



UNIVERSITY OF MINNESOTA

March Commencement

1950

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, MARCH 16

AT EIGHT O'CLOCK



University of Minnesota

THE BOARD OF REGENTS

Dr. James Lewis Morrill, President

Mr. William T. Middlebrook, Secretary

Mr. Julius A. Schmahl, Treasurer

The Honorable Fred B. Snyder, Minneapolis
First Vice President and Chairman

The Honorable Ray J. Quinlivan, St. Cloud
Second Vice President

The Honorable James F. Bell, Minneapolis

The Honorable Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable J. S. Jones, St. Paul

The Honorable George W. Lawson, St. Paul

The Honorable Albert J. Lobb, Rochester

The Honorable E. E. Novak, New Prague

The Honorable A. J. Olson, Renville

The Honorable Herman F. Skyberg, Fisher

The Honorable Sheldon V. Wood, Minneapolis

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms.

This Is Your University

The University of Minnesota: "FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING, DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR TRUTH, DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF THE STATE"—this is your University.

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota will soon celebrate its one hundredth birthday. While nearing this milestone, as from its very beginning, the University is dedicated to the task of training the youth of today, the citizens of tomorrow. How well it has succeeded is indicated by the number of doctors, lawyers, engineers, social workers, journalists, dentists, farmers, businessmen, and community and civic leaders in all fields—good citizens all—who have gone from its several campuses to actively participate in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded 96,608 degrees to its students who have completed the rigorous training demanded by the complexities and specialization of modern society.

In addition to the enormous task of giving collegiate instruction to some twenty-five thousand students on its Minneapolis, St. Paul, and Duluth campuses, the University offers, through its Schools of Agriculture, its General Extension Division, and its short courses, 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 demonstration agents, and recreation and health consultants give effective aid and assistance to citizens of the state in their very homes.

But the University of Minnesota, like all great universities, has expanded far beyond its early teaching and training programs. In its diverse research laboratories on its three campuses, at the several agricultural experiment stations, at the Rosemount Research Center, and at the University Hospitals, its scientists at any one moment are working on countless research experiments of vital interest to the future health and welfare of all of us. These projects deal with such matters as cancer, poliomyelitis, taxation, low-grade iron ore, cheese making, teacher training, municipal government, nuclear fission, new varieties and strains of grains and fruits, supersonics and transonics, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the Minneapolis Symphony, the University Artists Course, the Master Piano Series, the University Theatre, and of the local performances of the Metropolitan Opera Company. Through the University of Minnesota Concert and Lecture Service and the School Assembly 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 because it is the second largest state university in the nation, but because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in their University is a dynamic, living thing and expresses itself in many ways. Contributions from them now make it possible for the great Mayo Memorial building and for the new Variety Club Heart Hospital to be erected over the coming months. Through the American Legion and the auxiliary posts all over the state, thousands of friends have made relatively small gifts to provide an endowed research professorship in heart diseases. Gifts to the Greater University Fund, each appropriately called "A Share in Greatness," now being made especially by alumni, are worthy of special mention.

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 University Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

Order of Events

THE ASSEMBLING OF THE AUDIENCE: As candidates for degrees at this evening's commencement and their friends and relatives reach the Minneapolis Campus of the University of Minnesota from 7:00 to 7:30 p.m., they will hear the Flemish bells being played from Northrop Memorial Auditorium, Mr. Edward Berryman, carillonneur. Admission to the March commencement exercises in the Auditorium is by guest card only. Guests will be seated as they arrive in the Auditorium but are asked to stand when the curtain is opened and remain standing throughout the presentation of the colors, the singing of the National Anthem, and the Invocation.

PRELUDE CONCERT: Beginning at 7:30 p.m., the University Concert Band, Mr. Gerald R. Prescott, Associate Professor and Bandmaster, will play:

Trauersinfonie - - - - - Richard Wagner

Gold and Silver, Waltzes - - - - - Franz Lehar

American Folk Rhapsody - - - - - Clare E. Grundman
 My Little Mohee
 Shantyman's Life
 Sourwood Mountain
 Sweet Betsy from Pike

The French Quarter Suite - - - - - John J. Morrissey
 St. Louis Cathedral
 Patio
 French Market

Die Fledermaus, Overture - - - - - Johann Strauss

Processional:

Medieval Pageantry - - - - - Joseph De Luca

PROCESSIONAL: As candidates for degrees enter the Auditorium at 8:00 p.m. the curtain will be drawn. Seated on the platform, left to right, are: Mr. Thomas F. Barnhart, Professor of Journalism, Marshal; Dr. Errett W. McDiarmid, University Librarian, Marshal; Rabbi Lewis Milgrom, Member of Minnesota Council of Religion and Director of Hillel Foundation at the University; Col. Clarence H. Schabacker, USA, Professor of Military Science and Tactics; Dr. J. William Buchta, Assistant Dean of the College of Science, Literature, and the Arts and Chairman of the University College Committee; Mr. Thomas L. Joseph, Assistant Dean of the Institute of Technology; Dr. Horace T. Morse, Dean of the General College; Dr. Henry Schmitz, Dean of the College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dr. Richard K. Gaumnitz, Assistant Dean of the School of Business Administration; Mr. True E. Pettengill, Recorder; Dr. Malcolm M. Willey,

Order of Events

Vice President, Academic Administration; The Honorable Fred B. Snyder, Chairman of the Board of Regents; Dr. James Lewis Morrill, President of the University of Minnesota; Dr. Lewis Webster Jones, President of the University of Arkansas; The Honorable J. Seneca Jones, Member of the Board of Regents; Mr. William T. Middlebrook, Vice President, Business Administration; Capt. Cornelius M. Sullivan, USN, Professor of Naval Science and Tactics; Mr. Stanley V. Kinyon, Assistant Dean of the Law School; Dr. Wesley E. Peik, Dean of the College of Education; Dr. Earl B. Fischer, Professor and Head of the Department of Pharmacognosy; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Dr. Theodore C. Blegen, Dean of the Graduate School; Major Walter H. Grierson, USAF, Professor of Air Science and Tactics; Mr. Roy A. Schuessler, Assistant Professor of Music; Mr. Keith McFarland, Assistant to the Dean of the College of Agriculture, Forestry, Home Economics, and Veterinary Medicine, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University ROTC and NROTC cadets, enters the Auditorium, the audience will rise and remain standing for the National Anthem and the Invocation.

THE NATIONAL ANTHEM (first stanza only): The entire audience and Mr. Roy A. Schuessler, M.A., Assistant Professor of Music, Soloist.

INVOCATION: Rabbi Lewis Milgrom, Member of Minnesota Council of Religion and Director of Hillel Foundation at the University.

SPEAKING FOR THE UNIVERSITY: President James Lewis Morrill, LL.D., President of the University of Minnesota.

COMMENCEMENT ADDRESS: "The Crisis in Belief," President Lewis Webster Jones, Ph.D., President of the University of Arkansas.

PRESENTING OF COMMISSIONS: Dr. Malcolm M. Willey, Vice President, Academic Administration, will introduce Colonel C. H. Schabacker, CAC, USA, Professor of Military Science and Tactics; Captain C. M. Sullivan, USN, Professor of Naval Science and Tactics; and Major W. H. Grierson, USAF, Professor of Air Science and Tactics, who will present their candidates for commissions in their respective branches of the Armed Services. The commissions will be presented by President Morrill; the oath of office will be given by Major Grierson.

CONFERRING OF DEGREES: Dr. Malcolm M. Willey, Vice President, Academic Administration, will introduce the several deans who will present the candidates for the degrees in their respective colleges. These, in order of their introduction, are: Dean Horace T. Morse, Ph.D., General College; Dean J. William Buchta, Ph.D., University College and representing Dean T. R. McConnell, Ph.D., College of Science, Literature, and the Arts; Assistant Dean Thomas L. Joseph, M.A., Institute of Technology; Dean Henry Schmitz, Ph.D., College of Agriculture, Forestry, Home Economics, and Veterinary Medicine;

Order of Events

Dean Wesley E. Peik, Ph.D., College of Education; Assistant Dean Richard K. Gaumnitz, Ph.D., School of Business Administration; Professor E. B. Fischer, Ph.D., College of Pharmacy; Assistant Dean Stanley V. Kinyon, LL.B., Law School; Dean Harold S. Diehl, M.D., College of Medical Sciences; and Dean Theodore C. Blegen, Ph.D., Graduate School. All degrees will be conferred by President James Lewis Morrill. Immediately afterward, certificates and diplomas will be presented by each dean to the graduates of his college.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Dean Theodore C. Blegen to President James Lewis Morrill, who will confer the degrees.

“HAIL! MINNESOTA,” the University’s alma mater song: The audience and Mr. Roy A. 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.

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 AND TACTICS

Second Lieutenant, Coast Artillery Corps, ORC

Clinton E. Banik, Jr., Minneapolis

Second Lieutenant, Transportation Corps, ORC

Donn A. Beidelman, Hopkins

Second Lieutenant, Quartermaster Corps, ORC

Maynard R. Heil, Gaylord

Second Lieutenant, Ordnance Department, ORC

Edward J. Adams, St. Paul

David A. Bennett, St. Paul

William A. Crosley, Minneapolis

DEPARTMENT OF AIR SCIENCE AND TACTICS

Second Lieutenants, USAF Reserve

Robert G. Bartholow, Minneapolis

Robert W. Beucus, Minneapolis

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Ensign, SCS, USNR

Arnold Earl Freerks, Minneapolis

Candidates for Graduation

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

GENERAL COLLEGE

Associate in Arts

Katherine Claire Barry, Minneapolis	David Vance Hull, Minneapolis
Albert Thomas Bergum, St. Paul	Calvin Clark Johnson, Wayzata
James Edward Boyle, Minneapolis	Robert Gust Kanel, Minneapolis
Donald Walter Calkins, East Chain	Kenneth Arthur Kinnunen, Sebeka
Donald Gerald Campagne, Minneapolis	Joseph John Kissell, Minneapolis
James Harold Clasen, St. Paul	Ronald Kostakos, Minneapolis
George Bruce Davidson, St. Cloud	Donald Keith Langland, St. Paul
Glenn Robert Desmond, St. Paul	Richard Alfred Larson, Minneapolis
Chester Durda, Minneapolis	Betty June Lawler, St. Paul
Joyce Marie Dusk, Minneapolis	Howard Joseph Lubitz, Delavan
Richard Dean Elliott, St. Paul	Robert L. L. Obermeyer, Minneapolis
Dorothy Jean Frederickson, Okabena	Cortlandt LeRoy Olson, Minneapolis
James Magna Gonyea, Minneapolis	Andrew Wirth Owens, Minneapolis
Robert J. Graves, Minneapolis	James Andrew Pryor, St. Paul
Don Howard Gunderson, Minneapolis	Henry Joseph Schwegman, Taylors Falls
Peter Walter Guzy, Jr., Minneapolis	Donald Wayne Temte, Minneapolis
Nancy Jane Hall, St. Paul	John Joseph Volkenant, St. Paul
Robert Maynard Hansen, St. Paul	Henning Verner Westberg, Minneapolis
Peter John Higgins, Minneapolis	Dean Lee Zilley, St. Paul

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Elizabeth Lucille Clasemann, Long Prairie	Abraham Rosenthal, St. Paul
Marlys Jean Dahlquist, Minneapolis	Kenneth Anthony Ryan, Minneapolis
Perry Myron Koritz, Minneapolis	Robert Philip Shoush, Minneapolis
David Allen Larson, South St. Paul	Donald Gale Tollin, Minneapolis
Wayne Lincoln Nelsen, St. Paul	Elaine Opsal Williams, Minneapolis
Karin Borgny Norling, Minneapolis	Elmer Royce Williams, Clinton
Richard Bernt Olson, Minneapolis	Nancy Jean Witt, Minneapolis
Dean Edward Reep, Minneapolis	Samuel A. Yarosh, Minneapolis

Bachelor of Arts

Richard John Adamic, Hibbing
 Jean French Albertal, R.N., Washington, D.C.
 Adolph William Amundson, Jr., St. Paul
 John Ellsworth Applen, Marshall
 Betty Lou Ault, Minneapolis
 Clinton Edward Banik, Jr., St. Paul
 Alice Rappleye Townsend Barlow, Minneapolis
 Alan Landis Barr, White Bear Lake
 Robert Grant Bartholow, Wayzata
 Carl Sidney Benson, Minneapolis
 Donald Claus Benson, St. Paul
 William Robert Bergstrom, Minneapolis, MAGNA CUM LAUDE
 Robert William Beucus, Minneapolis
 Alice JoAnn Blackmun, Wyndmere, N.D., MAGNA CUM LAUDE
 Harold Roger Blocher, Vinton, Iowa
 Hale Henry Bockstruck, St. Paul
 Richard Leon Boisjolie, Minneapolis
 Lloyd Vernon Borgen, Minneapolis
 Robert LaFollette Boyd, St. Paul
 Robert Foster Bradley, Minneapolis
 Ruby Florence Brank, Minneapolis
 Maxine Harriet Brown, St. Paul
 Raymond William Brown, Minneapolis
 Fern Irene Browne, Minneapolis
 Bernie Joe Burkett, Galveston, Tex.
 James Francis Burns, Minneapolis
 Pauline Adelaide Burgess Buttery, St. Paul
 Allen David Calvin, St. Paul, CUM LAUDE
 Edgar Tiftt Canaday, A.A., Rochester
 Patricia Derr Carle, Winnipeg, Canada
 John Robert Carlson, Minneapolis
 James Franklin Clements, Minneapolis
 Ann LeMay Colle, Minneapolis
 Nancy Muriel Cookson, Manistique, Mich., MAGNA CUM LAUDE
 Kenneth Ivan Covington, Minneapolis
 Thomas Francis Cullen, Minneapolis
 Robert Alton Cunningham, New Rochelle, N.Y.

Merwin L. Dechter, Minneapolis
 Bernard Ozias deVries, Minneapolis
 James Lansing Dorr, Minneapolis
 Robert Jay Drown, Minneapolis
 Henry Charles Engelke, Bluffton
 Donald Forrest Erickson, St. Paul, MAGNA CUM LAUDE
 George Everette Evans, A.A., St. Paul
 Dorothy Jane Martin Everest, St. Paul, CUM LAUDE
 Edward Lockwood Falk, Minneapolis
 Lillian Rae Falk, Sioux City, Iowa
 Thomas William Fee, St. Paul
 Victor Joseph Fehring, Lismore
 Richard Mathew Fernbaugh, Fargo, N.D.
 Max Wayne Field, A.A., Rochester
 Marjorie Mary Fink, Minneapolis
 Irving George Fischbein, Minneapolis
 William Conrad Fisher, Minneapolis
 Patricia Joanne Fitzgerald, Duluth
 Stanton Paul Fjeld, Prescott, Wis.
 Richard Mathew Flynn, Stewartville
 David Eugene Fogelson, West St. Paul
 Marvin Leon Franklin, Minneapolis
 Helen Marie Fredel, Minneapolis
 Donald Irwin Frishberg, St. Paul
 Edgar Ralph Gamm, Marshall
 Ray Werner Gammon, Minneapolis
 Marvin Garetz, Minneapolis
 Irene Florence Gellhorn, Minneapolis, SUMMA CUM LAUDE
 Donald John Gerst, Minneapolis
 Paul Raymond Gore, Minneapolis
 Joan Scheer Gottlieb, Minneapolis
 John Henry Graf, St. Paul
 Evelyn Green, Aberdeen, S.D.
 Marian Ruth Grette, Minneapolis, CUM LAUDE
 John Philip Gruye, Worthington
 Dorothy E. Hagman, Excelsior
 Pid Haley, Minneapolis
 Arvilla Marie Hansen, A.A., Minneapolis
 Luverne Lawrence Hartley, Minneapolis
 Donald Vernon Hastings, Minneapolis

Henry Emil Henke, Jr., St. Paul
 Alexander Herskovitz, Minneapolis
 Clarice Elizabeth Hoekstra, Twin
 Valley, CUM LAUDE
 Elling Magner Holie, Minneapolis
 Gerald Clifford Hoye, A.A., Virginia,
 CUM LAUDE
 Donald Warren Ittner, Minneapolis
 Jerry Eugene Jacob, Anoka
 Renee Sorelle Jacobs, St. Paul
 Melvin Janowitz, Minneapolis, CUM
 LAUDE
 James Everett Janssen, Minneapolis
 John William Jenne, Minneapolis,
 CUM LAUDE
 Arthur Gilbert Johnson, Eveleth
 Harry Richard Johnson, Spring Valley
 Howard Marvin Johnson, St. Paul
 Robert Allan Johnson, Duluth
 Robert Lee Johnson, St. Paul
 Joseph Elliott Kahn, Minneapolis
 Lilas Jean Kammer, Chatfield
 Thomas Martin Kelly, Minneapolis
 Irwin Helge Kilstofte, Winona
 Jane Ann Klingel, St. Paul, MAGNA
 CUM LAUDE
 Mary Ellen Koop, A.A., Brainerd
 Thelma Anne Kunde, New Ulm,
 MAGNA CUM LAUDE
 Paul Dennis Kunin, A.L.A., Minne-
 apolis
 Arthur Norman Larson, Osakis
 Edward Victor Larson, Atwater
 Margaret Elsie Larson, Minneapolis
 Marilyn Lasley, Minneapolis
 Richard Roy Laue, River Falls, Wis.
 James Milton Lawson, Minneapolis
 Milton Ramon Lentz, Rochester
 Arnold T. Lepisto, Cokato
 Basil Philip Lillestol, Barney, N.D.,
 MAGNA CUM LAUDE
 Gordon Paul Lindblom, Minneapolis,
 CUM LAUDE
 Robert Marion Lindstrom, Princeton
 Helen Bergtholdt Lisowski, Auburn,
 Calif., MAGNA CUM LAUDE
 Robert William Lisowski, Minne-
 apolis
 Jay Nelson Little, Minneapolis
 Frank Lockwood, Jr., Chicago, Ill.
 Robert Lee Logman, St. Paul
 Ralph William Long, Minneapolis
 Lewis Kingsley Lundblad, A.A.,
 Paynesville
 James Conway Marvin, Minneapolis
 Bruce Allen McCabe, A.A., Duluth
 Kenneth Lloyd McDougall, Chisholm
 William Eugene McGivern, Staples
 Shirley Ruth McKee, Minneapolis
 Robert Chauncey McKinlay, Minne-
 apolis
 Albert Roy Menzies, Minneapolis
 Ruth Meyer, Thief River Falls
 Joseph Clement Michael, Jr., Hopkins
 Robert Francis Michaud, Minne-
 apolis
 Joel Conrad Mickelson, Willmar
 Harold Edward Miller, Minot, N.D.
 Liv Dorothea Moller, Minneapolis
 Theodore Frankman Murphy, Minne-
 apolis
 Edward J. Myers, St. Paul
 Joe Dahl Neal, Minneapolis
 William Joseph Nee, Albert Lea
 Douglas Alan Nelson, Windom,
 MAGNA CUM LAUDE
 Norman Fred Nideng, Minneapolis
 Richard Joseph Nowicki, St. Paul
 Frederick William Obitz, Minne-
 apolis
 Gerald George Paulos, A.A., Minne-
 apolis
 Beverly Vivienne Peterson, Willmar
 Donald Floyd Peterson, Mound
 Elmer Peterson, Jr., Minneapolis
 Genevieve Lucille Peterson, Minne-
 apolis
 Rodney Dale Peterson, Minneapolis
 Bruce Aberg Poulsen, St. Paul
 Richard Harold Prindle, Faribault
 Charles Bernard Rabuse, St. Paul
 Diane Mildred Ramsey, St. Cloud,
 CUM LAUDE
 Roy Denis Richter, Minneapolis
 Lloyd Philip Roholt, A.A., Eau Claire,
 Wis.
 John Beale Rumsey, Waterloo, Iowa,
 CUM LAUDE
 Marion Marguerite Ryan, Minneapolis
 Richard Ernest Salinger, St. Paul
 Robert Bond Sandell, A.A., Minne-
 apolis

