus Falls

B.S. '53, North Dakota Agricultural College; M.S. '59, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of the Feeder Cattle Enterprise. Major Adviser: Prof. T. R. Nodland.

Mary Louise J. Farnham, Cocoa Beach, Fla.

B.A. *cum laude* '58, University of Minnesota. Major: Psychology. Minor: Child Psychology. Thesis: Genetic and Experiential Determinants of Adaptation in the Mouse. Major Advisers: Profs. Gardner Lindzey and R. D. Wirt.

Richard Earl Faw, Cincinnati, Ohio

Ch.Eng. '59, University of Cincinnati. Major: Chemical Engineering. Minor: Physics. Thesis: Radiation Induced Chlorination of Benzene. Major Adviser: Prof. H. S. Isbin.

William Thomas Fike, Jr., East McKeesport, Pa.

B.S. '52, M.S. '56, Pennsylvania State University. Major: Agronomy. Minor: Botany. Thesis: Factors Affecting Forage Crop Establishment in Corn. Major Adviser: Prof. A. R. Schmid.

Peter Arthur Fillmore, Halifax, Nova Scotia, Canada

B.Sc. '57, Dalhousie University; M.A. '60, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: The Application of Cardinal Algebras to the Dimension Theory of Operator Algebras. Major Adviser: Prof. Bjarni Jonsson.

Irwin J. Fox, Trenton, N.J.

B.A. '47, Princeton University; M.D. '51, New York University. Major: Physiology. Minor: Medicine. Thesis: Studies on Indicator-Dilution Curves: Instrumentation and Indicators. Major Advisers: Drs. M. B. Visscher and E. H. Wood.

William Garland, Tyler, Tex.

B.A. '53, University of Texas. Major: Anthropology. Minor: Philosophy. Thesis: The Nature and Determinants of the Political Community: An Inquiry Into the Concepts and Hypotheses of Political Anthropology. Major Adviser: Prof. E. A. Hoebel.

David Lawrence Gerwitz, Buffalo, N.Y.

B.S. with honors '58, Michigan State University; M.S. '61, University of Minnesota. Major: Plant Pathology. Minor: Agricultural Biochemistry. Thesis: Some Physiological Changes in Bean Due to Infection by *Uromyces Phaseoli Typica*. Major Adviser: Prof. M. F. Kernkamp.

Richard John Goodman, Milton, N.D.

B.S. '53, M.S. '58, North Dakota Agricultural College. Major: Agricultural Economics. Minor: Economics. Thesis: Organization, Structure and Competitive Behavior of the Twin Cities Milk Market—Producer to Distributor Level. Major Adviser: Prof. E. F. Koller.

Karl Leonard Hakmiller, Berkeley,
Calif.

B.A. with honors '58, University of California. Major: Psychology. Minor: Anthropology. Thesis: Social Comparison Processes Under Differential Conditions of Ego-Threat. Major Adviser: Prof. Benjamin Willerman.

Viggo Peter Hansen, Minneapolis

B.A. '52, B.S. '58, M.A. '60, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: Elementary Algebra Achievement as Related to Class Length and Teaching Method. Major Adviser: Prof. D. A. Johnson.

Melvyn B. Helstien, Los Angeles,
Calif.

B.A. '47, University of Washington; M.F.A. '48, Yale University. Major: Speech and Theater Arts. Minors: Art and Scandinavian. Thesis: A Preliminary Investigation of Some Aspects of the Environment for Children's Theater. Major Adviser: Prof. K. L. Graham.

William Weldon Henderson, Seattle,
Wash.

B.S. '59, University of Washington. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: An Investigation of Some Reactions of Anthracene Derivatives. Major Adviser: Prof. S. W. Fenton.

Donald David Horward, Pittsburgh,
Pa.

B.A. '55, Waynesburg College; M.A. '56, Ohio State University. Major: History. Minor: Political Science. Thesis: The French Invasion of Portugal, 1810-1811. Major Adviser: Prof. H. C. Deutsch.