Ronald Russell Sass, Elk River
 Richard George Schifsky, St. Paul
 Richard Hugh Schlader, Minneapolis
 James Alan Schroeder, A.L.A., St. Paul
 Theodore Albert Schroeder, Jr.,
 Minneapolis
 Albert Wesley Schuneman III,
 St. Paul
 Lydia Charlotte Selmanoff, Minne-
 apolis
 Sidney Shear, St. Paul
 William Ogden Skar, Minneapolis
 Harold George Smith, Minneapolis
 Jean Annette Smith, Eagle Bend
 Howard Eugene Soper, A.A., Minne-
 apolis
 Eugene Leo Staples, St. Paul
 Winifred H. Stark, Minneapolis
 Kenneth Barker Stetson, Minneapolis
 Lowell Hanson Storms, Ada, MAGNA
 CUM LAUDE
 Daniel Lee Swenson, Eldora, Iowa
 William George Theirl, Stanley, Wis.
 John Leslie Thompson, Minneapolis

Mary Elizabeth Tibbetts, Duluth
 Joseph Tich, Minneapolis
 Woodrow Verner Timo, Sebeka
 Francis Moore Tompkins, St. Paul,
 MAGNA CUM LAUDE
 Eunice Mae Triggs, Pine River
 Newman Leonard Tuttle, Albert Lea
 Robert Monat Uehren, Jr., Minne-
 apolis
 Leonard Vernon Watten, Minne-
 apolis
 Charles John Welter, St. Paul
 Maureen Elizabeth Wetch, Minne-
 apolis
 Henry Stamford Widen, A.A. St. Paul
 Harold Bennett Williamson, Minne-
 apolis
 Philip Richard Wodika, Minneapolis
 Robert Carl Woempner, Minneapolis,
 CUM LAUDE
 Charles Lee Wright, Minneapolis
 Israel Norman Yarosh, Minneapolis
 Margaret Jane Zorn, Minneapolis

Bachelor of Science

Robert Louis Stickney, Minneapolis

Bachelor of Science in Library Science

William Patrick Macaskill, Duluth

Maxine Houghton Wallin, B.A.,
 Duluth, CUM LAUDE

UNIVERSITY COLLEGE

Bachelor of Arts

Rowland Henry Bettels, Excelsior
 George Howard Coyne, Minneapolis

Richard Daniel Markham, Rochester
 Bettie Louise Park, St. Paul

Bachelor of Science

Richard Suby Larson, Minneapolis
 Vernetta Dorothy Priebe, G.D.H.,
 Osseo

Sterling Elgin Rowe, Polson, Mont.
 Gerald Bernard Sinykin, Minneapolis

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Kenneth Wilfred Anderson, McKinley
 Thomas Strander Carlisle, Kalispell,
 Mont.

George Alfred Curney, St. Paul
 Ross Dunham, Minneapolis
 Harold Orville Ekern, Minneapolis

Roy Edward Hammerand, Dubuque, Iowa, WITH HIGH DISTINCTION	Douglas Cameron Nichols, Chicago Heights, Ill., WITH HIGH DISTINC- TION
Robert Byron Hayes, Austin	Walter Junior Portenier, Dubuque, Iowa
Arne Gunnar Heisholt, Rjukan, Nor- way, WITH HIGH DISTINCTION	Arlen Irvin Reichert, St. Paul
Lyle Waldron Jones, Dexter, N.Y.	Donald Jacob Roth, St. Paul
Florian Jacob Karnowski, Little Falls	Eugene George Voltin, Minneapolis
Robert Ellsworth Lowry, Duluth	George Fred Weide, St. Paul
Robert Lewis Myers, Sheboygan, Wis.	

Bachelor of Agricultural Engineering

Reuben Tilman Leines, Minneapolis	Niilo Allan Andero Raisanen, Annan- dale
James Bernt Mattson, Cokato	Otto Willis Rye, Minneota
Ralph Gordon Olson, Argyle	Harvey Eugene Sandstrom, Cloquet

Bachelor of Architecture

Donald Wickware Brown, Long Beach, Calif.	David Earl Rowland, Wisconsin Rapids, Wis.
Donald Joseph Docherty, St. Paul	LeRoy Edward Stegner, Marshall
	Robert Sannan Takaichi, Minneapolis

Bachelor of Chemical Engineering

George Morris Miller, Madelia	Thomas Dean Soapes, Triumph
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Bachelor of Chemistry

Dwayne Frank Bishop, Elk River	Walter Carl Miller, Jr., Minneapolis
William Philip Friday, Stillwater	John Norman Shaw, Grand Rapids
Ailene Marie Herranen, Ely	Alfred Joseph Wallner, St. Paul
Theodore Joseph Kneip, St. Paul, WITH DISTINCTION	

Bachelor of Civil Engineering

Donald Elder Barclay, Albert Lea	Kenneth Benjamin Fick, Minneapolis
Norman Tenner Berglund, Minne- apolis, WITH DISTINCTION	Leonard O. Fritze, Owatonna
Gerald Irving Brask, Minneapolis	John MacArthur Gillis, Hibbing
John James Casey, Minneapolis	Edward Eugene Glynn, Hopkins
Donald Lynne Chapman, Wahkon, WITH DISTINCTION	Gordon Louis Grohs, St. Paul
Clarence Arthur Christofferson, St. Paul	Arvo Rudolph Gustafson, Hibbing
Ralph Mathew Ebert, Watertown	Russell James Hammersmith, Minne- apolis, WITH DISTINCTION
Oscar Calvin Evenson, Hibbing, WITH HIGH DISTINCTION	George Hecimovich, Hibbing
	Robert Irven Hodgins, Jr., St. Paul
	Gilbert Arnold Holmstoen, River Falls, Wis.

Harry Melville Howe, Duluth
 John Warren Jorgenson, Redwood Falls, WITH DISTINCTION
 Lee Mervyn Katzenberger, Redwood Falls
 Lawrence L. Kornblum, Hibbing
 Roland Weston Landrigan, Robbinsdale
 Norman Noel Lueck, Cannon Falls
 Richard Frank Manthe, Estherville, Iowa
 Leslie Neil McKay, Delhi
 Thore Peter Meyer, Buffalo, WITH DISTINCTION

Richard Eugene Moehrle, South St. Paul
 Robert J. Munsch, Minneapolis
 Forrest Frederick Okerman, B.A., Little Falls
 John Vincent Palmer, Excelsior
 Vernon Harry Petersen, Litchfield
 George Carl Quist, Jr., Minneapolis
 Roger Edward Ronning, Duluth
 Jack Thomas Vosler, Minneapolis, WITH DISTINCTION
 Lloyd Ludwig Wasnick, Minneapolis
 Richard Niel Weeks, Glen Lake
 Wayne Alfred Youngren, Duluth

Bachelor of Electrical Engineering

Wayne Maurice Aamoth, St. Paul
 Kenneth Berten Anderson, Minneapolis
 Richard Louis Anderson, Minneapolis, WITH DISTINCTION
 Fred Edmund Ashbaugh, Rushmore
 John Philip Bergren, Two Harbors, WITH DISTINCTION
 Robert Francis Blake, Little Falls
 William Patrick Byrnes, Minneapolis
 Thomas Anthony Connelly, St. Paul
 Paul Keath Cowell, Northfield
 Eugene Francis Cronemiller, St. Paul, WITH DISTINCTION
 Robert Stanley Dawson, Minneapolis, WITH HIGH DISTINCTION
 Bill Everett Dozer, Faribault
 Robert Ralph Dye, Red Wing
 Ralph Sigurd Eide, Minneapolis
 Clayton Everett Erickson, A.S., Brainerd, WITH DISTINCTION
 Ralph Willard Foad, Minneapolis
 Norman Joseph Foot, Minneapolis
 John Raymond Goodrich, Champlin
 Walter William Granberg, St. Paul
 Harry Anton Gustafson, Wright, WITH HIGH DISTINCTION
 William Harry Hanley, Robbinsdale
 William John Huhtala, Mountain Iron
 Charles William Hulburt, Anoka
 Ralph Edward Jacobson, Minneapolis
 Roger William Jensen, Brainerd, WITH DISTINCTION
 Benjamin Oscar Johnson, Brainerd

Charles M. Johnson, Annandale
 Forest Roderick Johnson, Montevideo
 Vernon Oliver Johnson, St. Paul
 Wallace Harvey Kellam, Kilkenny
 Leonard Kirvıda, Lindstrom
 Peter Francis LaBate, Hibbing
 John Henry Lindahl, Minneapolis
 Donald Earle Loop, Fairmont
 Willard Allan Lobitz, Waconia
 John Leslie Loveland, Jr., St. Paul
 William Gordon Macdonald, Minneapolis
 John Magnuson, Jr., St. Paul
 John Arvid Malmstrom, Elk River
 Giles Raiche McConville, Minneapolis
 Ralph Edward McLean, Jr., St. Paul
 Roger Allen Moe, Willmar
 Samuel Leslie Moorhead, Minneapolis
 Edwin Jerome Nelson, Brookston, WITH DISTINCTION
 John Melvin Nelson, Marine-on-St. Croix
 Robert Marshall Nelson, Minneapolis, WITH HIGH DISTINCTION
 Wayne Peter Nelson, Litchfield
 Vincent T. Neubauer, Springfield
 Richard Fredrick Nolting, Minneapolis
 William Joseph O'Connell, Slayton
 James Kenneth Olson, Minneapolis
 Frederick Ellis Pearce, Michigan City, Ind.
 John Benjamin Petersmeyer, Minneapolis

Anthony Joseph Pierce, St. Paul
 Arthur Peter Platakis, Minneapolis
 Dallas Gustave Raasch, South St. Paul
 Bernard Francis Reilly, St. Paul
 Walter Francis Renner, Alexandria
 John Thomas Rowland, Houston
 Gerald Raymond Sauer, Hokah
 James Stuart Scott, Two Harbors
 Alfred Eugene Sears, Kasson
 Bruce Meline Sifford, Minneapolis
 Francis Alexander Sirr, Morris, WITH
 HIGH DISTINCTION
 Harry Milton Skulborstad, Madison

Robert Vernon Snyder, International
 Falls
 Arne Melvin Stolberg, Virginia
 Theodore Daniel Thomas, Chaska,
 WITH DISTINCTION
 James Edward Thornton, St. Paul
 Henry Edward Tobkin, Perham
 Edwin Theodore Tornquist, Jr., Vir-
 ginia
 William Stewart Walker, St. Paul
 John D. Webster, St. Paul
 Wendell Eugene Wilson, St. James

Bachelor of Geological Engineering

Richard Ernest Cribbs, Forest City, Iowa

Bachelor of Mechanical Engineering

James Dennis Adamson, Minneapolis
 Glen Joseph Alden, Chisholm
 Glenn Robert Anderson, Minneapolis
 Richard Lyle Aspenson, Albert Lea
 Ernest Jacob Beck, Minneapolis
 George Douglas Becker, Minneapolis
 Walter Sol Berkman, Minneapolis
 Read Machold Bissell, Minneapolis
 Hubert Alfred Blandin, Minneapolis
 Roger Everett Bracken, Minneapolis
 Donald C. Campbell, Austin
 Carl Harvey Carlson, Mankato
 Robert Merlin Carlson, South St.
 Paul, WITH HIGH DISTINCTION
 Richard Joel Clark, St. Paul
 Kenneth Marvin Coline, St. Francis
 Richard Theodore Cox, Minneapolis
 John Adolph Dahlgren, Roseau, WITH
 DISTINCTION
 Clayton Ray Dalrymple, Jr., Minne-
 apolis
 John James Decker, Minneapolis
 Donald James Dowd, Taconite
 Charles Wesley Doyle, Warroad
 Herman Sylvester Fessler, Minneapo-
 lis
 Leslie Wyatt Foster, Jr., Minneapolis
 Paul Thomas Freier, Red Wing, WITH
 HIGH DISTINCTION
 Philip Hopkins Grathwol, Minneapo-
 lis

Warren Calvin Hallberg, Anoka
 Stanton Walter Holmberg, St. Cloud,
 WITH DISTINCTION
 Richard Wagner Howard, St. Paul
 Jerome Benjamin Jansen, Olivia, WITH
 DISTINCTION
 Walter Raymond Jefferson, Jr.,
 St. Paul
 Everts Peter Jensen, Rochester
 Calvin Thomas Johnson, St. Cloud
 Gerald Jonas Johnson, New Richland
 Robert Wayne Johnson, Minneapolis
 Frank Kody Kennon, Owatonna
 Richard Mirko Kirkes, Bovey
 Robert LeRoy Klar, Huron, S.D.
 Richard Charles Larsen, Minneapolis
 Delbert Nicholas Le Claire, St. Cloud
 Paul Arthur Url Linnerooth, St. Paul
 Frank Yanez Martinez, B.S., Los
 Angeles, Calif.
 Mark Andrew Mathews, Jr., Minne-
 apolis, WITH DISTINCTION
 George Emil Melink, Hibbing
 Robert Allen Mills, Minneapolis
 Joseph Moses, St. Paul
 Leroy Elmer Nelson, Minneapolis
 Stanley Edwin Nelson, St. Paul
 John Donald Nicol, Robbinsdale
 Vernon Vetter Norrbom, Minneapolis

Earl Leon Orner, Minneapolis
 Fuat Ozkan, Nigde, Turkey
 Frank Abbott Pierce, Minneapolis
 John Nicholas Pinz, Minneapolis
 Dennis Ludvig Pommer, Minneapolis
 George Oliver Raiche, Minneapolis
 Donald Earl Reiss, St. Louis Park
 Lawrence Joseph Roth, Rochester
 Herman Henry Schneider, St. Paul,
 WITH DISTINCTION
 Victor Claude Schorey, Sartell
 Robert James Schroeder, Mankato
 Milton Leroy Smith, Minneapolis
 Oscar Bernard Soderling, Jr., Duluth
 Elliott Edgar Spencer, Montevideo
 Daniel C. Sullivan, Minneapolis
 Myron John Sullwold, Minneapolis
 Robert Hugh Sutton, Minneapolis

George Gene Swenson, Jr., Minne-
 apolis
 John LeRoy Terry, Minneapolis
 Robert Herman Teuber, St. Cloud
 Harry Richard Thayer, Marble
 John Delbert Thompson, Lyle
 Myron LeRoy Thomson, Motley,
 WITH DISTINCTION
 Conrad Henry Topp, St. Paul
 Kenneth Clarence Troumbly, Taco-
 nite, WITH DISTINCTION
 Allan Wayne Wessel, Minneapolis
 George Alfred Westergren, Minne-
 apolis
 Ralph Maurice Wheeler, Minneapolis
 Bertram Thomas Willman, Duluth,
 WITH HIGH DISTINCTION
 Harry Ellsworth Woodis, St. Paul

Bachelor of Mining Engineering

George Walter Herbst, Riverton

George Martin Marincel, Mountain
Iron

Bachelor of Physics

Arnold Herman Boettcher, Windom
 Robert Loy Howard, Minneapolis,
 WITH DISTINCTION
 Miles Franklin Huntsinger, Worth-
 ington

John Merton Powell, Excelsior
 Richard Emanuel Wahlstrom, Minne-
 apolis

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Vernon Ralph Abrahamson, Canton,
 Agriculture
 Harold Keith Anderson, Howard Lake,
 Agriculture, WITH DISTINCTION
 Leo Martin Anderson, Wheaton, For-
 estry
 Warren Arne Armstrong, Welch, Ag-
 riculture
 Mary Jane Battin, Minneapolis, Home
 Economics
 William Robert Bennewitz, St. Cloud,
 Forestry
 Robert Frederick Bossing, Excelsior,
 Agriculture

Charles Lee Bowman, St. Paul, Agri-
 culture
 Robert Erwin Buckman, Spooner,
 Wis., Forestry, WITH DISTINCTION
 Dean Paul Cates, Dassel, Agriculture
 Lloyd Raymond Caulfield, Byron, Ag-
 riculture
 Leroy Emery Copp, Thief River Falls,
 Agriculture
 Patricia Jeanne Dickinson, A.A.,
 St. Louis Park, Home Economics
 LeRoy Frank Fish, St. Paul, Forestry
 Charles Frederick Flink, Coleraine,
 Forestry, WITH DISTINCTION

Anthony Gary Gruha, St. Cloud, Forestry
 Ruth Tillie Gustavson, Minneapolis, Home Economics
 Dorothy Mae Hansberger, Dawson, Home Economics
 Raymond Winton Hansen, Payne, Agriculture
 Dorothy Mae Hanson, North St. Paul, Home Economics
 Wayne Richard Hanson, Minneapolis, Forestry
 Louis Victor Hedlund, Roseau, Agriculture
 Jack Roger Helm, Duluth, Forestry
 Lois Jeannette Henning, Minneapolis, Home Economics
 Ronald Lindy Horswell, St. Paul, Fish and Wildlife Management
 Herbert Haedcke Hoverstad, Dennison, Agriculture
 Richard Anthony Hyser, Minneapolis, Agriculture
 Julin Orville Jacobson, St. Paul, Agriculture
 Robert Lloyd Jacobson, St. James, Agriculture
 Gerald Gilbert Johnson, Minneapolis, Agriculture
 Joyce Lorraine Johnson, Monticello, Home Economics
 Marjorie Deloris Johnson, A.A., Montevideo, Home Economics
 Victor Jerome Johnson, Blue Earth, Agriculture
 Frank Michael Kampmeyer, St. Paul, Agriculture
 Gertrude Kellermann, St. Paul, Home Economics
 Arvid Cornelius Knudtson, Chisholm, Agriculture, WITH DISTINCTION
 David Hubert Knudtson, Blue Earth, Agriculture
 Carl Raymond Kunnari, Brimson, Agriculture
 Edward Joseph Longtin, Cloquet, Fish and Wildlife Management
 Donald Karl Lueck, Minneapolis, Agriculture
 Russell William Lukkarila, Chisholm, Forestry
 Thomas Andrew Milner, Minneapolis, Forestry
 Donald Frank Mraz, Green Bay, Wis., Fish and Wildlife Management
 Ernest Erwin Mulch, St. Paul, Fish and Wildlife Management
 Harold Lewis Murchie, Goldthwaite, Tex., Agriculture
 Richard Henry Nelson, LaFayette, Forestry, WITH HIGH DISTINCTION
 Gerald John Ness, River Falls, Wis., Agriculture
 William Henry Newhall, Owatonna, Agriculture
 Joel Henry Nitz, Waterloo, Wis., Forestry
 Harlan Kenneth Nygaard, Minneapolis, Forestry
 Harry A. Oen, Thief River Falls, Agriculture, WITH DISTINCTION
 Charles Reid Oliver, Winnebago, Agriculture
 Donald Sheldon Olmsted, Minneapolis, Science Specialization
 Vernon Allen Paulson, Albert Lea
 Marvin Wallace Pearson, Milwaukee, Wis., Forestry
 Arthur Romness Peterson, Owatonna, Fish and Wildlife Management
 Marlys Louise Prigge, Minneapolis, Home Economics
 Lawrence Edward Rosberg, Excelsior, Agriculture
 Kenneth Warren Sahlin, Duluth, Forestry
 Robert Harold Sallstrom, Winthrop, Agriculture
 Weldon Alexander Smith, Milroy, Agriculture
 Florence Marie Strauel, Minneapolis, Home Economics
 Lawrence Russell Streif, Clear Lake, Wis., Agriculture
 Clifford Earl Tedmon, Minneapolis, Science Specialization
 Ervin Henry Tollefson, Bemidji, Agriculture
 Carol Jean Coan Trench, Minneapolis, Home Economics
 Richard William Trestail, Shafer, Forestry, WITH DISTINCTION

Walter Basil Wallin, Roseau, Forestry,
WITH DISTINCTION
Paul William Warner, Duluth, For-
estry
Erling Martin Weiberg, Barnum,
Agriculture

William Keith Whitcomb, Byron,
Agriculture
Robert Dean Young, Canton, Agri-
culture
Roland Ingward Zeller, Zumbrota,
Agriculture

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE AND COLLEGE OF EDUCATION

Bachelor of Science

Mary Ann Altringer, Eckelson, N. D.,
Home Economics Education
Ben Eric Broberg, Milaca, Agricultural
Education
R. Joseph Clifford, Caledonia, Agri-
cultural Education
Henry Charles Hammer, B.S., Wood
Lake, Agricultural Education
Rosemarie C. Hart, St. Paul, Home
Economics Education
Marilyn-Iola Ruth Herfindahl, Minne-
apolis, Home Economics Education
Edward Adolph Januschka, Little
Falls, Agricultural Education
Selmer Kermit Kittelson, Louisburg,
Agricultural Education

Harold Albert Loyd, Minneapolis,
Agricultural Education
Jay Warren Midtlyng, Two Harbors,
Agricultural Education
Maren Elizabeth Feddersen Newhall,
Minneapolis, Home Economics
Education
Harald Jorgen Petersen, Alden, Agri-
cultural Education
Helen Gloria Reed, Hopkins, Home
Economics Education
Anne Santrach, Calumet, Home Eco-
nomics Education
Ralph Arthur Stock, A.A., Appleton,
Agricultural Education
Mary Monica Yetzer, Farmington,
Home Economics Education

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE AND SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Agricultural Business Administration

Dale Willis Anderson, Milan
Robert Alfred Bergersen, Duluth,

LeRoy Howard Christeson, Clinton

COLLEGE OF EDUCATION

Bachelor of Science

- Richard Henry Acker, Dayton, Ohio
Robert Allen Adams, Chicago, Ill.
Carl Roger Ahlman, A.A., St. Paul
Richard George Sumner Albee, B.A.,
M.A., Minneapolis
Muriel Kathleen Amdahl, G.N., Car-
pio, N.D., WITH DISTINCTION*
Henrietta Natalie Ammondson, An-
sonia, Conn., WITH DISTINCTION*
Shirley Elaine Anderson, Monticello
William Law Archbold, St. Paul
Rex Edwin Armstrong, Minneapolis
Val Earl Arnsdorf, New Ulm
Richard John Baken, Minneapolis
Frank B. Baker, Mankato
Ruth Geraldine Mack Barker, Minne-
apolis
Georgia Irene Bartlett, St. John,
Kans.*
Martin Hugh Best, St. Paul
William James Blair, South St. Paul
VernaMae Blomquist, St. Paul*
Gladys Marie Borman, R.N., Minne-
apolis, WITH DISTINCTION*
Betty Lou Brown, Duluth
Roland George Buchman, Spooner,
Wis.
Richard William Bylund, A.A., Min-
neapolis
Carmen Charles Caruso, A.A., St. Paul
Margaret Jeanne Chard, St. Paul
June Elaine Crowley, R.N., Minne-
apolis*
James Joseph Daly, St. Paul, WITH
DISTINCTION
Phyllis Mary Davidson, Minneapolis
Mary Alexia Demopoulos, Minne-
apolis, WITH DISTINCTION
John Robert Devitt, St. Paul, WITH
DISTINCTION
Paul John DeWahl, Minneapolis
Panagiotos Allan Dionisopoulos, B.A.,
St. Paul
Thusnelda Ida Doering, Gaylord,
WITH DISTINCTION
Donald David Eblen, Oslo
Roberta Ruth Ellison, Northfield
Vernon Evan Faaberg, Madison
Renee Bjorklund Fetzer, Minneapolis,
WITH DISTINCTION
Ora Barnes Fisher, Rochester
James Peter Fotia, Minneapolis
Ronald Chester Fraser, Northbrook,
Ill., WITH HIGH DISTINCTION
Robert Lawrence Fricke, Minneapolis
Thomas William Gannaway, St. Paul
David Getzkin, Minneapolis
Michael Jerome Gooley, Minneapolis
Ralston Gaylord Gunvaldson, Star-
buck
William Richard Harmer, Mankato
Lloyd Arthur Hauge, B.A., Minne-
apolis
Doris Ann Christeson Henry, Clinton,
WITH DISTINCTION
Robert Halloran Hillstead, Interna-
tional Falls
Donald John Martin Hoff, Minne-
apolis
Doris Anne Southard Holmes, R.N.,
Clarion, Iowa*
Jeannette Ellen Houle, Forest Lake
Milton Martyn Hustad, St. Paul, WITH
DISTINCTION
Vernon Earle Indehar, St. Paul, WITH
DISTINCTION
Earl Duane Jacobsen, B.S.L., Albert
Lea, WITH DISTINCTION
John Lloyd Jensen, Zim
Melvyn Richard Johnson, Minneapolis
George Katagiri, Minneapolis
Stanley Benjamin Kegler, South St.
Paul, WITH DISTINCTION
Rudolph Waino Kivimaki, A.A., Eve-
leth
Gerald Victor Knippenberg, Minne-
apolis
Ruben Eli Komanti, Duluth
Martin Francis Laracy, Rush City,
WITH DISTINCTION
Robert Joseph Leeman, St. Paul
Willard Nicholas Leuthauser, Minne-
apolis

* Nursing Education Curriculum.

*Shirley Miller Lysne, Crookston, WITH
DISTINCTION*
George Masko, Reno, Nev.
Rita McNamara, Minneapolis
Frederick Joseph Moore, Minneapolis
*William Stewart Motter, Defiance,
Ohio*
*Helen Marie Murphy, Lakefield, WITH
DISTINCTION*
Miriam Nosowsky, A.A., St. Paul
Vincent Joseph Nowak, Duluth
*Edgar James Olson, Minneapolis,
WITH DISTINCTION*
Lorraine Mildred Olson, Brainerd
*Catherine Minke O'Neill, Toledo,
Ohio, WITH DISTINCTION**
*Esther Vind O'Neill, Long Beach,
Calif.*
Michael Anthony Pappone, Virginia
*Lucille Viola Paulson, Grand Forks,
N.D., WITH DISTINCTION**
Betty Jane Peterson, Winona
Howard Collins Pierce, Minneapolis
Donald R. Poeschl, St. Paul
*James Virden Powell, Osakis, WITH
DISTINCTION*
*Alan Emil Rasmussen, B.A., Minne-
apolis*
*Lavern V. Rasmussen, Spooner, Wis.,
WITH DISTINCTION*
James William Remund, Waseca

Ellery Alden Roberts, Fergus Falls
*Joanne Monson Satterlee, Litchfield,
WITH DISTINCTION*
*Beverley Rose Schoen, Minneapolis,
WITH DISTINCTION*
Earl George Schwappach, Minneapolis
James Peter Slater, Blue Earth
Robert Collins Slater, Minneapolis
Donald Arthur Snow, Minneapolis
*John Martin Socha, Minneapolis,
WITH DISTINCTION*
Roger Eugene Sorensen, Askov
Lee Daniel Stark, A.S., B.A., Brainerd
*Mary Margaret Stevenson, Minne-
apolis*
Evelyn Ann Stone, Glenwood
*Howard Sherman Swanson, Minne-
apolis, WITH DISTINCTION*
Catherine Mary Tetzloff, Wayzata
*Gertrude Louise Thompson, Detroit
Lakes, WITH DISTINCTION*
Thomas Gerald Tollifson, Albert Lea
Claire Beck Tumpach, St. Paul
*Leonard Charles Tysver, Fergus Falls,
WITH DISTINCTION*
Rudolph Howard Voxland, Kenyon
*Mary Ruth Burch Whitman, G.N.,
Minneapolis, WITH DISTINCTION**
*Gertrude Pauline Willems, Heron
Lake*
Robert John Winship, Minneapolis

Master of Education

John William Corchran, B.S., Winona
*Richard Julius Jorgensen, B.S., Minne-
apolis*

*Frank Maurice Kloxin, B.A., Sioux
Falls, S.D.*

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

John Arthur Anderson, Minneapolis
LaVerne Roger Anshus, Minneapolis
Nolan Douglas Asleson, Lengby
James Edward Baker, Minneapolis
*William H. F. Baker, Traverse City,
Mich.*
John Lewis Bakke, Minneapolis
*Lawrence Donald Beckman, Minne-
apolis*

Howard Willis Bishop, St. Paul
*Donald Clinton Borrman, Minne-
apolis*
Robert William Braum, Minneapolis
Frank Bydlon, Minneapolis
Francis Louis Callender, St. Paul
Charles William Carlson, Marshall
*Louis Milton Chamberlain, B.Ch.E.,
Minneapolis*

* Nursing Education Curriculum

Harley Anton Christensen, Minneapolis
 Ronald Howard Christiansen, St. Paul
 Jean Lois Dunn, St. Paul
 Gene Robert Engelson, St. Paul
 George Henry Esoph, Miller, S.D.,
 WITH DISTINCTION
 Norman Keith Fall, Minneapolis
 Edwin William Fierke, Jr., Minneapolis
 Richard James Flynn, Minneapolis
 George Wallace Fox, Duluth
 Roger Franklin Fraley, Minneapolis
 Arnold Earl Freerks, Minneapolis
 Chandler French, St. Paul
 Mary Louise Fueger, Little Falls
 Ralph Coggan Glidden, Minneapolis
 Lester Stanley Goldblatt, Minneapolis
 Adeline Elizabeth Gran, Minneapolis
 Robert Arnold Gustafson, Minneapolis
 Kenneth Ray Haas, Minneapolis
 Kenneth Marion Hall, Hibbing
 Richard Isaac Halvorsen, Minneapolis
 Arland Jerome Haugen, Stanton
 Harris Kervin Haugen, Stanton
 Clifford Curtiss Heir, Minneapolis,
 WITH HIGH DISTINCTION
 Frederick Waldemar Held, Minneapolis
 Peter Henningsen, Jr., St. Louis Park
 Richard Page Hodgson, Duluth
 Bennett Horne, A.A., St. Paul
 Eugene Wallace Hoysler, A.A., Lambert
 Richard Alden Hudson, Minneapolis
 James Edward Huettl, Mankato
 Donald Edward Jensen, Worthington
 Anselm Johnson, Minneapolis
 LeRoy Albert Johnson, Minneapolis
 Rodney Kay Johnson, Jackson
 James Fredrick Kaiser, Bagley
 John M. Keprios, Pequot Lakes
 Nicholas Francis Kummer, Minneapolis
 Larry Dennis Landstrom, Minneapolis
 Arthur Lee Langendorf, Minneapolis
 Merle Paul Larson, Fosston
 Philip Allen Larson, Braham
 Richard William Larson, Minneapolis
 Wilbur Evans Lee, Minneapolis
 John Christ Legeros, Minneapolis
 Robert Earl Levendusky, Minneapolis
 Charles Edwin Lindberg, St. Paul
 Leonard Dwight Lindborg, Minneapolis
 George Donald Loeffers, Hector
 James Joseph Lommel, Minneapolis
 John Terrence Lynch, Cloquet
 Robert Gordon Macken, Rochester
 Martin Leo Marentic, A.A., St. Paul
 Robert Edward Marrinan, St. Paul
 William Keating Marrinan, St. Paul
 Richard Calvin Marshall, Sebeka
 Anita Bernice Mattson, New Rock-
 ford, N.D.
 Charles William Mayfield, Jr., Minne-
 apolis, WITH DISTINCTION
 John Bernard McGee, Minneapolis
 Francis Gayton Merrill, Riverdale,
 N.D.
 Calvin Carl Minke, Long Prairie
 Thomas Norman Monahan, Minne-
 apolis
 James Leo Murphy, Minneapolis
 Jarl James Natwick, Ada
 Elton Morris Nelson, Henning
 Ivan LaVon Norlander, Rochester
 Paul Edward Ohnesorge, Minneapolis
 William F. Olsen, St. Paul
 Dale Marvin Olson, Callender, Iowa
 Sidney Victor Orenstein, Minneapolis,
 WITH DISTINCTION
 Walford S. Pakko, Nashwauk
 Arthur Frank Perlin, Minneapolis
 George John Rahlf, Jr., A.A., St. Paul
 Richard Astor Rammer, B.Ch.E.,
 Sheboygan, Wis.
 John Laurence Relf, St. Paul
 Howard Roy Revak, Minneapolis
 William Cusack Riley, Minneapolis
 Donald Henry Rogers, Minneapolis
 Donald Lawrence Rosquist, Lilliwaup,
 Wash.
 Donald Edwin Ruben, Alma, Wis.,
 WITH DISTINCTION
 Norman Arthur Scarr, Crookston
 Lester Allen Schwartz, Minneapolis
 Robert Harry Siefert, Deer River
 Arnold Baker Singer, Minneapolis
 Orlan Garfield Skare, Bagley
 Harold George Skiem, Litchfield
 Joseph Alden Sletvold, Detroit Lakes

Lorenz Earl Stelzner, St. Paul
 Roger Warren Stillwell, Minneapolis
 John Henry Stout, Minneapolis
 James Lowell Stuber, Duluth
 Emil Gustaf Sulander, Minneapolis
 Donald Nels Swenson, St. Louis Park
 Paul Thomas, Minneapolis
 Richard Dennis Thorke, Duluth
 Donald Cyril Tift, Glencoe
 Merlyn Ben Timmerman, Hibbing
 Franklin Robert Tomaschko, A.A.,
 Austin
 Arvid Sigvald Tveit, Mahanomen
 Caryl Emory Twitchell, Jr., Owatonna

Joseph John Unger, St. Paul
 Bernard Anthony Virginia, Marble
 La Verne Veronica Vorachek,
 Lankin, N.D.
 Dennis Stephen Waibel, Minneapolis
 Edward Wayne White, Minneapolis
 George Henry Wilcox, Mankato
 Earl Lorenz Willems, Warroad
 Donald Edward Wintz, St. Paul
 Seymour Lancen Woodruff, Jr.,
 St. Paul
 Donald Joseph Wujcik, A.S., Virginia,
 WITH DISTINCTION
 Gilbert Bartholomew Zbasnik, Ely

Bachelor of Science in Economics

Joseph Robert Ashcraft, Las Animas,
 Colo., WITH HIGH DISTINCTION

Frank Glen Seidel, Minneapolis, WITH
 DISTINCTION
 Rodney Dale Wicklund, Duluth

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

David Love, Duluth

LAW SCHOOL

Bachelor of Science in Law

Robert William Brehmer, Winona
 John Arthur McNiff, Minneapolis
 Melvin Robert Mooty, Worthington

Paul Arnold Skjervold, Westbrook
 Wayne Alan Wentworth, Minne-
 apolis

Bachelor of Laws

Leo Dorfman, B.B.A., Minneapolis
 George Everhart Harding, B.A.,
 Minneapolis

Frederick Burton Hobe, B.A., Minne-
 apolis

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing†

Betty Lou Harrison Malmberg,
 Hibbing
 Betty Lou Miller, Romeo, Mich.

Betty Berry Swanson, Deadwood,
 S.D.

† These degrees are conferred subject to the satisfactory completion of nursing practice prior to June 10, 1950.

Bachelor of Science

- Margaret Hildegard Andreen, St. Paul, Medical Technology*
- Jeanne Mardelle Axelson, Minneapolis, Public Health Nursing
- Valerie Rozmark Cantlon, St. Cloud, Public Health Nursing
- Ruth M. Engst, St. Paul, Medical Technology*
- Ruth Mary Fisher, Mason City, Iowa, Public Health Nursing, WITH HIGH DISTINCTION
- Florence Luella Flink, Taylors Falls, Public Health Nursing
- Janie Ann Fredrickson, Duluth, Medical Technology*
- Anne Kristine Hauge, Clarkfield, Medical Technology*
- Harriet Isobel Hillerman, Minneapolis, Medical Technology*
- Jacquelyn Hildur Holberg, Minneapolis, Medical Technology*
- Ruth Ann Kuhlman, Faribault, Medical Technology*
- Dorothy Grace Krueger, Sheldon, N.D., Public Health Nursing, WITH DISTINCTION
- Betty Lou Harrison Malmberg, Hibbing, Public Health Nursing
- Joan Alice Marshall, R.N., Wichita, Kans., Public Health Nursing
- Jeanette Annabel Mason, Bismark, N.D., Public Health Nursing
- Amity Louise Porter, B.A., Hoople, N.D., Public Health Nursing, WITH DISTINCTION
- Rita Anne Pottner, Minneapolis, Medical Technology*
- Majel Ann Risser, B.A., Owatonna, Medical Technology*
- Margaret Ann Simpson, Wilmette, Ill., Public Health Nursing, WITH DISTINCTION
- Mary Louise Stokes, St. Paul, Public Health Nursing
- Betty Berry Swanson, Deadwood, S.D., Public Health Nursing

Master of Public Health

- Dean M. Taylor, B.ChE., Minneapolis
- John Ernest Olsen, B.S., Lynden, Wash.