Robert John Isaacson, Minneapolis

B.S. '54, D.D.S. '56, M.S. in Dent. '61, University of Minnesota. Major: Anatomy. Minor: Dentistry. Thesis: An Investigation of Some of the Factors Involved in the Closure of the Secondary Palate. Major Adviser: Dr. Arnold Lazarow.

Tung Hon Jeong, Canton, China

B.S. '57, Yale University. Major: Physics. Minors: Mathematics and Education. Thesis: Proton-Argon Elastic Scattering at 9.8 Mev. Major Adviser: Prof. J. H. Williams.

Edward Victor Jezak, Avon, Mass.

B.A. *cum laude* '57, Harvard University. Major: Physics. Minor: Mathematics. Thesis: Ground State of the Triton. Major Adviser: Prof. W. B. Cheston.

Thomas Albert Johnson, Milwaukee,
Wis.

B.S. '59, Lawrence College. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Reaction of *trans*-1-Amino-2-butene-4-C¹⁴ with Nitrous Acid and the Abnormal Claisen Rearrangement of 1-(4-Carboxyphenoxy)-2-butene-4-C¹⁴. Major Adviser: Prof. W. M. Lauer.

Johannes Jørgensen, Copenhagen,
Denmark

B.S. '53, Lic. Agro. '59, Royal Veterinary and Agriculture College (Denmark). Major: Plant Pathology. Minor: Genetics. Thesis: Intra- and Interspecific Matings of Barley Smut Fungi. Major Adviser: Prof. M. F. Kemkamp.

Kenneth John Kasha, Lacombe, Al-
berta, Canada

B.Sc. '57, M.Sc. '58, University of Alberta. Major: Genetics. Minor: Agricultural Biochemistry. Thesis: Intercrosses Among Stocks of Chromosomal Interchanges Involving the Same Two Chromosomes in Barley. Major Adviser: Prof. C. R. Burnham.

Ernest Katin, Minneapolis

B.A. '52, M.A. '54, LL.B. '58, University of Minnesota. Major: Political Science. Minor: History. Thesis: The Legal Status of the Continental Shelf as Determined by the Conventions Adopted at the 1958 United Nations Conference on the Law of the Sea: An Analytical Study of an Instance of International Law Making. Major Adviser: Prof. C. H. McLaughlin.

Donald Howard Keats, Yellow
Springs, Ohio

B.Mus. '49, Yale University; M.A. '51, Columbia University. Major: Music. Minor: Philosophy. Thesis: An Elegiac Symphony. Major Adviser: Prof. P. M. Oberg.

Leon Morris Keer, Los Angeles, Calif.

B.S. in Eng. with honors '56, M.S. in Mech. Eng. '58, California Institute of Technology. Major: Mechanics and Materials. Minor: Mathematics. Thesis: The Contact Stress Problem for Elastically Identical Spheres. Major Adviser: Prof. L. E. Goodman.

Willard Everett Kehrberg, Minneapolis

B.A. '40, Northwestern University; M.A. '58, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Religious Value, Set and Verbal Reinforcement in Directed Word Association. Major Adviser: Prof. H. P. Longstaff.

William Cheatom Kelso, Jr., Memphis, Tenn.

B.S.(Agric.) '49, Louisiana State University and A. and M. College; M.F. '51, Yale University. Major: Forestry. Minor: Plant Pathology. Thesis: The Effect of Air Blockage Upon the Permeability of Wood to Liquids. Major Adviser: Prof. R. L. Hossfeld.

Charles Francis Kielkopf, St. Paul

B.A. *summa cum laude* '58, M.A. '60, University of Minnesota. Major: Philosophy. Minor: Mathematics. Thesis: An Examination of Ludwig Wittgenstein's Remarks on the Foundations of Mathematics. Major Adviser: Prof. May Brodbeck.

William Moreland King, Minneapolis

B.S. '51, College of St. Thomas. Major: Pharmacology. Minor: Pathology. Thesis: Contributions to the Pharmacology and Pathology of Levarterenol and Related Compounds. Major Adviser: Dr. R. N. Bieter.