GRADUATE SCHOOL

Master of Arts

- Donald Arthur Benschoter, Northfield
B.E. '37, Mankato State Teachers College.
Field of Concentration: Educational Psychology.
- Dean Vincent Berry, Minneapolis
B.S. '48, University of Minnesota. Field of Concentration: Educational Psychology.
- Selma Christine Blessin, Minneapolis
B.S. '23, University of Minnesota. Field of Concentration: Education.
- Bonnie Mary Boyd, Minneapolis
B.A. cum laude '44, University of Minnesota.
Field of Concentration: Psychology.
- Wesley Caspers, Minneapolis
B.S. '40, Superior State Teachers College.
Field of Concentration: Educational Administration.
- Lien Chao, Yi-Chuan, Honan, China
LL.B. '45, National Hunan University (China). Field of Concentration: Economics.
- Mary Evelyn Cole, Minneapolis
B.S. '44, University of Minnesota. Field of Concentration: Art.
- Lillian Scholljegerdes Davies, Waseca
B.S. '44, Mankato State Teachers College.
Field of Concentration: Curriculum and Instruction.

* These degrees are conferred subject to the satisfactory completion of required practical work prior to June 10, 1950.

Roy Joseph Dowling, Winnipeg,
Manitoba, Canada

B.S. (Honours) '46, University of Manitoba.
Field of Concentration: Mathematics.

Jeanne Louise Dulebohn, Minneapolis
B.A. *magna cum laude* '43, Bryn Mawr College. Major: History. Minor: French. Thesis: The Buligin Duma: February-September, 1905.

Sigrid Josephine Georgesen, Duluth
B.Ed. '38, Superior State Teachers College. Major: Curriculum and Instruction. Minor: Educational Administration. Thesis: A Study of the Effect of Independent and Free Reading on Stanford Achievement Test Scores.

Harold Arthur Goltz, St. Paul
B.A. '45, Macalester College. Field of Concentration: Educational Administration.

George S. Hage, Minneapolis
B.A. *magna cum laude* '38, University of Minnesota. Field of Concentration: Journalism.

Fredrick Stang Hallanger, St. Paul
B.A. '24, Concordia College. Major: Anthropology. Minor: Linguistics and Comparative Philology. Thesis: The Malagasy Language.

George Robert Healy, Brownsville
B.A. '48, Oberlin College. Major: History. Minor: Political Science. Thesis: Charlevoix's Histories of the New World: A Study of Exotic Radicalism.

Catherine Rose Hogan, Brainerd
B.S. '30, University of Minnesota. Field of Concentration: Social Work.

Marvin Lynn Johnson, Rochester
B.A. '38, North Dakota State Teachers College. Field of Concentration: Educational Psychology.

Oscar Elden Johnson, Minneapolis
B.A. '48, University of Minnesota. Major: Anthropology. Minor: Sociology. Thesis: Kinship in a Contemporary Yanktonai-Dakota Indian Community.

Patricia Lonegran Kane, St. Paul
B.A. '47, Macalester College. Field of Concentration: American Studies.

Maxwell Edward Kettner, Winnipeg,
Manitoba, Canada
B.S. (Honours) '42, University of Manitoba.
Field of Concentration: Physics.

Ingrid Christensen Kildegaard, Stamford, Conn.

B.A. '36, Michigan State Teachers College.
Field of Concentration: Statistics.

Mary Christine Kolstad, Minneapolis
B.S. '36, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Eugene John Kosy, Wausau, Wis.
B.Ed. '42, Whitewater State Teachers College (Wisconsin). Field of Concentration: Curriculum and Instruction.

Mom Luang Boonlua Kunjara, Bangkok, Siam
B.A. '37, Chulalongkorn University (Bangkok, Siam). Field of Concentration: Education.

Robert Tallant Laudon, Minneapolis
B.A. *magna cum laude* '47, University of Minnesota. Major: Music. Minor: Psychology. Thesis: Poetry and Music of the Polyphonic Chanson, circa 1520-1535.

Richard Budworth Lee, Rochester
B.S. '48, University of Minnesota. Field of Concentration: Educational Psychology.

David Reed Lewis, St. Cloud
B.S. '46, St. Cloud State Teachers College.
Field of Concentration: Mathematics.

Ayers McGrew, Mankato
B.A. '40, University of Minnesota. Field of Concentration: Speech.

Dorothy Josephine Modena, Montrose, S.D.
B.A. '46, University of Minnesota. Field of Concentration: Social Work.

Elizabeth Catherine Morrow, Washington, D.C.
B.A. '31, M.A. '32, George Washington University. Field of Concentration: Educational Psychology.

Donald Richard Norland, Kensett, Iowa
B.A. '48, University of Minnesota. Major: Political Science. Minor: History. Thesis: Politics of the Third Force.

Irving Glen Nudell, Minneapolis
B.A. *cum laude* '48, University of Minnesota.
Field of Concentration: Psychology.

Dorothy Ramsland, Wayzata
B.A. '27, Hamline University. Field of Concentration: English.

Hans George Reif, Niagara Falls, N.Y.
B.A. '49, University of Buffalo. Field of Concentration: Economics.

Lorraine Rebecca Schueller, Fulda
B.A. '45, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Joseph Michael Stefanko, Superior, Wis.
B.S. with honors '42, Superior State Teachers College. Field of Concentration: Educational Administration.

Margaret Lang Stevens, Minneapolis
B.Ed. '42, Superior State Teachers College. Field of Concentration: Curriculum and Instruction.

Kalmer E. Stordahl, Minneapolis
B.S. '47, Bemidji State Teachers College. Field of Concentration: Educational Psychology.

Chi Fang Tang, Wuchang, China
B.A. '45, Central University (Nanking, China). Field of Concentration: History.

John William Ward, Minneapolis
B.A. cum laude '47, Harvard College. Field of Concentration: American Studies.

Master of Arts in Public Administration

Dwight Albert Ink, Ames, Iowa
B.S. '47, Iowa State College. Field of Concentration: Public Administration.

Master of Business Administration

Keith Wickwire Davidson, St. James
B.M.E. '48, University of Minnesota. Field of Concentration: Business Administration.

Thomas Michael Mullen, St. Paul
B.B.A. '47, University of Minnesota. Field of Concentration: Business Administration.

James Gray Peterson, St. Paul
B.Aero.E. '42, University of Minnesota. Field of Concentration: Business Administration.

Lauri Dehn Tiala, Moose Lake
B.Ch. '46, University of Minnesota. Field of Concentration: Business Administration.

Master of Science

Heinz Bruno Arnold, Minneapolis
B.S. '47, St. John's University. Field of Concentration: Organic Chemistry.

Douglas Barnes, Bindloss, Alberta, Canada
B.Sc. '46, University of Alberta. Major: Entomology. Minor: Botany. Thesis: Low Temperature Tolerance of the European Corn Borer (*Pyrausta nubilalis*, Hubn.) in Relation to Winter Survival in Minnesota.

Charles McMurray Braden, Minneapolis
B.S. '39, Northwestern University. Field of Concentration: Physics.

Victor Herman Clausen, Jr., Minneapolis
B.S. '46, University of Minnesota. Major: Forestry (Wood Technology). Minor: Plant Pathology. Thesis: A Study of the Heartwood of Several Species of the Genus *Populus*.

James Fulton Kenny Duff, Winnipeg, Manitoba, Canada
B.Sc. '43, University of Manitoba. Field of Concentration: Physics.

Byron Junius Gibbs, St. Paul
B.S. '46, College of St. Thomas. Field of Concentration: Zoology.

Philip Newton Gordon, Minneapolis
B.S. in Ch. '42, Brooklyn Polytechnic Institute. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: Cyclization of Some Substituted Tetralins.

Richard Emerson Halsted, Minneapolis
B.A. with high distinction '47, DePauw University. Major: Physics. Minor: Mathematics. Thesis: Mass Spectrometer Gas Inlet Systems.

Wayne Harvey Hanson, Caledonia
B.S. '33, University of Wisconsin. Field of Concentration: Agronomy.

Stuart Edward Jenness, Ottawa, Ontario, Canada

B.Sc. '48, Queen's University. Major: Geology. Minor: Metallurgy. Thesis: Hydrothermal Alterations at the Bordulac Gold Mine, Quebec.

Louis Grant Kelly, Clemson, S.C.

B.S. '37, Clemson Agricultural College. Field of Concentration: Mathematics.

Janet Deutsch Leaf, Minneapolis

B.A. magna cum laude '46, University of Minnesota. Field of Concentration: Plant Genetics.

Frank A. Loewus, Duluth

B.S. '42, University of Minnesota. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: The Titration Curves of Electrolyzed Starches in Relation to Their Non-carbohydrate Constituents.

Shih-I Lu, Peking, China

B.S. '43, National University of Yunnan. Major: Plant Pathology. Minor: Plant Genetics. Thesis: Cultural Characters of *Ustilago zae* mutants.

Lorraine Berniece Monteith, Duluth

B.S. '43, Duluth State Teachers College. Major: Agricultural Biochemistry. Minor: Bacteriology. Thesis: Studies on the Sulfhydryl Groups of Milk Serum Protein.

Rafael Antonio Olivencia, Rio Piedros, Puerto Rico

B.S. in Agric. '48, University of Puerto Rico. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Smut Reaction of Inbred Lines of Corn in Relation to Their Combining Ability in Top Crosses.

Ione Jean Alohilani Rathburn, Honolulu, T.H.

B.Ed. '48, University of Hawaii. Field of Concentration: Public Health.

Lyle James Schoonover, Omamee, N.D.

B.S. with distinction '48, University of Minnesota. Major: Economic Zoology. Minor: Botany. Thesis: A Study of the Raccoon (*Procyon lotor hirtus* Nelson and Goldman) in North-Central Minnesota.

Philip Ralph Teske, Rochester

B.S. with distinction '47, University of Minnesota. Field of Concentration: Agricultural Education.

Malcolm Pickett Weiss, Minneapolis

B.B.A. '47, University of Minnesota. Field of Concentration: Geology.

Chu-Yuan Wu, Shanghai, China

B.S. '36, National University of Chekiang. Field of Concentration: Agricultural Economics.

William Chong-loh Wu, Nanking, China

B.S. '40, University of Nanking. Major: Forestry (Wood Technology). Minor: Agricultural Biochemistry. Thesis: The Pulping Properties of Decayed Aspen Wood (*Populus tremuloides*, Michx.) Infected by *Fomes ignarius* (L.), Gill. by Soda Process.

Oscar C. Zoebisch, Albany

B.S. '46, University of Minnesota. Major: Plant Genetics. Minor: Botany. Thesis: An Inheritance and Morphological Study of Brittleness of Node in Maize.

Master of Science in Aeronautical Engineering

Douglas Bonde Engum, St. Paul

B.Aero.E. '47, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Didrik Christian Hveding, Oslo, Norway

B.Aero.E. with distinction '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Paul Kjølsseth, Toten, Norway

B.Aero.E. '48, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: The Buckling of Sandwich Panels of Orthotropic Material.

Benjamin Phillip Martin, Ladysmith, Wis.

B.Aero.E. '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Sheldon Schwartz, New York, N.Y.

B.Aero.E. '48, New York University. Field of Concentration: Aeronautical Engineering.

Master of Science in Civil Engineering

Edmond Edouard Chapus, Nimes,
France
Graduate '48, Ecole Nationale Supérieure des
Mines. Major: Civil Engineering. Minor:
Mathematics and Mechanics. Thesis: Entrance
Losses in Short Circular Conduits.

Allen Ernest Cox, Minneapolis
B.C.E. '48, University of Minnesota. Major:
Civil Engineering (Soil Mechanics). Minor:
Civil Engineering (Hydraulics). Thesis: An
Investigation of the Bearing Power of Frozen
Soils.

Master of Science in Dentistry

James Robert Jensen, Minneapolis
B.A. '44, D.D.S. '46, University of Minnesota.
Major: Dentistry. Minor: Bacteriology. Thesis:
The Histological Effects of Carboxy-Methyl-
Cellulose, Petrolatum, and Penicillin on the
Rate of Bone Regeneration in Guinea Pigs,
and the Radiographic Survey Following Peri-
apical Curettage in Clinical Cases.

Master of Science in Mechanical Engineering

Edwin George Albrecht, St. Louis
Park
B.M.E. with distinction '41, University of
Minnesota. Major: Mechanical Engineering.
Minor: Mathematics. Thesis: Determination
of Impact Stresses by Theoretical and Exper-
imental Analysis.

John Worrall Berkman, Rochester
B.M.E. '49, University of Minnesota. Major:
Mechanical Engineering (Machine Design).
Minor: Mechanical Engineering (Internal
Combustion Engines). Thesis: Dynamic
Balancing by Electrical Networks

Bryce John Fox, Van Hook, N.D.
B.S.M.E. '43, University of North Dakota.
Major: Mechanical Engineering (Internal
Combustion Engines). Minor: Electrical En-
gineering. Thesis: Water and Alcohol-Water
Mixtures as Internal Coolants.

Charles David Maytum, Rochester
B.M.E. with distinction '48, University of
Minnesota. Major: Mechanical Engineering
(Machine Design). Minor: Mechanical En-
gineering (Internal Combustion Engines).
Thesis: Magnetic Noise Analysis.

Barnard Elliot Smith, Minneapolis
B.M.E. with distinction '49, University of
Minnesota. Major: Mechanical Engineering.
Minor: Mathematics and Mechanics. Thesis:
Dynamic Pressure Measurements in a Journal
Bearing.

Master of Science in Medicine

Paul Joseph Bilka, New York, N.Y.
B.S. '40, Trinity College; M.D. '43, Columbia
College. Major: Medicine. Minor: Pathologic
Anatomy. Thesis: Pathological Anatomy of the
Heart in Myxedema.

Master of Science in Neurosurgery

John Arthur Hetherington, Indianapolis, Ind.

B.A. '41, M.D. '43, University of Indiana.
Major: Neurosurgery. Minor: Neuropathology.
Thesis: Gasserian Ganglion Tumors.

Master of Science in Obstetrics and Gynecology

John Edwin Faber, Watertown, Wis.

B.A. '32, M.D. '32, University of Wisconsin.
Major: Obstetrics and Gynecology. Minor:
Surgical Pathology. Thesis: Virilizing Solid
Ovarian Tumors.

Master of Science in Pediatrics

John Franklin Drumheller, Sunbury, Pa.

B.A. '40, Susquehanna University; M.D. '43,
Temple University. Major: Pediatrics. Minor:
Physiology. Thesis: Electro-encephalographic
Study of Convulsive Disorders in Children.

Master of Science in Urology

Joseph Harold Kaplan, Chicago, Ill.

B.S. '37, M.D. '37, University of Illinois.
Major: Urology. Minor: Surgical Pathology.
Thesis: Multicentric Origin of Papillary Tumors
of the Urinary Tract.

Master of Social Work

Rose Elizabeth Snyder, Bottineau, N.D.

B.A. '35, University of North Dakota. Field of
Concentration: Social Work.

Doctor of Philosophy

Eli Donald Besser, Minneapolis

B.Ch.E. '37, M.S. in Ch.E. '41, University
of Minnesota. Major: Chemical Engineering.
Minor: Biochemistry. Thesis: An Experimental
Study of Dielectric Drying. Major Adviser:
Prof. E. L. Piret.

Claude Wesley Bice, St. Paul

B.S. '40, M.S. '43, Kansas State College.
Major: Agricultural Biochemistry. Minor: Bacteriology.
Thesis: A Study of Certain Biochemical
Changes Occurring in Bread during Storage.
Major Adviser: Prof. W. F. Geddes.

Carl Emanuel Carlson, St. Paul

B.A. '27, University of Alberta; M.A. '32,
University of Minnesota. Majors: History and
Education. Thesis: The Adjustment of the
Swedish Immigrants to the American Public
School System in the Northwest. Major Adviser:
Prof. A. C. Krey.

Robert Louis Collin, Alfred, N.Y.

B.S. *cum laude* '45, Alfred University; M.S.
'45, University of Illinois. Major: Physical
Chemistry. Minor: Physics. Thesis: The Crystal
Structures of Hydrazine and Hydrogen Peroxide.
Major Adviser: Prof. W. N. Lipscomb.

Henry Damon Colson, Bemidji

B.A. *magna cum laude* '41, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: An Existence Theorem for a Generalized Riemann-Stieltjes Integral. Major Adviser: Prof. R. H. Cameron.

Ramachandra Narayan Desai, Savant-Wadi, India

G.B.V.C. '36, Bombay Veterinary College; A.I.D.R.I. '42, Indian Dairy Research Institute; M.S. '48, Michigan State College, Major: Animal Husbandry. Minor: Plant Genetics. Thesis: An Estimation of Heritability of Fertility in Sheep. Major Adviser: Prof. L. M. Winters.

George Edmund Peter Eastwood, Spiritwood, Saskatchewan, Canada

B.E. '44, University of Saskatchewan. Major: Geology. Minors: Physics and Mathematics. Thesis: The Origin and Geologic History of the Snake Rapids Pluton, Saskatchewan. Major Adviser: Prof. G. M. Schwartz.

Abram W. Epp, Lincoln, Neb.

B.Sc. in Agric. '33, M.A. '37, University of Nebraska. Major: Agricultural Economics. Minor: Economics. Thesis: An Analysis of Adjustments in Farm Organization in Pawnee County, Nebraska, to Meet Soil Conservation Needs. Major Adviser: Prof. G. A. Pond.

Walter Frank Johnson, Jr., Okemos, Mich.

B.S. with distinction '40, M.A. '42, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: A Study of the Efficiency of Certain Factors for Predicting Achievement of Veterans at the Junior College Level in the College of Science, Literature, and the Arts at the University of Minnesota. Major Adviser: Prof. C. G. Wrenn.

Warren Frederick Johnson, Minneapolis

B.A. '41, University of Oklahoma. Major: Physical Chemistry. Minor: Analytical Chemistry. Thesis: An Investigation of the Kinetics of Reactions in Detergent Solutions. Major Adviser: Prof. L. I. Smith.

William Frederick Kelley, Milwaukee, Wis.

B.A. *cum laude* '36, Ph.L. '38, M.A. '39, S.T.L. '46, St. Louis University. Major: Educational Administration. Minor: Educational Psychology. Thesis: The Inservice Improvement of College Instruction in Catholic Colleges for Women. Major Adviser: Prof. M. G. Neale.

Keh-shing Koo, Kiating, Kiangsu, China

B.S. '38, Nantung University. Major: Plant Genetics. Minor: Plant Physiology. Thesis: Inheritance of Reaction to Stem Rust and Other Characters in Crosses of Timstein with Thatcher, Newthatch and Mida. Major Adviser: Prof. H. K. Hayes.

Abraham Seth Levine, New York, N.Y.

B.A. '41, State University of Iowa; M.A. '47, University of Minnesota. Major: Psychology. Minors: Educational Psychology and Biostatistics. Thesis: A Psycho-Analogs Test as an Evaluation Instrument for Psychology Students. Major Adviser: Prof. D. G. Paterson.

Song-Seng Liou, Wusih, Kiangsu, China

B.S. '43, National Central University; M.S. '46, Cornell University. Major: Agricultural Economics. Minors: Economics and Sociology. Thesis: Possibilities of Improving the Chinese Agricultural Situation through Industrialization. Major Adviser: Prof. O. B. Jesness.

Oscar William Muckenhirn, Minneapolis

B.S. '38, M.S. '38, Massachusetts Institute of Technology. Major: Electrical Engineering. Minor: Mathematics. Thesis: An Investigation of Ferro-Impregnated Plastic Tapes, with Especial Reference to Magnetic Recording and Reproduction. Major Adviser: Prof. H. E. Hartig.

Robert Spencer Mullin, Norfolk, Va.

B.S. '34, Hampden-Sydney College; M.S. '37, Virginia Polytechnic Institute. Major: Plant Pathology. Minor: Botany. Thesis: Stem Rust in Virginia. Major Adviser: Prof. E. C. Stakman.

Akira Omachi, Minneapolis

B.A. '44, University of Buffalo. Major: Physiology. Minor: Physiological Chemistry. Thesis: Studies in Intermediary Metabolism with the Use of Isotopic Carbon. Major Adviser: Prof. M. B. Visscher.

Chowdhry Mohammad Rafique, Lahore, Pakistan

B.Sc. '33, M.Sc. '34, Punjab University. Major: Agricultural Biochemistry. Minor: Bacteriology. Thesis: Studies on the Constitution of the Polysaccharides of Guar Gum. Major Adviser: Prof. Fred Smith.

Arthur Rae Reynolds, Greeley, Colo.
B.A. '37, Pennsylvania State Teachers College;
M.A. '43, University of Minnesota. Major:
History. Minor: Geography. Thesis: Wisconsin
Lumbering Frontier: The Daniel Shaw Lum-
ber Company. Major Adviser: Prof. E. S.
Osgood.

Irving Simos, St. Paul
B.A. '43, M.A. '44, University of Minnesota.
Major: Psychology. Minor: Neuropsychiatry.
Thesis: The Rosenzweig PF Study as Used
with Psychiatric Patients. Major Adviser: Prof.
P. E. Meehl.

Christopher Harold Stone, Pasadena,
Calif.

B.A. '35, Pasadena College; M.A. '38, Uni-
versity of Southern California. Major: Psychology.
Minor: Educational Psychology. Thesis: A
Personnel Study of Newspapermen. Major
Adviser: Prof. D. G. Paterson.

Babette Taylor, Kansas City, Mo.

B.A. '44, Washington University; M.S. '45,
Yale University. Major: Zoology. Minor:
Botany. Thesis: Adaptation to Lactose Fer-
mentation in Yeast. Major Adviser: Prof.
H. B. Steinbach.

Orrin John Webster, Lincoln, Neb.

B.S. '34, M.S. '40, University of Nebraska.
Major: Plant Genetics. Minor: Plant Pa-
thology. Thesis: Genetics and Morphology of
Rachis Internode Length in Barley. Major
Adviser: Prof. C. R. Burnham.

Doctor of Philosophy in Medicine

Clifford Felix Gastineau, Pawnee,
Okla.

B.A. '40, M.D. '43, University of Oklahoma.
Major: Internal Medicine. Minor: Physiology.
Thesis: A Study of the Excretion of Chorionic
Gonadotrophin. Major Adviser: Dr. A. Albert.

CAPS AND GOWNS

AN EXPLANATION

In the medieval city, clothing not unlike that worn by those participating in this commencement was common. The modern academic costume has evolved from the dress of the medieval guilds and the early religious orders.

Today, everyone with a college or university degree may wear the black academic gown. Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. At the University of Minnesota, the lining of the hood has a maroon chevron on an old gold ground to represent the University colors. A University faculty member who holds a degree from another college or university wears the colors of his own alma mater.

Distinctions between sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a Bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a Master's degree. A round, open sleeve marks a Doctor's degree.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer. It may be white for Arts and letters, gold-yellow for Science, maize for Agriculture, Forestry, Home Economics, and Veterinary Medicine, or light blue for Education. Orange denotes Technology; dark blue, Philosophy; purple, Law; green, Medicine; and pink, Music. Public Health is shown by salmon pink edging, Dentistry by lilac, Pharmacy by olive, and Commerce and Accounting by drab.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve. The trimming may be either black or may match the color of the hood edging.

Caps, or mortarboards, too, have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidate is an honor student.

For the Master's and Doctor's degree, the tassels are always black, but candidates for the Bachelor's degree at this commencement wear tassels which indicate their school or college by color, as follows:

(In the order of their appearance on the platform)

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, Home Economics, and Veterinary Medicine	maize
College of Education.....	light blue
School of Business Administration.....	drab
College of Pharmacy.....	olive
Law School	purple
College of Medical Sciences.....	green
Graduate School.....	black



On the Eve of Its Centennial

THE
UNIVERSITY OF MINNESOTA

Announces Its

June Commencement

1950

MEMORIAL STADIUM

SATURDAY EVENING, JUNE 10

AT EIGHT O'CLOCK





University of Minnesota

THE BOARD OF REGENTS

Dr. James Lewis Morrill, President

Mr. William T. Middlebrook, Secretary

Mr. Julius A. Schmahl, Treasurer

The Honorable Fred B. Snyder, Minneapolis
First Vice President and Chairman

The Honorable Ray J. Quinlivan, St. Cloud
Second Vice President

The Honorable James F. Bell, Minneapolis

The Honorable Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable J. S. Jones, St. Paul

The Honorable George W. Lawson, St. Paul

The Honorable Albert J. Lobb, Rochester

The Honorable E. E. Novak, New Prague

The Honorable A. J. Olson, Renville

The Honorable Herman F. Skyberg, Fisher

The Honorable Sheldon V. Wood, Minneapolis

As a courtesy to those attending commencements in the Memorial Stadium, and with due regard to the solemnity of these occasions, be it resolved by the Board of Regents that there be printed in the programs of all commencements held in the Memorial Stadium a request that there be no smoking in the Stadium proper.

This Is Your University

The University of Minnesota: "FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING, DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR TRUTH, DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF THE STATE"—this is your University.

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota will next year celebrate its one hundredth birthday. While nearing this milestone, as from its very beginning, the University is dedicated to the task of training the youth of today, the citizens of tomorrow. How well it has succeeded is indicated by the number of doctors, lawyers, engineers, social workers, journalists, dentists, farmers, businessmen, and community and civic leaders in all fields—good citizens all—who have gone from its several campuses to actively participate in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded 101,344 degrees to its students who have completed the rigorous training demanded by the complexities and specialization of modern society.

In addition to the enormous task of giving collegiate instruction to some twenty-two thousand students on its Minneapolis, St. Paul, and Duluth campuses, the University offers, through its Schools of Agriculture, its General Extension Division, and its short courses, 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 demonstration agents, and recreation and health consultants give effective aid and assistance to citizens of the state in their very homes.

But the University of Minnesota, like all great universities, has expanded far beyond its early teaching and training programs. In its diverse research laboratories on its three campuses, at the several agricultural experiment stations, at the Rosemount Research Center, and at the University Hospitals, its scientists at any one moment are working on countless research experiments of vital interest to the future health and welfare of all of us. These projects deal with such matters as cancer, poliomyelitis, taxation, low-grade iron ore, cheese making, teacher training, municipal government, nuclear fission, new varieties and strains of grains and fruits, supersonics and transonics, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the Minneapolis Symphony, the University Artists Course, radio station KUOM, the University Theatre, and of the local performances of the Metropolitan Opera Company. Through the University of Minnesota Concert and Lecture Service and the School Assembly 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 because it is the second largest state university in the nation, but because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in their University is a dynamic, living thing and expresses itself in many ways. Contributions from them now make it possible for the great Mayo Memorial building and for the new Variety Club Heart Hospital to be erected over the coming months. Through the American Legion and auxiliary posts all over the state, thousands of friends have made relatively small gifts to provide an endowed research professorship in heart diseases. Gifts to the Greater University Fund, each appropriately called "A Share in Greatness," now being made especially by alumni, are worthy of special mention.

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 University Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

Order of Events *

THE ASSEMBLING OF THE AUDIENCE: As guests reach the Minneapolis Campus of the University of Minnesota from 7:00 to 7:30 p.m., they will be interested in knowing that the Flemish bells are being played from Northrop Memorial Auditorium, Mr. Edward Berryman, Instructor in Music, at the console. Admission to the commencement exercises in Memorial Stadium is by guest ticket only. No seats are reserved. All open entrances to the Stadium may be used.

PRELUDE CONCERT: From 7:30 to 8:00 p.m., the University of Minnesota Concert Band, Mr. Gerald Prescott, M.A., Bandmaster and Associate Professor of Music, conducting.

Northwards from Four Way Suite	-	-	-	-	-	-	-	Coates
Overture to William Tell	-	-	-	-	-	-	-	Rossini
Symphony in B \flat , First Movement	-	-	-	-	-	-	-	Schubert
Tale of the Vienna Woods, Waltzes	-	-	-	-	-	-	-	Strauss
Selections from Coppelia Suite	-	-	-	-	-	-	-	Delibes

PROCESSIONALS:

March and Procession of Bacchus from the ballet "Sylvia"	-	-	-	-	-	-	-	Delibes
Allegro Maestoso from the "Water Music"	-	-	-	-	-	-	-	Handel
March from "Der Freischutz"	-	-	-	-	-	-	-	Weber
March from "Tannhauser"	-	-	-	-	-	-	-	Wagner

PROCESSIONAL: The processional, made up of all candidates for degrees, faculty members and regents will march from Northrop Field and will enter the Stadium at exactly 8:00 p.m. The line of march will be in the following order: Department of Military Science and Tactics; Department of Air Science and Tactics; Department of Naval Science; General Extension Division; General College; College of Science, Literature, and the Arts; University College; Institute of Technology; College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; College of Education; School of Business Administration; College of Pharmacy; Law School; School of Dentistry; College of Medical Sciences; Graduate School. University faculty members, regents and distinguished guests will be last in the line of march.

PRESENTATION OF COLORS: As the color guard, made up of University Army ROTC and Air ROTC Cadets, and Naval ROTC Midshipmen, enter the Stadium, the audience will rise.

* In the event of rain, Commencement exercises will be held in the basketball section of Williams Arena. Due to the limited number of seats available, only the members of the graduating class, and a restricted number of their guests who have been issued special guest cards, will be admitted. Only in so far 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, still standing, and Mr. Roy A. Schuessler, M.A., Assistant Professor 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 rockets' 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 Alfred S. Wagner, Assistant Director, Newman Foundation, and Member, Minnesota Council of Religion.

CHARGE TO THE CLASS: President James Lewis Morrill, LL.D., President of the University.

CONFERRING OF COMMISSIONS: Vice President Malcolm M. Willey, Ph.D., Vice President, Academic Administration, will introduce Colonel C. H. Schabacker, CAC, USA, Professor of Military Science and Tactics; Captain C. M. Sullivan, USN, Professor of Naval Science; and Major W. H. Grierson, USAF, Professor of Air Science and Tactics, who will present the candidates for commissions in their respective branches of the Armed Services. The oath of office will be given by Colonel Schabacker; the commissions by staff members in the respective branches.

CONFERRING OF DEGREES: Vice President Willey will introduce the deans of the several colleges who will present to President Morrill the candidates for certificates and degrees. They are, in order of their introduction: Dean Julius M. Nolte, LL.B., University Extension; Assistant Dean Alfred L. Vaughan, Ph.D., General College; Assistant Dean J. W. Buchta, Ph.D., College of Science, Literature, and the Arts and Chairman of the Faculty, University College; Dean Athelstan Spilhaus, D.Sc., Institute of Technology; Dean Clyde H. Bailey, Ph.D., College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dean W. E. Peik, Ph.D., College of Education; Dean R. L. Kozelka, Ph.D., School of Business Administration; Dean C. H. Rogers, Sc.D., College of Pharmacy; Dean M. E. Pirsig, LL.B., Law School; Dean W. H. Crawford, D.D.S., School of Dentistry; Dean H. S. Diehl, M.D., College of Medical Sciences; Dean T. C. Blegen, Ph.D., Graduate School.

PRESENTATION OF DIPLOMAS: With Vice President Malcolm M. Willey presiding, all members of the June graduating class will pass across the stage in columns of four and will receive their diplomas.

Order of Events

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

CONFERRING OF HONORARY DEGREE: Dean Blegen will present Dr. Elmer Edgar Stoll of Minnesota to President Morrill for the degree, Doctor of Humane Letters.

ELMER EDGAR STOLL

Graduate of Wooster College, of Harvard University, and of the University of Munich; eminent citizen of the world of literary scholarship; long a uniquely valuable member of the faculty of the University of Minnesota—because you have earned universal recognition as the foremost of living Shakespeare scholars, because you have brought to the consideration of central problems in criticism the genius of illuminated common sense, great erudition, scrupulous intellectual integrity, and brilliant literary insights, the Regents of the University of Minnesota, upon recommendation of the faculties, this tenth day of June, nineteen hundred and fifty, confer upon you, Elmer Edgar Stoll, the degree of Doctor of Humane Letters, *honoris causa*, with all the rights and privileges pertaining to that degree.

“HAIL! MINNESOTA,” the University’s Alma Mater song: The audience and Mr. Roy A. 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.

TAPS: The University Concert Band.

The University wishes to express its regret over the fact that long overdue repairs on the Stadium seats, presently under way, will inconvenience a small proportion of our guests this evening who must be seated on the concrete steps rather than on the regular wooden seats.

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 AND TACTICS

First Lieutenant, Dental Corps, ORC

Richard P. Cook, St. Cloud
Theodore H. Dedolph, Braham
Paul W. Fleming, St. Cloud
Francis F. Franta, Jr., St. Paul
Laverne Hanson, Minneapolis

Oliver W. Johnson, St. Paul
Odin M. Langsjoen, St. Peter
Donald M. Mishek, St. Paul
Thomas A. Rogstad, Detroit Lakes
Harold L. Skinner, Minneapolis

First Lieutenant, Medical Corps, ORC

William A. Autrey, Minneapolis
John J. Dwyer, Fargo, N.D.
Evan Sherman Ellison, Minneapolis
Donald Andrew Gilsdorf, Wabasha
Leonard W. Goldman, Minneapolis
John B. Hayes, Minneapolis
Arvid J. Houghlum, Perley

Donald M. Larson, St. Peter
Leighton Walter Larson, Minneapolis
Barton L. Lewis, St. Paul
John B. O'Leary, Waverly
Paul A. Peterson, Jr., Mountain Iron
George T. Tani, St. Paul

First Lieutenant, Medical Service Corps, ORC

David A. Hester, Minneapolis
Eli Kokotovich, Hibbing
Abbie N. Larson, Jr., Minneapolis
John J. Mondati, Ely

Roger S. Reid, Minneapolis
George F. Reisdorf, St. Cloud
Vernon R. Richards, Minneapolis
Vernon H. Wold, Fergus Falls

Second Lieutenant, Coast Artillery Corps, ORC

David C. Darrell, St. Paul
Eugene L. Grimm, Minneapolis
George T. James, Minneapolis
Farrell F. Johnson, St. Cloud
Elton A. Kuderer, Wilton, Wis.
Lyle G. Landstrom, Minneapolis
Thomas J. LeVasseur, Jr., Minneapolis
Robert N. MacLeod, Isle
Harold S. Nelson, Jr., Minneapolis

Harold M. Nirschl, Fergus Falls
Dennis L. Norrell, Fingal, N.D.
Melvin W. Ohman, Jr., Minneapolis
Lawrence C. Paulson, St. Paul
Alfred W. Powers, Minneapolis
John M. Sanderson, Jr., Minneapolis
Charles W. Schabacker, Minneapolis
John L. Silvernale, Minneapolis
Girard L. Stewart, Cloquet

Second Lieutenant, Corps of Engineers, ORC

John C. Ekvall, St. Paul
James L. Engdahl, St. Paul
Robert E. Foster, Minneapolis
Herbert G. Gish, Fort Snelling
Harold K. Herland, Minneapolis
Rodney W. Johnson, Duluth

Albert S. Komatsu, Minneapolis
Rollin C. Noble, Littlefork
Robert H. Owens, Wadena
Charles H. Reeve, Jr., Hibbing
Gordon J. Smith, Parkers Prairie
Dwight E. Wilson, Minneapolis

Second Lieutenant, Ordnance Department, ORC

John C. Burgeson, St. Paul
Charles W. Cable, St. Paul
Gene E. Harnack, Minneapolis
John K. Hodgdon, Minneapolis
Lawrence M. Holland, Minneapolis
James A. R. Johnson, Minneapolis
John A. Johnson, Superior, Wis.
Richard J. Kostamo, Duluth
James A. Kruse, Minneapolis
Milton F. Lindgren, St. Paul

Laurence C. McGrath, St. Paul
George E. Melink, Hibbing
Quintin A. Narum, Minneapolis
Herbert B. Putnam, St. Paul
Edward E. Sebesta, Minneapolis
William J. Semple, St. Paul
Robert J. Somers, Fond du Lac, Wis.
Stuart C. Tapp, Ely
Richard C. Walsh, St. Paul

Second Lieutenant, Quartermaster Corps, ORC

Donald D. Baustian, Braham
James William Bissonnette, Minneapolis
Donald N. Borgen, Excelsior
John A. Brown, Waterbury, Conn.
Clarence A. Davis, Jr., St. Paul
Lawrence E. Dorner, St. Paul
Darrel F. Dreier, South St. Paul
James H. Foss, Prairie du Chien, Wis.
Thomas B. Foster, St. Paul
Douglas E. Fox, Excelsior
Ludwig Frankenberger, Minneapolis
Arnold D. Gruys, Maple Lake
Hollis G. Jay, Virginia
Larry E. Jeffries, Minneapolis
John R. Kelly, Minneapolis

Donald A. Kincade, Syracuse, N.Y.
Dean N. Koetz, Winona
William R. Mitchell, St. Paul
Richard A. Nash, Minneapolis
Donald R. Ostrum, Robbinsdale
Donald E. Parker, St. Paul
George R. Petraborg, Minneapolis
Richard B. Porter, Duluth
Thomas W. Pritchett, Minneapolis
James W. Remund, Waseca
Ervin H. Shipstead, Winona
Marion D. Stadium, Ada
Burt E. Swanson, Two Harbors
Ronald H. Swanson, Minneapolis
Forrest W. Watson, Red Wing