Jerold Howard Klaimon, Minneapolis

B.S.(Aero.Eng.) with honors '55, University of Colorado; M.S. in Aero.Eng. '57, University of Southern California. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Some Effects of the Motion of Electrically Conducting Fluids and Bodies in the Presence of a Magnetic Field. Major Advisers: Profs. C. C. Chang and W. C. Meecham.

Philip Klubes, Bayside, N.Y.

B.S. '56, Queens College; M.S. '59, University of Minnesota. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Synthesis of S-(1,2-dichlorovinyl)-D-Cysteine-3-C¹⁴ and S-(1,2-dichlorovinyl)-L-Cysteine-3-C¹⁴ and Their Uses with *E.Coli* B. Major Adviser: Prof. M. O. Schultze.

James Henry Koplin, Detroit Lakes

B.A. *cum laude* '55, M.A. '59, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Mediated Generalization in a Mixed Verbal Learning Paradigm. Major Adviser: Prof. J. J. Jenkins.

Sally Thane Koplin, Nashville, Tenn.

B.A. *cum laude* '58, University of Minnesota. Major: Psychology. Minor: Philosophy. Thesis: Amount and Distribution of Training as Factors in Performance Following Incentive Shift. Major Adviser: Prof. W. A. Russell.

Abraham Kenneth Korman, Brooklyn, N.Y.

B.A. '56, Brooklyn College; M.A. '58, University of Illinois. Major: Psychology. Minor: Educational Psychology. Thesis: Some Comparative Analyses of the Dimensions of Job Satisfaction. Major Adviser: Prof. H. P. Longstaff.

John Leo Kroening, Minneapolis

B.S. '56, M.S. '59, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Two Atmospheric Constituents: Ozone and Small Ions. Major Adviser: Prof. E. P. Ney.

Eugene James Kuhajek, Cicero, Ill.

B.S. in N.S. '55, Loyola University (Chicago). Major: Inorganic Chemistry. Minor: Organic Chemistry. Thesis: Optical Rotation of Zinc-Phenanthroline Complexes with Resolving Agents: The Pfeiffer Effect. Major Adviser: Prof. R. C. Brasted.

Harvey Albert Larson, Bozeman, Mont.

B.S. '48, M.A. '52, University of Minnesota. Major: Education. Minor: Educational Administration. Thesis: An Evaluation of Laboratory Teaching Methods for a Beginning College Course in Principles of Accounting. Major Adviser: Prof. R. G. Price.

Eugene Allen LeFebvre, White Bear Lake

B.S. with distinction '52, M.S. '58, University of Minnesota. Major: Zoology. Minor: Botany. Thesis: Energy Metabolism in the Pigeon (*Columba livia*) at Rest and in Flight. Major Adviser: Prof. D. W. Warner.

Richard Jean Legare, Central Falls, R.I.

B.S. *cum laude* '56, Providence College; M.S. '60, University of Minnesota. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: A Study of Three Fast Reactions Using the Temperature-Jump Relaxation Technique with Polarimetric and Spectrophotometric Recording. Major Adviser: Prof. R. W. Lumry.

Roland Francis Line, Cromwell

B.S. with distinction '56, M.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Genetics. Thesis: Factors Affecting the Germination of Spores of Puccinia Graminis. Major Adviser: Prof. M. F. Kernkamp.

Shih-fang Lo, China

B.S. in Eng. '54, National Taiwan University; M.S.E.E. '58, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Noise in Tunnel Diode Mixers. Major Adviser: Prof. Aldert van der Ziel.

**Robert Charles Lucas, Sioux Falls,
S.D.**

B.S. with high distinction '57, M.A. '59, University of Minnesota. Major: Geography. Minor: Agricultural Economics. Thesis: The Quetico-Superior Area: Recreational Use in Relation to Capacity. Major Adviser: Prof. J. R. Borchert.

Duane Richard Lund, Staples

B.A. *cum laude* '47, Macalester College; M.A. '50, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: A Study of Counselor, Principal, and Teacher Perception of the Role of the Secondary School Counselor. Major Advisers: Profs. W. E. Dugan and C. P. Hooker.

**Richard William Lutey, Ironwood,
Mich.**

B.S. '57, Michigan State University; M.S. '59, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: Studies on the Microflora of Barley Kernels. Major Adviser: Prof. C. M. Christensen.

Eldon Harold Madison, Minneapolis

B.S. '47, M.S. '54, University of Minnesota. Major: Education. Minor: Agricultural Economics. Thesis: The Effectiveness of Visual Aids in Presenting an Analysis of Selected Farm Management Factors. Major Adviser: Prof. M. J. Peterson.

**Robert Gordon McConnell, Lady-
smith, Wis.**

B.S. '52, North Dakota Agricultural College. Major: Pharmacology. Minor: Microbiology. Thesis: Some Aspects of the Treatment of Experimentally-Induced Salicylate Poisoning in the Dog. Major Adviser: Dr. H. N. Wright.

**Daniel Little McFadden, Salisbury,
N.C.**

B.S. with high distinction '57, University of Minnesota. Major: Economics. Minor: Mathematics. Thesis: Factor Substitution in the Economic Analysis of Production. Major Adviser: Prof. Leonid Hurwicz.

George J. Meisters, Milwaukee, Wis.

B.S. '58, University of Wisconsin. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: Reactions of Indole Dimers and Trimers. Major Adviser: Prof. W. E. Noland.

Harold Allen Miller, Minneapolis

B.A. '55, Northwestern College; M.A. '57, University of Minnesota. Major: Speech and Theater Arts. Minor: Education. Thesis: A Comparison of the Forms of Support Used in Contemporary American Protestant Pulpit Address with the Forms of Support Used in Other Contemporary American Public Address: A Content Analysis. Major Adviser: Prof. W. S. Howell.

David Montgomery, St. Paul

B.A. with honors '50, Swarthmore College; M.A. '60, University of Minnesota. Major: History. Minor: Political Science. Thesis: Labor and the Radical Republicans: A Study of the Revival of the American Labor Movement 1864-1868. Major Adviser: Prof. D. W. Noble.

**David Louis Mumford, Mt. Pleasant,
Utah**

B.S. '56, M.S. '58, Brigham Young University. Major: Plant Pathology. Minor: Botany. Thesis: Studies on the Identification and Nature of Resistance in Barley to Spot Blotch Caused by *Helminthosporium Sativum*. Major Adviser: Prof. M. F. Kernkamp.

**Leonard Doyal Nelson, Edmonton,
Alberta, Canada**

B.Ed. '47, M.Ed. '49, University of Alberta. Major: Education. Minor: Educational Psychology. Thesis: Relation of Textbook Difficulty to Mathematics Achievement in Junior High School. Major Adviser: Prof. D. A. Johnson.

Richard Lima Norgaard, Austin, Tex.

B.A. '52, M.B.A. '58, University of Minnesota. Major: Business Administration. Minor: Economics. Thesis: Reciprocals: A Study of the Evolution of an Insurance Institution. Major Adviser: Prof. H. W. Stevenson.

Alden Conrad Olson, East Lansing,
Mich.

B.B.A. with distinction '49, M.A. '51, University of Minnesota. Major: Business Administration. Minor: Economics. Thesis: An Analysis of the Impact of Valuation Requirements on the Preferred Stock Investment Policies of Life Insurance Companies. Major Adviser: Prof. H. W. Stevenson.

Kenneth Earl Olson, Chicago, Ill.

B.S.Ch.E. '57, Northwestern University. Major: Chemical Engineering. Minor: Mathematics. Thesis: An Analytical Study of the Regeneration of Fixed Bed Catalytic Reformers. Major Adviser: Prof. N. R. Amundson.