Second Lieutenant, Signal Corps, ORC

Roger R. Bettin, Lakefield
Marvin Oscar Bihlaja, Hibbing
Robert A. Kegel, Larimore, N.D.
Glenn C. Lung, St. Paul
Philip R. MacTaggart, Minneapolis

Robert L. Pearson, Duluth
Richard A. Peterson, Minneapolis
Lester K. Tate, Austin
Vladimir W. Vranesh, Hibbing

Second Lieutenant, Transportation Corps, ORC

John Q. Adams, Jr., Minneapolis
Irving L. Anderson, Owatonna
Thomas J. Barnes, Minneapolis
Robert D. Eklund, St. Paul
Eric N. Ericson, Minneapolis
Richard E. Grant, St. Paul
Charles L. Hinshaw, St. Paul
Robert C. Howard, St. Paul
Clayton L. Johnson, Dundee
James J. Kasper, Minneapolis
Frank J. Keller, Long Lake
Robert F. LaFleur, St. Paul

Allan R. Markert, St. Paul
John F. Markert, St. Paul
Steven C. Martin, St. Paul
Richard B. McCreary, Minneapolis
Thomas E. Moore, St. Paul
Kenneth E. Osvold, Esko
Stanley T. Peterzen, Fort Ripley
William R. Schmalstieg, St. Paul
Donald H. Schmidt, Frontenac
Robert E. Smith, St. Paul
David S. Williams, Rochester

DEPARTMENT OF AIR SCIENCE AND TACTICS

Second Lieutenant, USAF Reserve

Thomas T. Aamodt, St. Paul
Harold R. Brown, Carlton
Marlowe F. Bullis, St. Paul
Rutherford F. Burr, Minneapolis
Duane W. Cady, Minneapolis
Herald I. Carlson, Corvuso
James H. Casey, St. Paul
Gerald Erickson, Amery, Wis.
William H. Forsberg, Minneapolis
Marvin H. Franzen, Minneapolis
Robert W. Gatz, Belle Plaine
Walter F. Geisinger, Anoka
George C. Gubbins, Jr., Minneapolis
Robert W. Hahn, Ottumwa, Iowa
Jack W. Hanson, Minneapolis
Henry E. Hennis, Lewisville
Clement E. Hunter, Minneapolis
Virgil M. Israelson, Hillman
Bertil E. Johnson, Minneapolis
James S. Johnston, St. Paul
Francis R. Jones, Rochester

Miles F. Kanne, Minneapolis
Richard L. Karpen, Hastings
Maurice B. Kasen, Two Harbors
Donald E. Keefe, Minneapolis
Kenneth C. Kippley, Minneapolis
Donald A. Lambert, Minneapolis
Donald T. Lounberg, Minneapolis
Marshall N. Madsen, Willmar
Otto P. Majewske, International Falls
Dennis D. McElfish, Massena, Iowa
Ross B. Naegele, Minneapolis
John D. Pearson, Ogilvie
John A. Peltier, Chokio
John D. Peterson, Minneapolis
Raymond J. Prozinski, Minneapolis
Richard T. Scanlan, St. Paul
Phillip J. Schaub, St. Paul
Wayne L. Seagren, Minneapolis
Oliver C. Sheldon, Rake, Iowa
Howard R. Tappe, Minneapolis

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Kenneth Edward Heidelberg, Minneapolis
Warren Russell Jorve, St. Paul
Robert Henry Lindquist, Minneapolis

Jerome Douglas Swalen, Minneapolis
Robert Charles Thyberg, Ridgewood,
N.J.

Ensign, USNR

Preston Charles Haglin, Minneapolis

Ensign, SC, USN

John Edward Hogan, Janesville

Robert Lloyd Rice, Minneapolis

Ensign, SCS, USNR

Edward Hamar Williams, Minneapolis

Second Lieutenant, USMC

Warren Richard Johnson, Minneapolis

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 requirement.

GENERAL EXTENSION DIVISION

Business Certificate

John E. Buri, St. Paul

Grace M. Finck, St. Paul

Dan Nels Hansen, St. Paul

Althea J. Lindholm, Minneapolis

Richard O. Long, White Bear Lake

Stanley M. Nielsen, St. Paul

John O. Roosen, Minneapolis

Norris G. Swanburg, St. Paul

GENERAL COLLEGE

Associate in Arts

Donald Burton Anderson, Minneapolis

Walter Lewis Andrea, St. Paul

William Robert Anthony, Minneapolis

Douglas Duane Arndt, Hopkins

Richard John Axelson, Minneapolis

Edward Bialick, Minneapolis

Barbara Bea Blomholm, International Falls

Douglas Charles Bratt, Minneapolis

Donald Brody, Minneapolis

John Burke Calvin, Minneapolis

Ronald Wentworth Carlson, Minneapolis

Roy Aron Carlson, St. Paul

Robert Patrick Childers, St. Paul

Cyril Case Clements, Jr., Mankato

David Wells Clutter, Minneapolis

John Robert Coan, Jr., Minneapolis

Joseph Kenneth Crose, Albert Lea
Cornelius Bruce Crowley, St. Louis
Park
Paul Barker Damkroger, Minneapolis
Richard Brooks Dargis, Minneapolis
Joan Helen Davey, Minneapolis
John Edward Donham, Minneapolis
Walter Charles Dooley, Minneapolis
Barbara Louise Doyle, International
Fall
Albert Charles Durand, St. Paul
Wallace Homer Eggen, Minneapolis
William Oscar Erickson, White Bear
Lake
Gerald Nicholas Fercello, St. Paul
Francis Anthony Filipczak, St. Paul
John Clyde Fish, St. Paul
Wayne Anthony Foley, Minneapolis
Douglas Emerson Fruen, Minneapolis
Wilberta Leatris Gamelin, South
St. Paul
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James Peter Gilbert, Minneapolis
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Calif.
Arthur Ted Goldberg, Minneapolis
Donald Edison Grant, St. Paul
Richard John Griswold, Minneapolis
Richard John Haag, Minneapolis
Stuart Allen Hace, North St. Paul
Denis Henry Haines, Minneapolis
Jack Lancelot Hanson, Ponsford
Vivian Marie Hecker, St. Paul
William Edward Hellerstedt, Robbins-
dale
Betty Ruth Higgins, Minneapolis
Carmita Louise Hitt, St. Paul
Donald Vance Hull, Minneapolis
Donald Leigh Jensen, St. Paul
Inman Henry Johnson, St. Paul
Quinn Richard Johnson, Minneapolis
Vivian Edith Johnson, Forest Lake
Philip James Just, St. Paul
Gerald Mitchell Kenyon, Hibbing
Nancy L. King, Minneapolis
Georgia J. Kleason, St. Paul
Gordon Roger Knowles, Minneapolis
David Herman Knutson, Crookston
James Henry Koch, Kilkenny
Mary Ann Kubes, New Prague
Lois Elaine Kumm, Minneapolis

Joan Harriet Kurtzman, Minneapolis
Betty June Lawler, St. Paul
William Benton Leach, Minneapolis
Ronald Franklyn Leonard, St. Paul
Erwin Ansel Lichten, Minneapolis
Jean Irene Lontz, Maple Plain
Warren Arthur Lundberg, West
St. Paul
Richard Lowell Lundgren, Columbia
Heights
Gordon Blaikie MacKay, St. Paul
Joan Therese McDonnell, St. Paul
Marjorie Ann Meixner, St. Paul
Allen Custer Mickle, Minneapolis
Jerrold Thomsen Miller, Minneapolis
Anne Moberg, Clinton
Carlton Anthony Moberg, Clinton
Robert James Morris, Minneapolis
George Edward Morrison, III, St. Paul
Charles Raymond Munsey, Minne-
apolis
Eugene Everett Murphy, Minneapolis
Edmund Francis Murray, Minneapolis
John Edgar Nelson, Jr., Minneapolis
Marilyn Jean Neuhardt, Minneapolis
Charlotte Ann O'Heron, Minneapolis
Robert Arthur Paczkowski, Minne-
apolis
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Harold Edwin Peters, Minneapolis
Wilford Gene Peterson, Minneapolis
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Charles Bartson Rodger, Minneapolis
John Davis Rogers, Minneapolis
Roger Curtis Sathre, Minneapolis
Jerome Joseph Scanlon, St. Paul
Anna Pauline Schell, St. Paul
Jack Francis Schneider, Lake Elmo
Clement David Seng, Minneapolis
Jack Harold Shephard, Minneapolis
Mary Jane Sherritt, Minneapolis
James Peter Sorenson, White Bear
Lake
Robert Thomas Starr, St. Paul
Wilbert Jerome Steffen, St. Paul
Robert Marvin Steward, Minneapolis
Bruce Edmund Stewart, Minneapolis
Charles Jeffrey Sulzbach, Minneapolis
Ole Kristian Svendsen, Mora
Frank James Svoboda, St. Paul
Irene Marie Swankle, St. Paul

Roxane Lillian Swenson, Bayport
Wayne Louis Szczeck, Minneapolis
Howard Richard Tappe, Superior,
Wis.
Ray Ruble Teeter, Fairmont
George Hamlin Town, Minneapolis
Charles Virgil Townsend, St. Louis
Park
Donald Stewart Van Gorp, Minne-
apolis

Therese Antoinette Vondenberger,
Minneapolis
Curtis Owen Walberg, Minneapolis
Kermit Ervin Wheeler, St. Paul
Richard Milford Wickworth, St. Paul
Betty Williams, St. Paul
Fred Beriah Wright, Minneapolis
Matthew Zats, St. Paul
John Harlow Zesbaugh, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Marilyn Elaine Adelman, St. Paul
Ralph Stanton Atlas, Minneapolis
Margaret Anne Berg, Minneapolis
John Woodrow Borden, St. Paul
Theodore Lee Boston, St. Paul
Claire Anne Buckeye, Mankato
Lawrence Leo Callander, Minneapolis
Joy Galina Clauson, Minneapolis
Joan Gretchen Eichhorn, Hill City
Bruce August Flatin, St. Louis Park
John Alfred Forsmark, Minneapolis
Ross Mitchell Gamble, Albert Lea
Shirley Cooperman Geismar, St. Paul
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Nadine Grill, Minneapolis
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Richard Gordon Ingram, St. Paul
James Arthur Isca, Minneapolis
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Violet Ann Kallman, Chicago, Ill.
Gloria Mae Kaplan, St. Paul
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Joyce Marie Lambert, Minneapolis

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neapolis
Joyce Orphie Miller, Minneapolis
Elizabeth C. Okey, St. Paul
Florence Irene O'Rourke, Wibaux,
Mont.
LaVaun Lois Peterson, St. Paul
Raymond John Prozinski, Minneapolis
William E. Rasmussen, Minneapolis
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Adrian James Rygg, Minneapolis
Jean Elizabeth Sembla, Minneapolis
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Billy John Stoll, Minneapolis
Marcella Patricia Taylor, Minneapolis
Marilyn Ruth Thompson, Minneapolis
Robert Harry Walker, Minneapolis
Lavina Jane Webster, Minneapolis
Lois Jeannette Wiggs, Minneapolis
George Richard Williams, St. Paul
Diane Joy Williamson, Minneapolis
George Curtis Ziegler, St. Paul
Lawrence John Zollar, Grenville, S.D.

Bachelor of Arts

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Milton Edgar Adams, Minneapolis
James Thomas Adkins, Minneapolis
Herman Aeziman, Minneapolis
Charles LeRoy Alden, Ames, Iowa,
CUM LAUDE
Thomas Fulmer Allen, St. Paul

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Leo Sheridan Anderson, International
Falls

Mary Christine Anderson, St. Paul
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 Ralph Henning Anderson, Willmar
 Richard Wellis Anderson, St. Paul
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 Kennedy
 Virginia Esther Anderson, Minne-
 apolis
 Marilyn Elizabeth Andresen, Minne-
 apolis
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 Adelaide Constance Arness, Minne-
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 Hobart Melvin Banks, Jr., Minneapolis
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 neapolis
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 LAUDE
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 James Charles Benson, Minneapolis
 Roger Alden Benson, Vesta
 LaVonne B. Bergstrom, Wadena, CUM
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 Sigvard M. Birkeland, Minneapolis
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 Paul
 Myron H. Blanch, Minneapolis
 George Ralph Blanton, Vero Beach,
 Fla.
 Jack Peter Blomgren, Milltown, Wis.

Burton Harry Boersma, Minneapolis
 Jack Lee Bogle, Excelsior
 Marjorie Ellen Bonnell, Anoka
 Corinne Mildred Borg, Minneapolis
 Pierre Jean Boutan, Gournay, France,
 CUM LAUDE
 Paul Frederick Bowlin, Minneapolis,
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 Barbara Doris Brabec, Minneapolis
 Henry Erwin Brandt, Wells
 Donald Herbert Bratt, Minneapolis
 John Nelson Bratt, Minneapolis, CUM
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 Robert Wade Brautigam, Minneapolis
 Dorothy Jean Brevick, Minneapolis
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 Elliot Burt Brown, St. Paul
 Jean de Louis Brown, Minneapolis
 John Albert Brown, A.L.A., Water-
 bury, Conn.
 Paul Frederic Brown, A.L.A., Minne-
 apolis
 Ted Wolf Bryan, Wayzata
 Stephen Farrington Buck, Washing-
 ton, D.C.
 Patricia Mary Budde, Minneapolis
 William Lee Bumford, Thermopolis,
 Wyo.
 Irving Ray Burling, Minneapolis
 Thomas Patrick Burns, Minneapolis
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 Devon Royce Butterfield, Minneapolis
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 Richard Harlan Cammack, Stevens
 Point, Wis.
 Earl Elarth Cammock, Minneapolis,
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 Catherine Ann Carey, Two Harbors
 Thomas Edmund Carey, Jr., Red
 Wing
 Jean Effal Carlin, Minneapolis, CUM
 LAUDE
 Stanford Thomas Carlson, Dawson
 Joyce Carolyn Carter, Fairmont
 Jimmy Glenn Cedarleaf, St. Paul
 Ralph A. Champlin, San Mateo, Calif.

Marilyn Ann Chelstrom, A.L.A., Minneapolis
 David Reginald Chisholm, Chippewa Falls, Wis.
 Raymond Peter Ciagne, Eveleth
 Florence Ann Clancy, Aberdeen, S.D.
 Willard Patrick Clark, B.S.L., Minneapolis
 William Melville Coffland, Minneapolis
 Betty Muggley Coffman, St. Paul
 James Albert Cole, Jr., Minneapolis
 Richard Howind Cole, A.A., Excelsior
 Thomas Paul Coleman, A.A., Stanchfield, CUM LAUDE
 Donald Harold Cook, Green Bay, Wis.
 Clifford Darrell Coover, Shelby, Mont., CUM LAUDE
 Thomas Hoskins Copeland, Jr., Minneapolis
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 Solveig Albertson Dahl, Glendale, Calif.
 John Horton Daniels, Jr., Minneapolis
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 Robert Walter Danielson, Minneapolis, CUM LAUDE
 Edwin Barnard Darby, Owatonna
 Charles Fournier Dare, Elk River
 Donn D. Darsow, Minneapolis
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 Robert Dick Davis, St. Paul
 Jane Lea Davison, Minneapolis, CUM LAUDE
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 Suzanne DeLaittre, Minneapolis
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 Arthur Edwin Devlin, Buffalo, N.Y., MAGNA CUM LAUDE
 Elliot Colter Dick, Minneapolis
 Charles Francis Dicken, Eugene, Ore., MAGNA CUM LAUDE
 Kent Darkley Dixon, Minneapolis
 Martha Worth Doan, A.A., Duluth, MAGNA CUM LAUDE
 Myron Irving Doebler, Princeton
 Ray Warren Doherty, Superior, Wis.
 Henry Lester Dolan, St. Paul
 James Adrian Donaldson, Foley, CUM LAUDE
 William Cyril Don Carlos, Minneapolis
 Robert LaMoine Dowling, St. Paul
 Ted Emil Downer, Minneapolis
 James Giere Drake, St. Paul, SUMMA CUM LAUDE
 Robert Frederick Drescher, Hibbing
 Del Rose Marie Dubbs, Pine River
 Thomas Dennis Duffy, St. Thomas, N.D.
 Raymond E. Dunham, St. Paul
 Catharine Hunter Dunning, St. Paul
 Judith Edes, Glen Lake, CUM LAUDE
 James Fiterman Ehrlich, Minneapolis
 Alvar Oliver Elbing, Jr., Minneapolis
 Marguerite Helen Elias, Duluth
 Audrey Vaughan Elliott, Charlotte, N.C.
 Marie Katherine Elsen, Hasty
 George Mayo Elwinger, A.A., Rochester
 James Joseph Emmer, Minneapolis
 Morris Theodore Eng, St. Paul
 Paul Gilbert Enger, Fargo, N.D., MAGNA CUM LAUDE
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 Burrell Robert Ernst, Jr., B. Naval Science, Coleraine
 Theodore Adolph Estrem, Jr., Hibbing
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 Floyd Hamilton Fahlen, Minneapolis
 Herbert Fantle, St. Paul, MAGNA CUM LAUDE
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 John Adams Farmer, Minneapolis
 Raymond Leroy Farmer, Minneapolis
 Robert Faro, Minneapolis
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 James Frederick Feilzer, Minneapolis

Morton Jack Feinberg, A.A., Minneapolis

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Charles John Fillmore, St. Paul,

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Marcia Milre Forman, Minneapolis
Mary Elizabeth Fossen, Minneapolis

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Douglas Rennie Fraser, St. Paul

Richard Joseph Fredlund, Minneapolis
Elizabeth Ann Freeberg, St. Paul

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Phyllis Joan Frey, Minneapolis

Gilbert Hugo Friedell, B.S., M.B.,
Minneapolis, MAGNA CUM LAUDE

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Helen Louise Furber, Hastings

Wallace C. Garlough, Jr., Calumet
Thelma Dorothea Paulson Garwick,
Minneapolis

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Milton S. Geer, Alexandria

Ida Geller, St. Paul, CUM LAUDE
Douglas Roland George, St. Paul

Phyllis Joy Gilbert, Hutchinson
Ruth Meinert Gilbert, Minneapolis

Helen Jean Gilbertson, Minneapolis
Robert Daniel Gillquist, A.A., Minne-
apolis

Roger Lewis Gilstad, Minneapolis
Everett Herdman Given, Jr., Paxton,
Ill.