Eben Averill Osgood, Jr., Bangor,
Maine

B.S. '51, University of Maine; M.F. '56, Duke University. Major: Entomology. Minor: Botany. Thesis: Population Dynamics of Insects on Suckers of Quaking Aspen, *Populus Tremuloides* Michx., with Special Emphasis on the Spotted Poplar Aphid, *Aphis Maculatae* Oestlund, and the Willow Shoot Sawfly, *Janus Abbreviatus* (Say). Major Adviser: Prof. A. C. Hodson.

Arthur LaVerne Peterson, Delaware,
Ohio

B.A. '47, Yale University; M.S.P.A. '49, University of Southern California. Major: Political Science. Minor: Public Administration. Thesis: McCarthyism: Its Ideology and Foundations. Major Adviser: Prof. M. Q. Sibley.

Leland Douglas Peterson, Braham

B.A. cum laude '54, M.A. '56, University of Minnesota. Major: English. Minor: History. Thesis: The Satiric Norm of Jonathan Swift. Major Adviser: Prof S. H. Monk.

Jean Fackler Pinkerton, Los Angeles,
Calif.

B.S. '45, M.S. '49, Iowa State College. Major: Education. Minors: Child Psychology and Home Economics. Thesis: Relation Between Ninth-Grade Home Economics Instruction and Changes in Pupils' Attitudes Toward Family Relationships. Major Advisers: Profs. R. R. Ford and C. J. Hoyt.

Gundaris Poné, Latvia

B.A. '54, M.A. '56, University of Minnesota. Major: Music. Minor: German. Thesis: *Daniel Propheta*, Oratorio Eroico Per Tre Parti Principali, Coro, E Grande Orchestra. Major Adviser: Prof. P. M. Oberg.

Richard Ernest Pontinen, St. Paul

B.S. magna cum laude '55, Hamline University. Major: Physics. Minor: Mathematics. Thesis: Electron Spin Resonance Studies of n Type Germanium. Major Adviser: Prof. T. M. Sanders.

Robert Glenn Rainey, Bloomington

B.S. '49, M.A. '55, University of Minnesota. Major: Education. Minor: Chemistry. Thesis: The Effects of Directed Versus Non-Directed Laboratory Work on High School Chemistry Achievement. Major Advisers: Profs. C. H. Boeck and R. O. Collier, Jr.

Lloyd Carl Rixe, Hilger, Mont.

B.S. in Agric. '57, M.S. in Agric. '60, Montana State College. Major: Agricultural Economics. Minor: Economics. Thesis: Cost Economics to Size and Resource Use in Red River Valley Farming. Major Adviser: Prof. H. R. Jensen.

Bill Jiles Roberts, Minneapolis

B.S. '51, M.S. '53, Oklahoma A. and M. College. Major: Plant Pathology. Minor: Genetics. Thesis: Seedling Reaction of Oats to Puccinia Gruminis Vari Avenae. Major Advisers: Profs. Helen Hart and M. F. Kernkamp.

Roy Herman Rodgers, Kalamazoo,
Mich.

B.A. with honors '51, Wheaton College; M.A. '57, University of North Carolina. Major: Sociology. Minor: Child Psychology. Thesis: Improvements in the Construction and Analysis of Family Life Cycle Categories. Major Adviser: Prof. R. G. Francis.

Edward William Ryan, Ireland

B.Agr.Sc. '57, M.Agr.Sc. '58, University College (Dublin). Major: Plant Pathology. Minor: Genetics. Thesis: The Effects of 5 Grass Species on Growth and Root Rot of Wheat. Major Adviser: Prof. R. D. Wilcoxson.

Norman Fredrick Sather, Elmhurst,
Ill.

B.S. with high distinction '58, University of Illinois. Major: Chemical Engineering. Minor: Mathematics. Thesis: Thermal Relaxation and Transport Phenomena in Polyatomic Fluids. Major Adviser: Prof. J. S. Dahler.

William Dale Schmid, Excelsior

B.S. with distinction '59, University of Minnesota. Major: Zoology. Minor: Biostatistics. Thesis: Some Aspects of the Water Economics of Nine Species of Anuran Amphibians. Major Adviser: Prof. J. C. Underhill.