Nancy Dean Given, St. Paul, MAGNA
CUM LAUDE

Nancy Ann Glabe, Minneapolis
Sewall Lenord Glinternick, Minne-
apolis

Homer Wilson Godfrey, St. Paul,
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Barbara Lee Gold, Minneapolis

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Sheldon Goldstein, St. Paul

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Edwin Michael Gordon, Minneapolis

Milton Paul Gordon, St. Paul, SUMMA
CUM LAUDE

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Richard Edward Gottenborg, Detroit
Lakes

Herbert J. Graebner, St. Paul
Margaret Sarah Grant, St. Paul

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Minneapolis

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apolis

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Bert Merrill Gross, Minneapolis,
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Alice Marie Guild, Austin

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William Chandler Hackney, St. Paul,
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John Milton Haker, Lindstrom

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Karl Frederick Halladin, Minneapolis

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Peter

Edward Clinton Hannasch, St. Paul
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apolis

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James Robertson Hartzell, Minne-
apolis

Chester Harvey, Jr., St. Paul
Joyce Elaine Hasselblad, A.A., St.
Paul

Marlon Oscar Haugen, St. Clair
Dorothy Marie Hayden, St. Paul

Mortimer Mahoney Hayden, Jr.,
Rochester

William David Hayes, Minneapolis
Mary Elizabeth Headsten, Interna-
tional Falls

Mark Wayne Hedlund, Minneapolis
Martin James Heffernan, Minneapolis

Maynard Roy Heil, Gaylord
Carl Robert Heinzerling, Adams, cum
LAUDE

Jack Joseph Held, Minneapolis
 Harry Loyd Helsdon, Minneapolis
 Lincoln Raymond Henderson, Jr.,
 Minneapolis
 Agnes Adelia Hendrickson, Duluth
 Russell Robert Hendrickson, Crook-
 ston
 Fredric James Henry, St. Charles
 Florence Schmit Hensel, St. Paul,
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 Omar Henry Hill, Minneapolis
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 Marabeth Anne Hobbs, Minneapolis,
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 apolis
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 Wis.
 William Patrick Horan, Wells
 Wayne Donald Hoshal, Calumet
 Gretchen Estelle Hosterman, Robbins-
 dale, SUMMA CUM LAUDE
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 John Stephen Huff, Glencoe, CUM
 LAUDE
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 Maland Carroll Hurr, Minneapolis
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 Marvin Allen Jacobs, A.L.A., Des
 Moines, Iowa
 Ordell Howard Jacobson, Holloway
 Charles Kenneth Jarvis, A.A., Austin
 Ronald Gregory Jaspersen, Minne-
 apolis
 Beverly Ann Jennings, Brainerd
 Charles Austin Jennings, Frederic,
 Wis.
 Arthur Albin Johnson, Minneapolis
 Clarence Dale Johnson, Alexandria
 Donald Theodore Johnson, Minne-
 apolis
 Ebba Ingeborg Johnson, Minneapolis
 Janet Ann Johnson, Minneapolis
 Johnmiles Matthew Johnson, A.A.,
 Rochester, CUM LAUDE
 Kenneth Harry Johnson, Brocket,
 N.D.
 Leonard August Johnson, A.L.A.,
 Minneapolis
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 LAUDE
 Robert DeWayne Johnson, Red Wing
 Russell Ardean Johnson, Grand Rapids
 Sally Mae Johnson, Minneapolis
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 apolis, MAGNA CUM LAUDE
 Warren Richard Johnson, A.A., Min-
 neapolis
 Wayne Douglas Johnson, Minneapolis
 Wendell Clair Johnson, Farmington
 William Edward Johnston, Jr., Minne-
 apolis
 Edward Stanley Jonak, Minneapolis
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 Marcia Graham Jones, Hopkins
 Edward Olaf Jorgensen, A.L.A., North
 St. Paul, MAGNA CUM LAUDE
 Betty Jane Jorgenson, Fergus Falls,
 CUM LAUDE
 Raymond Gabriel Julkowski, Minne-
 apolis
 Howard Merrill Kaplan, St. Paul
 Martin Jack Kaplan, St. Paul
 Harold Katkov, St. Paul
 Morris Ralph Katkov, St. Paul
 Philip Gordon Kellar, Minneapolis,
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 James Redfield Kelly, Minneapolis
 Patricia McNair Kennedy, Minne-
 apolis
 Tauno Everett Ketola, A.S., Iron,
 CUM LAUDE
 Donald Roland Keyworth, St. Paul,
 CUM LAUDE
 Paul Frederick Kiecker, Rochester
 Sheldon Howard Kieffer, Minneapolis
 Gervaise Edward Kimm, Minneapolis
 Franklin Alexander King, Duluth
 Thomas Harry Kirschbaum, Minne-
 apolis, MAGNA CUM LAUDE
 James John Klobuchar, Ely, CUM
 LAUDE
 Judith Joy Knopp, Winona
 Harlan Keith John Knudson, Duluth

Mary Caroline Knudtson, Minneapolis
 Marvin Alfred Kocks, Chaska
 Vion Lorenza Kogl, St. Paul
 James Robert Kolcinski, Minneapolis
 Robert Michael Koloski, Minneapolis
 John Raymond Kopischke, New Ulm
 Bernice Muriel Korfhage, St. Paul
 Michael Kosiak, Chisholm
 Richard Kovich, Hibbing
 Robert George Krauss, Minneapolis
 Terry Fort Krey, St. Paul, CUM LAUDE
 Dorothy Edmund Kroehler, St. Peter
 Richard Byron Kron, St. Paul
 Walter Mathias Kunz, Minneapolis
 Simpey Kuramoto, Chicago, Ill.
 Joan Laidlaw, St. Paul
 William Rudolph Laitinen, Minne-
 apolis
 Lyle George Landstrom, Minneapolis
 Edward Erie Lane, Jr., Santa Rosa,
 Calif.
 Leonard Otto Langer, Jr., Minne-
 apolis, SUMMA CUM LAUDE
 Stanley Gilbert Langland, Minne-
 apolis
 David Wendell Larson, Minneapolis
 Delphine Rose Larson, Benson
 Donna Mae Larson, Minneapolis
 Earl Russell Larson, Minneapolis,
 CUM LAUDE
 Milton Edward Larson, Windom
 Robert John Larson, Minneapolis
 Ardis Ann Lauttamus, Minneapolis
 Gloria Cynthia Laven, Minneapolis
 Clarence Donald LaVoie, Minneapolis
 Patricia Susan Leahy, St. Paul
 Delbert Wayne Leckband, Kinbrae
 Dolores Donna Lee, Waseca
 George Francis Lehman, Montgomery
 Wendla Eleanore Leinonen, Minne-
 apolis, MAGNA CUM LAUDE
 Donna Mae Leland, Bricelyn
 Thomas Elliott Letch, Osceola, Wis.,
 CUM LAUDE
 Thomas Joseph LeVasseur, Jr., Minne-
 apolis
 Joyce Florence Leversee, Minneapolis
 Robert Levey, St. Paul
 Earl Hershel Levinson, Minneapolis
 Roy Kenton Lilleskov, St. Paul,
 MAGNA CUM LAUDE
 Dwaine Royal Lindberg, Cambridge
 Harold Alan Lindgren, Minneapolis
 Rudie Elizabeth Lindgren, Claremont
 Tenny Lode, St. Paul, SUMMA CUM
 LAUDE
 Serge Edward Logan, Chicago, Ill.,
 MAGNA CUM LAUDE
 Irene Londer, St. Paul
 John Haliburton Longley, Little Falls,
 CUM LAUDE
 Donald Thomas Lounberg, Minne-
 apolis
 Richard C. Lueben, St. Paul
 Mary June Luedtke, Minneapolis,
 MAGNA CUM LAUDE
 Harry Charles Lundeen, Amery,
 Wis., CUM LAUDE
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 Robert Lincoln Halvorson, Duluth,
 WITH DISTINCTION

Edward Arthur Hanson, St. Paul
 Harold Kenneth Hanson, Grand Rapids
 Willard Earle Heath, Minneapolis, WITH DISTINCTION
 Paul R. Heim, Minneapolis
 Robert Finley Helfinstine, North Mankato, WITH DISTINCTION
 John William Helgeson, Rhinelander, Wis., WITH HIGH DISTINCTION
 William David Helms, Menasha, Wis.
 Gerald Bernard Herzog, Minneapolis, WITH DISTINCTION
 Guy Hill, Duluth
 John Daniel Hoffman, Winona
 Kenneth Wesley Holmgren, Thief River Falls
 Charles William Homer, St. Paul
 Jack Roger Howard, St. Paul
 George Washington Hunt, Jr., Minneapolis
 Marlowe Wendell Iverson, Minneapolis, WITH DISTINCTION
 Dean Jacobson, Jr., Devils Lake, N.D.
 Marvin Jacobson, St. Paul
 Andrew "O" Jensen, Minneapolis, WITH DISTINCTION
 Donald Ernest Jewett, Balaton
 Donald Stone Johnson, Solway
 Gordon Sherwood Johnson, Becker
 Harold Vernon Johnson, Minneapolis
 Richard Harry Johnson, Wheaton
 Richard Lee Johnson, Red Wing, WITH HIGH DISTINCTION
 Roy Donald Johnson, Willmar
 Thomas Alfred Josephson, Red Wing
 Kenneth John Kangas, Minneapolis
 John Jacob Kelberer, Winona
 Richard Wallace Keehn, Nashwauk
 Gerhardt Albert Keller, Blue Earth, WITH DISTINCTION
 David Blair Kerkow, Winona
 Thomas George Kingston, Valier, Mont.
 Howard Avon Knudtson, Jr., Minneapolis, WITH HIGH DISTINCTION
 Douglas Arthur Kohl, Osseo
 Amum Edwin Kraemer, St. Louis Park
 Andrew Kuehn III, Sioux Falls, S.D., WITH DISTINCTION

James Leroy Lamm, Minneapolis
 Leonard Olander Langlie, Minneapolis
 Melvin Langseth, Fergus Falls, WITH DISTINCTION
 Jerome Samuel Lasley, Excelsior
 Kevin Leenay, Minneapolis
 Raymond Earl Lees, Minneapolis
 Eugene Robert Lemmerman, Sauk Rapids, WITH DISTINCTION
 Robert John Lenes, Fosston
 Randolph Stanley Levin, Maple, Wis.
 Russel Thomas Lieske, Henderson
 Wallace Waldo Lindemann, Bigelow, WITH HIGH DISTINCTION
 Lafey Leander Lundquist, Duluth
 Daniel John MacDonald, Virginia, WITH DISTINCTION
 George Francis Marette, Hibbing
 George Douglas McLeod, Minneapolis
 Arnold Ray McNeely, Minneapolis
 Paul LeRoy Metcalf, Pine City
 Raymond LeRoy Mlazgar, Shakopee
 John Theodore Moehring, Plato
 Roger Willard Moerke, Minneapolis
 James David Montain, Forest Lake
 Richard Joseph Mullins, St. Paul
 Averial Eugene Nelson, Minneapolis
 Donald K. Nelson, Swea City, Iowa
 Leonard Dahl Nelson, Virginia
 Edward George Nielsen, St. Paul, WITH HIGH DISTINCTION
 Philip Ellsworth Nomeland, Minneapolis
 Charles Eugene O'Haver, Hayfield
 Ellis Wilbur Olson, Minneapolis
 Henry Robert Olson, Jr., Dawson
 Morton Clarence Oswald, Cloquet
 Robert Louis Parris, Hibbing
 Harold Jean Perrault, Duluth
 Benjamin Richard Persons, St. Paul
 Lewis F. Pettit, Jr., Des Moines, Iowa
 Joseph Alois Pietsch, St. Paul, WITH DISTINCTION
 John Paul Prince, Aurora
 Cleveland Louis Ray, St. Paul
 Warren Albert Raymond, St. Cloud
 John Mitchell Reid, Minneapolis
 Hugh William Reynolds, Hibbing
 Albert Ries, Jr., Drexel Hill, Pa., WITH DISTINCTION

Arthur Raymond Roble, Spring Grove
William Herbert Rock, Jr., Groton,
S.D.

Harold Carl Rocklitz, St. Paul
*Jack Field Rowe, Duluth, WITH DIS-
TINCTION*

Douglas Clayton Sanford, Princeton
Milo James Sather, Glenville
John Gail Sauer, Harmony

Allen Percy Schmidt, Minneapolis
Harlan Herbert Schultz, Perham
Carl John Seidel, St. Paul

Wilho Edwin Setala, Brookston
Howard Eugene Smith, Bovey
West Meredith Steinacker, Stillwater
*Philbert Bernard Suchy, St. Paul,
WITH DISTINCTION*

*Richard Leland Swarts, Sturgeon Lake,
WITH DISTINCTION*

*Stanton Hjalmer Telander, Mora,
WITH HIGH DISTINCTION*

Maurice Lewis Terrio, Menasha, Wis.
Robert Bruce Tillitt, St. Cloud
George Henry Tomsich, Gilbert
Ervin Arnold Walvatne, Battle Lake
*Dale Elliot Warfield, A.A., Austin,
WITH HIGH DISTINCTION*

Raymond Oswald Wenz, Osseo
Earl Walter Wick, Duluth
Theodore Roy Willis, St. Paul
Robert Allen Winger, Minneapolis
Vernon Ralph Witthans, Cannon
Falls

Carl Hans Woie, Duluth
*Rodger Carl Wolfgram, Minneapolis,
WITH HIGH DISTINCTION*

Philip Charles Wray, Three Hills,
Alberta, Canada
*Edward Doyle Zimmer, Onida, S.D.,
WITH DISTINCTION*

Bachelor of Geological Engineering

Robert McCreery Becker, Wadena
Rolland Laws Blake, Minneapolis
Joseph Bertram Fryer, Rochester
Axel Linnae Johnson, Eveleth

Fred LeRoy Lundstrom, St. Paul
Charles Albert Moorman, Idabel,
Okla.

Bachelor of Mechanical Engineering

Edward John Adams, St. Paul
Marvin David Anderson, St. Paul
James Joseph Archambeau, Chisholm
*Robert Donald Atkins, St. Paul, WITH
DISTINCTION*

David Burton Ballou, Rochester
*Paul Columbus Becker, Stone Lake,
Wis., WITH DISTINCTION*

Dwain Curtis Bell, Minneapolis
David Alonzo Bennett, St. Paul
Donald Albin Benson, St. Paul
Myron Donald Benson, Dundee
Edwin William Bernhagen, Hutchin-
son

Arnold Robert Bloomquist, Minne-
apolis

Gerald William Blume, White Bear
Lake

Wesley Clifton Borgeson, Park River,
N.D.

Dante Lawrence Boria, Hibbing
Richard Carl Brown, Minneapolis
Keith Wesley Bucher, Minneapolis
John Arthur Burt, B.Aero.E., St. Paul
Charles Thomas Bye, Minneapolis
Charles William Cable, St. Paul
*Donald Barr Cavanaugh, Minneapolis,
WITH DISTINCTION*

Arthur F. Christensen, A.A., Austin
Martin Herman Ciernia, Minneapolis
James William Clark, Minneapolis
Wallace Hasbrouck Cole, Jr., St. Paul
Hugh Roger Connolly, Grand Rapids
Bartlett John Corser, St. Paul
Walter Roald Dale, Minneapolis
Keith Ellis Danielson, Cannon Falls
Roger George Deppe, St. Paul
Willard Kenneth Dick, St. Paul
Lloyd Alvin Dobricka, Breckenridge

Alexander Leonard Donaldson, Minneapolis
 John Francis Downing, Blue Earth
 Wallace Basil Dugan, Albion, Pa.
 Richard Ernest Ekholm, Red Wing
 Kaare Engebo, Arendal, Norway
 Robert George Erbes, Rochester
 Donald Vernon Erickson, Bovey
 Fred Edward Farnsworth, Jr., Minneapolis
 Donald John Ferris, Glen Lake, WITH
 DISTINCTION
 John Donald Forsberg, Wayzata
 Milton Wilfred Fox, Parkville
 Carlton Emanuel Franzen, Minneapolis
 George William Frey, Edina, WITH
 DISTINCTION
 Donald Bernard Gilbertsen, Winona,
 WITH DISTINCTION
 Francis Allen Goplen, Zumbrota
 Fred Calvin Graham, Minneapolis
 Robert Hentze Griffiths, Minneapolis
 Kenneth Frank Had, Duquette
 Stanley Frank Haedrich, Jr., Minneapolis
 Edwin Siver Hage, New Ulm
 John Paul Otis Hagen, Hazel Run
 John Leonard Hammerstrom, North
 Branch
 Robert Williams Hansen, St. Paul,
 WITH DISTINCTION
 Howard Clayton Hanson, Duluth
 Thomas Joseph Hayes, Arlington, Va.,
 WITH DISTINCTION
 George Clinton Hedsten, Minneapolis
 George Edwin Hermanson, Minneapolis
 Arthur Otto Hermodson, Beltrami,
 WITH DISTINCTION
 Donald Linus Holberg, Red Lake Falls
 Robert Donald Holmberg, Minneapolis
 Richard Wagner Howard, St. Paul
 Donald Frederick Hullsiek, Excelsior
 Arch L. Hum, Minneapolis
 Harlan Stuart Jason, Minneapolis
 Hays Hamilton Jensen, Minneapolis
 Lloyd Harold Johnson, Thief River
 Falls, WITH HIGH DISTINCTION
 Robert Allan Johnson, Minneapolis

John Karich, Duluth
 Walter Philip Keller, Lambertson,
 WITH DISTINCTION
 Paul Branscum Kennedy, Worthington,
 WITH DISTINCTION
 John Joseph Kettner, St. Paul
 Frank Marion Kielsa, St. Paul
 George Joseph Kilbane, St. Paul
 Howard George Kilby, St. Paul
 William Patrick Killalea, Minneapolis
 Walter Lee Kimpling, Granite Falls
 Frederick Charles Krysel, St. Louis
 Park
 Robert Wedge Lange, Walla Walla,
 Wash.
 Gayle Morris Larson, Minneapolis
 John Herbert Leaf, Glencoe
 Clayton Jerome Lindeen, Mankato
 John Robert Linqvist, Minneapolis
 Duaine Leonard Linton, Duluth
 Andrew LuConic, Jr., Clayton, Wis.
 George William Luger, Minneapolis
 John Fay Lundquist, Minneapolis
 Glenn Lung, St. Paul
 Paul John Maley, St. Paul
 Robert Warren Manske, Minneapolis
 James Robert Marshall, Minneapolis
 William Mathew Mattila, Eveleth,
 WITH DISTINCTION
 Philip Mathew McDonald, Minneapolis
 Lawrence Joseph McDowell, Duluth
 John Mathias Mickelson, St. Paul
 Donald Brooks Moritz, Jr., Minneapolis
 Ceylon Arthur Mudge, Minneapolis,
 WITH DISTINCTION
 James Dwight Nelson, Minneapolis
 Robert Lowry Nelson, Fergus Falls
 William Charles Nicholson, Duluth
 Roger Allan Nosker, Minneapolis
 Leonard Robert Nyman, St. Paul,
 WITH DISTINCTION
 Donald Oscar Olson, St. Louis Park
 Lawrence Marvin Olson, Braham
 Charles Martin Overby, Scobey,
 Mont., WITH HIGH DISTINCTION
 Marlow Allen Paschke, Rochester
 James Arthur Paulford, Eveleth, WITH
 DISTINCTION
 Leslie James Paulsen, Rochester