Roger Anthony Schmitz, Carlyle, Ill.

B.S. with high distinction '59, University of Illinois. Major: Chemical Engineering. Minor: Mathematics. Thesis: An Analytical Study of the Transient Behavior and Stability of Two-Phase Chemical Reacting Systems. Prof. N. R. Amundson.

Roland Ernst Schoenike, St. Paul

B.S. with high distinction '51, M.S. '53, University of Minnesota. Major: Forestry. Minor: Botany. Thesis: Natural Variation in Jack Pine (*Pinus Banksiana* Lambert). Major Adviser: Prof. S. S. Pauley.

David Martin Schraeder, St. Paul

B.S. '54, Iowa State University. Major: Physical Chemistry. Minor: Mathematics. Thesis: The Use of Electrostatic Variational Principles in Quantum Mechanical Energy Level Calculations: The Hydrogen Molecule. Major Adviser: Prof. Stephen Prager.

Philip Siegelman, Minneapolis

B.A. '52, University of Minnesota. Major: Political Science. Minor: History. Thesis: Colonial Development and the Chettyar: A Study in the Ecology of Modern Burma, 1850-1941. Major Adviser: Prof. Werner Levi.

Ralph Mark Singer, Chicago, Ill.

B.S. in Ch.Eng. '58, Illinois Institute of Technology. Major: Chemical Engineering. Minor: Mathematics. Thesis: The Condensation of Vapor on a Rotating Cylinder. Major Adviser: Prof. G. W. Preckshot.

Mansa Singh, Bassi Pathanan, Punjab, India

B.Sc.C.E. '52, Panjab University (India); M.S.C.E. '56, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: Thermo-Elastoplastic Bending and Stability of Beam-Columns. Major Adviser: Prof. W. H. Warner.

Robert Gordon Smith, Minneapolis

B.A. '51, Augsburg College; M.A. '53, Washington University. Major: Speech and Theater Arts. Minor: History. Thesis: The Arguments Over Abolition Petitions in the House of Representatives in December, 1835: A Toulmin Analysis. Major Adviser: Prof. R. L. Scott.

Richard Elgin Stallard, Minneapolis

B.S. '56, D.D.S. '58, M.S. in Dent. '59, University of Minnesota. Major: Anatomy. Minor: Dentistry. Thesis: *The Periodontium: A Histomorphologic Study of the Supporting Structures of the Teeth*. Major Adviser: Dr. Arnold Lazarow.

Zigfrids Teodors Stelmachers, Riga, Latvia

B.A. cum laude '58, University of Minnesota. Major: Psychology. Minor: Psychiatry. Thesis: Stereotyped and Individualized Information and Their Relative Contribution to Predictive Accuracy. Major Adviser: Prof. S. R. Hathaway.

Tannie Stovall, Atlanta, Ga.

B.S. '57, Morehouse College; M.S. '61, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Excitation of Collective Nuclear States. Major Adviser: Prof. N. M. Hintz.

William Elmer Streib, New Salem, N.D.

B.S. '53, Jamestown College; M.S. '55, University of North Dakota. Major: Physical Chemistry. Minor: Organic Chemistry. Thesis: A Study in Very Low Temperature X-Ray Crystallography. Major Adviser: Prof. W. N. Lipscomb.

Richard Jay Sundberg, Linn Grove, Iowa

B.S. in Chem. with high distinction '59, State University of Iowa. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Cyclizative Condensation of Nitromethane with Cyclic Ketones. Major Adviser: Prof. W. E. Noland.

Marvin Le Roy Tenhoff, Mankato

B.S. with honors '49, Mankato State College; M.A. '57, Colorado State College. Major: Education. Minor: Educational Psychology. Thesis: Conditions Associated with Readiness for School Entrance at Selected Ages. Major Adviser: Prof. C. P. Hooker.

Raj Pal Singh Tyagi, Meerut, India

B.V.Sc. '53, U. P. College of Veterinary Science and Animal Husbandry (India); M.S. '59, Michigan State University. Major: Veterinary Medicine. Minor: Pathology. Thesis: Effects of Pentothal Sodium Anesthesia on the Horse. Major Adviser: Prof. J. P. Arnold.

Loyd Monroe Wax, Sentinel, Okla.

B.S. '59, M.S. '59, Oklahoma A. and M. College. Major: Agronomy. Minor: Agricultural Plant Physiology. Thesis: Factors Affecting Quackgrass Control with Atrazine. Major Adviser: Prof. Richard Behrens.

Henry Charles Webb, St. Paul

B.S. with distinction '48, M.A. '49, University of Minnesota. Major: Education. Minor: Social Sciences. Thesis: An Investigation of Teacher Characteristics and Educational Film Utilization in Three Minnesota Urban Public School Systems. Major Advisers: Profs. C. J. Hoyt and G. H. McCune.

Doctor of Philosophy in Medicine

Newton Charles Birkhead, Gladwyne, Pa.

M.D. '49, University of Pennsylvania; M.S. in Med. '56, University of Minnesota. Major: Medicine. Minor: Physiology. Thesis: The Effect of Body Tilt, Lower Body Pressurization and Ganglion Blockade on the Variations in Thoracic Aorta Blood Flow During the Valsalva Maneuver in Man. Major Adviser: Dr. E. H. Wood.

Alfred Doscherholmen, Minneapolis

M.D. with honors '46, University of Oslo. Major: Medicine. Minor: Anatomy. Thesis: Studies on the Metabolism of Vitamin B₁₂. Major Adviser: Dr. C. J. Watson.

Venard Robert Kinney, Yonkers, N.Y.

B.S. '53, Iona College; M.D. '57, New York University. Major: Medicine. Minor: Physiology. Thesis: The Mechanism of Chloride Absorption in the Small Bowel of Dogs. Major Adviser: Dr. W. H. Dearing.

Bruce Allen Kottke, Rochester

B.S. '50, Hamline University; M.D. '54, University of Minnesota. Major: Medicine. Minor: Physiology. Thesis: Cholesterol Metabolism in Experimental Animals as Modified by Nicotinic Acid and Its Analogues, Triparanol, and Dietary Fat: Effects on Cholesterol Synthesis, Bile Acid Formation, and Atherosclerosis. Major Adviser: Dr. C. A. Owen.

Doctor of Philosophy in Surgery

William Frank Feller, St. Paul

B.A. *magna cum laude* '48, B.S. '52, M.D. '54, University of Minnesota. Major: Surgery. Minor: Microbiology. Thesis: The Biochemical and Cellular Determinants of Tissue Resistance in Ulcer Disease. Major Adviser: Dr. R. L. Varco.

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 was graduated, as well as the degree which he holds, and, in some cases, the field of his major interest.

The long, pointed sleeve of the gown indicates a Bachelor's degree; the long, closed sleeve with a slit near the upper part of 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 Science, Literature, and the 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 Pharmacy	olive
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, 1962

- The members of the graduating class, their families, and friends, are invited to attend the President's Reception immediately after the commencement ceremonies. It will be held in the Main Ballroom of the Coffman Memorial Union.
- Those in the receiving line will be President and Mrs. O. Meredith Wilson, Dean and Mrs. Julius M. Nolte, Miss Kathryn Wagnild, President of the Coffman Union Board of Governors, and Mr. Norman Uphoff, President of the Minnesota Student Association.
- Assisting as hosts at the Reception will be members of the Union Board of Governors and its committees, and of the following honorary societies: Chimes, Grey Friars, Iron Wedge, Mortar Board, Phoenix, and Silver Spur.
- A group of singers from the Men's Glee Club, under the direction of Assistant Professor Norman E. Abelson, Ph.D., Department of Music, will present Christmas carols during the Reception.
- Refreshments will be served. Members of the Union Board of Governors and of the honorary societies listed above will preside at the refreshment tables.