Donald Leslie Pearson, Minneapolis
 Francis Charles Pedrizetti, Duluth
 James Rodney Peterson, Hutchinson
 Stanley Gust Peterson, Minneapolis,
 WITH DISTINCTION
 Vincent Eugene Peterson, Minne-
 apolis
 George Joseph Praska, Minneapolis
 Frank Stanley Raushel, Chisholm
 William Joseph Rea, St. Paul
 James Bernard Regan, South St. Paul
 Henry Riel, Minneapolis
 George Warner Robbins, Minne-
 apolis
 Robert Earl Rogers, Minneapolis
 Cleo Henry Rottluff, Austin
 Albert Lawrence Roy, Duluth, WITH
 DISTINCTION
 Stanley Carl Rustad, Faribault, WITH
 HIGH DISTINCTION
 Glen Olan Ryen, Duluth
 Donald Mitchell Saunderson, North
 Mankato
 Harold Eugene Shull, International
 Falls
 Harold Eddie Sidy, Fertile
 Jay Linder Skarnes, Minneapolis
 Lamont Culver Stanley, Minneapolis
 Donald Stephenson, Spring Valley

Willard Robert Strauss, St. Paul
 James Wentworth Tinkham, Minne-
 apolis, WITH DISTINCTION
 Ray Eugene Torell, Minneapolis
 Samuel Herman Traub, Mason City,
 Iowa
 Ahti Olavi Tuohino, Cloquet
 Thomas Richard Turnham, Long
 Lake
 John Ward Ulseth, St. Paul, WITH
 DISTINCTION
 George Uram, Minneapolis
 Paul Leland Vidcen, Isanti
 Frank Thomas Vilelli, Minneapolis
 Ray John Wagner, Alexandria
 Roger Eugene Walker, St. Paul, WITH
 DISTINCTION
 James Stephen Warwick, Minneapolis
 Robert William Westrup, Annandale,
 WITH HIGH DISTINCTION
 Richard Norton Willett, Minneapolis
 Edson P. Williams, Minneapolis,
 WITH DISTINCTION
 Edwin Earl Wilson, Jr., Minneapolis
 Conrad F. Winn, Minneapolis
 Richard Donald Wood, Minneapolis
 Howard Claude Zehetner, Ivanhoe,
 WITH DISTINCTION

Bachelor of Metallurgical Engineering

Waldo Sanden Aaby, Minot, N.D.,
 WITH DISTINCTION
 Mumtaz Akman, Divrik, Turkey
 Raymond E. Andrews, Minneapolis
 Donald Weston Bodene, St. Paul,
 WITH DISTINCTION
 Robert Martin Cilek, Chisholm
 Robert Joseph Denn, Janesville
 George Rudman Dragich, B.S. in Ind.
 Ed., Chisholm
 Robert Mark Dwyer, Fargo, N.D.
 Chester Arthur Engquist, Minneapolis
 Glenn E. Faulkner, Minneapolis,
 WITH DISTINCTION
 LaVern Norman Gushard, Cedar
 Falls, Iowa
 Robert Fredrick Holmberg, Ironwood,
 Mich.
 Maurice Bartel Kasen, Two Harbors

Norman Eugene Klarquist, Minne-
 apolis
 Henry Alois Lex, Mankato
 Calvin David Loyd, Fergus Falls
 Louis Martin Lund, Jr., Minneapolis
 Kenneth Alm Magnuson, Minneapolis
 Edward Robert Mantel, Ely, WITH
 DISTINCTION
 Charles Edwin Mereness, St. Paul
 Frederick Clyde Nordquist, St. Paul
 Robert Eugene North, St. Paul
 Thomas David Olson, Duluth
 John Bernard Peck, St. Paul
 Robert Henderson Ridgway, Jr.,
 Scarsdale, N.Y.
 Douglas Wesley Schuler, Minneapolis
 William Henry Svigel, Chisholm
 Stanley Calmer Thorstenson, St. Paul
 Patrick Noonan Walseth, St. Paul

Bachelor of Mining Engineering

Warren Don Bell, Kilbourne, Ill.
William Mills Campbell, St. Paul
Luther Sylvanis Clemmer, Dallas,
N.C.
John Adam Gernert, Lebanon, Pa.,
WITH DISTINCTION
Patrick Hugh Grames, Owatonna
Leslie Milton Hartmann, Hutchinson

Walter C. Hong, Minneapolis
Leonard William Johnson, Ely
Douglas Elmer Julin, St. Paul
George Edward Lerick, St. Paul, WITH
DISTINCTION
Louis Scipioni, Virginia
Richard Elliot Thompson, Lakefield,
WITH DISTINCTION

Bachelor of Petroleum Engineering

Clark Emil Dahlman, Minneapolis

Wesley Franklin Danielson, Annan-
dale, WITH DISTINCTION

Harold Stanley Winston, Minneapolis

Bachelor of Physics

Lauren Harold Bullis, Minneapolis
Samuel Joseph Fine, Minneapolis
John Douglas Gould, Minneapolis,
WITH DISTINCTION
Arnold Hyman Joseph, Minneapolis
Robert Martin Kastner, Waseca

Carl Arthur Miller, Walker
Paul Emanuel Oberg, Alexandria,
WITH DISTINCTION
George B. Richter, St. Cloud
James Daniel Tupac, Chisholm, WITH
HIGH DISTINCTION

Electrical Engineer

Walter C. Bloomquist, Schenectady,
N.Y.

Arthur M. Braaten, River Head, Long
Island, N.Y.

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Charles Albert Anderson, Jr., Little-
fork, Agriculture, WITH DISTINCTION
Donald Leslie Anderson, Minneapolis,
Forestry
William Albert Aultfather, Elizabeth,
N.J., Forestry
George Badovinac, Chisholm, Forestry
Helen Virginia Baillif, Minneapolis,
Home Economics
Orville Melvin Bakke, Minneapolis,
Agriculture
Lois Madden Baldwin, St. Paul, Home
Economics
Henry Louis Banal, Buhl, Veterinary
Medicine, WITH DISTINCTION

Robert Elsworth Bergquist, Atwater,
Forestry
John David Besse, Butternut, Wis.,
Forestry, WITH DISTINCTION
David Arthur Bienhoff, South
St. Paul, Agriculture, WITH HIGH
DISTINCTION
Rosemarie Godlesky Blackey, Minne-
apolis, Home Economics
Marian Barbara Blesi, Fairmont,
Home Economics
Henry Jasper Blohm, St. Paul,
Veterinary Medicine
Russell Rudolph Boehlke, Stewart,
Agriculture

- Enid Boyes, Minneapolis, Home Economics
- Alice Ann Brand, South St. Paul, Home Economics
- Carol Ann Brand, Minneapolis, Home Economics
- Raymond H. Brendemuehl, Milwaukee, Wis., Forestry, WITH DISTINCTION
- Harold Robert Brown, Carlton, Agriculture
- William Oliver Bulger, St. Paul, Science Specialization
- Robert William Buselmeier, Hastings, Fish and Wildlife Management
- Leslie John Butman, Pipestone, Veterinary Medicine
- William John Cameron, Luverne, Veterinary Medicine
- Robert H. Carleton, Duluth, Agriculture
- Melvin Sidney Carlson, Glenburn, N.D., Agriculture, WITH DISTINCTION
- Ralph William Carlson, Ellsworth, Wis., Forestry
- William Harold Cheeseman, Little Falls, Forestry
- Edward Martin Christianson, St. Charles, Forestry
- Mary Marguerite Christianson, Minneapolis, Home Economics
- Edward Henry Clausen, Janesville, Agriculture
- Lois Paulena Cleland, St. Paul, Home Economics, WITH DISTINCTION
- Gordon Edwin Close, Byron, Forestry
- Gerald Lewis Coffman, Minneapolis, Agriculture
- Lloyd Emory Collings, St. Paul, Agriculture
- Colin Connel, St. Paul, Agriculture
- Howard John Cook, Fort Atkinson, Wis., Veterinary Medicine, WITH DISTINCTION
- Charles Fisher Cooper, Kenosha, Wis., Forestry, WITH DISTINCTION
- Nancy Ann Coulter, St. Paul, Home Economics
- Dennis Henry Cox, St. Paul, Agriculture
- Martin Alan Coyer, Mankato, Forestry, WITH DISTINCTION
- Theora Jane Dalager, Glenwood, Home Economics
- Alvin Michael Dietz, New Prague, Agriculture
- Jeanette Carol Dockstader, Bovey, Home Economics
- Anita Jean Sanderson Dow, St. Paul, Home Economics
- Daniel Downs, Minneapolis, Agriculture
- Calvin Willard Dunnell, Brainerd, Forestry, WITH DISTINCTION
- Philip John Dziuk, Foley, Agriculture, WITH DISTINCTION
- Jack Ross Eggan, Minneapolis, Forestry
- Roger Allen Ekbohm, Willmar, Agriculture
- Wandell O. Elliott, New York, N.Y., Forestry
- Frederick Gustav Erickson, Duluth, Forestry
- Wallace Elmer Erickson, Rush City, Agriculture
- Donald Elliott Ericson, Loretto, Agriculture
- Winton Evans, Willmar, Veterinary Medicine
- Janet Elaine Falkenberg, Virginia, Home Economics
- Donald Raymond Franklin, Sioux City, Iowa, Fish and Wildlife Management, WITH DISTINCTION
- Norman I. Frederickson, Hanska, Veterinary Medicine
- Eiler Dixen Frederiksen, Askov, Veterinary Medicine
- John Frederick Frojen, Minneapolis, Forestry
- Laurence Eakin Gage, Minneapolis, Agriculture
- Hart Phillip Graeber, Maple Plain, Agriculture
- Sarah Louise Graham, St. Paul, Home Economics
- Corinne Antoinette Miller Grolla, A.A., Minneapolis, Home Economics

- Verdie Merlin Gysland, Gary, Veterinary Medicine
- Clyde Douglas Haines, Jr., Minneapolis, Fish and Wildlife Management
- Lewis Dale Hammer, Norris, Agriculture
- Heman Allen Hancock, Brook Park, Veterinary Medicine
- Cecilia Anne Hanratty, Minneapolis, Home Economics
- Dolores Vogen Hanson, Minneapolis, Home Economics
- Paul Arthur Hedin, B.A., Maple Plain, Science Specialization
- Daniel Robert Herbert, Minneapolis, Forestry
- Hilding Leonard Hokanson, Pelican Rapids, Agriculture
- Melvin S. Hougen, Minneapolis, Forestry
- Robert Glen Huston, Duluth, Forestry
- Glea Lewis Hyland, Claremont, Forestry
- Donald Orrin Ingram, Grand Marais, Forestry, WITH DISTINCTION
- LaVerne Gordon Isenberg, Winthrop, Agriculture, WITH DISTINCTION
- Virgil M. Israelson, Hillman, Agriculture
- Wesley Luallen Jacobson, Clarkfield, Agriculture
- Barbara Joanne Johnson, Milaca, Home Economics, WITH DISTINCTION
- Carl Henry Johnson, St. Paul, Agriculture
- Norma Alice Johnson, Minneapolis, Home Economics
- Oscar Walter Johnson, Milaca, Forestry
- Donald Edwin Jones, Lake Crystal, Forestry
- Millard William Jones, Owatonna, Agriculture
- Orville Dean Joul, Lakefield, Agriculture
- H. Reed Kettlewell, Minneapolis, Agriculture
- Dean Raymond Kingrey, Worthington, Veterinary Medicine
- Martin Kermit Kjolhaug, Clearbrook, Agriculture
- Harold John Knauss, Nerstrand, Science Specialization
- James Lloyd Knutson, Fertile, Science Specialization, WITH HIGH DISTINCTION
- Lloyd Sigfred Knutson, Twin Valley, Forestry
- Jeanne Marie Koepke, Minneapolis, Home Economics
- Edmund Joseph Kohler, St. Paul, Veterinary Medicine
- Philip Edward Kohlhasse, Bertha, Forestry
- Jean Ann Kovar, Owatonna, Home Economics
- Alphonse Joseph Kunkel, Kimball, Veterinary Medicine, WITH DISTINCTION
- Ralph James Kurka, Breckenridge, Forestry
- Harland Bernard LaFortune, Duluth, Forestry
- Agnes Jean Larson, Nashwauk, Home Economics
- Herbert Alvin Larson, Malmo, Agriculture
- John Fredrick Larson, Breckenridge, Veterinary Medicine, WITH DISTINCTION
- Kermit E. Larson, Kiester, Agriculture
- Lester Leroy Larson, Fergus Falls, Veterinary Medicine, WITH HIGH DISTINCTION
- Calvin Jay Lensink, Rushford, Fish and Wildlife Management
- James Helmer Lind, Winthrop, Agriculture
- Vernon Virgil Lindholm, Milwaukee, Wis., Forestry
- Lennart Ernest Lundberg, Gheen, Forestry, WITH DISTINCTION
- William Matthew Manion, St. Paul, Agriculture
- Michael Joseph Marrinan, Jr., St. Paul, Forestry

- Francis Clayton Marshall, Minneapolis, Forestry
- Donald Miller Mason, Mankato, Veterinary Medicine, WITH HIGH DISTINCTION
- Jacqueline Jean Mast, St. Paul, Home Economics
- Richard Wells McCune, Clinton, Iowa, Forestry
- Robert Charles McClester, St. Paul, Agriculture
- Jean Eleanor McWilliams, Fisher Home Economics, WITH DISTINCTION
- Joyce Evelyn McWilliams, Fisher, Home Economics, WITH DISTINCTION
- Edward John Mervich, Minneapolis, Forestry
- William Arthur Milbrath, Bertha, Agriculture
- Emerson Warren Mistelske, Vergas, Agriculture
- Raymond Morris Mitteness, Benson, Agriculture
- Herbert Himebaugh Moline, Iron, Agriculture
- Jerald Arthur Mortensen, Robbinsdale, Forestry
- Norman Gottlieb Mueller, Springfield, Veterinary Medicine
- Alice Louise Nelson, Woodstock, Ill., Home Economics
- Charles J. Nelson, Mankato, Agriculture
- Ernest Alton Nelson, Fosston, Agriculture
- Harry Franklin Nelson, A.A., Amboy, Agriculture
- Harvey Kenneth Nelson, Evansville, Fish and Wildlife Management
- Quentin Harold Nelson, A.S., Virginia, Agriculture
- Wallace Warren Nelson, Walnut Grove, Science Specialization, WITH DISTINCTION
- Duane Dale Noel, Waseca, Forestry
- Robert Joseph O'Hern, Minneapolis, Veterinary Medicine
- Bette Jean Olevson, Minneota, Home Economics
- Hector Olaf Olson, Vining, Agriculture
- Robert Thomas Olson, Minneapolis, Science Specialization, WITH DISTINCTION
- Raymond G. Otto, Sauk Rapids, Agriculture
- Domenico Antonio Pagnotta, B.Ch.E., Nashwauk, Forestry
- Maurice James Palmer, Stillwater, Veterinary Medicine, WITH DISTINCTION
- Julius Pauley, Stillwater, Agriculture
- Roger Alden Pearson, Detroit Lakes, Forestry
- Anita Gerd Peterson, Minneapolis, Agriculture, WITH DISTINCTION
- Dale Joseph Pfankuch, St. Paul, Forestry
- Frans George Pieters, Guatemala City, Guatemala, Agriculture, WITH DISTINCTION
- Leo Burton Pospichal, Chisholm, Fish and Wildlife Management, WITH DISTINCTION
- Marjorie Geraldine Prescott, Minneapolis, Home Economics, WITH DISTINCTION
- Rodney Morton Henry Revsbech, Minneapolis, Fish and Wildlife Management
- Robert Arthur Reynolds, Redwood Falls, Fish and Wildlife Management
- Garry B. Ringold, St. Paul, Forestry
- Stanley B. Ringold, St. Paul, Forestry
- Duane Allan Robey, Minneapolis, Agriculture
- Paul Clifford Roeber, Robbinsdale, Forestry
- Eugene Peter Romanski, South St. Paul, Forestry
- Farrell Edward Roser, Kandiyohi, Agriculture
- Norman Russell Rowe, West Salem, Wis., Agriculture
- Howard John Russell, Jr., Villa Park, Ill., Forestry
- LeRoy Harold Rutske, Glencoe, Fish and Wildlife Management, WITH DISTINCTION

John E. Sallstrom, Winthrop, Agriculture
 Dixon Lane Sandberg, Rice Lake, Wis., Forestry, WITH DISTINCTION
 Glen Otis Schubert, Minneapolis, Veterinary Medicine
 Elbert Duane Seaquist, B.Ed., St. Louis Park, Forestry
 Keith Raymond Shea, St. Paul, Forestry
 Joseph Anton Sigfrid, Parkers Prairie, Veterinary Medicine
 Donald Lee Simcoe, Excelsior, Agriculture
 Lloyd Harold Skaar, Minneapolis, Agriculture
 Frank Irving Skadsberg, Duluth, Forestry
 Richard Arnold Skok, St. Paul, Forestry, WITH DISTINCTION
 Bertram Lee Smith, Ada, Veterinary Medicine
 Anita Frame Sombs, Faribault, Home Economics
 Ralph Joel Sombs, Pengilly, Forestry
 Donald Wayne Sunderman, LeSueur, Agriculture, WITH DISTINCTION
 Ralph John Swan, Aurora, Ill., Forestry
 Carla Elvira Swanson, Minneapolis, Home Economics
 Gordon Carl Swanson, St. Paul, Agriculture
 Winston Emanuel Swanson, St. Paul, Forestry
 Archie Ranerth Syverson, Ulen, Agriculture
 Mervin R. Syverson, Ulen, Agriculture
 Merle William Tellekson, Oshkosh, Wis., Forestry
 Harold Herman Templin, Glencoe, Veterinary Medicine
 Francis Elwood Tengvall, Benson, Agriculture
 Eldon Albert Tessman, Osseo, Agriculture
 Earl Leonard Thompson, St. Charles, Agriculture
 Herbert David Thurston, Sioux Falls, S.D., Science Specialization, WITH DISTINCTION
 Donald Kenneth Trembath, Hurley, Wis., Forestry
 Clarence James Treumer, Minneapolis, Forestry
 Ollie Stahl Tuff, Wichita, Kan., Home Economics
 Lyle Roger Tweten, Fosston, Agriculture
 James Andrew Tyvand, Minneapolis, Agriculture
 Edward Anthony Usenik, Eveleth, Veterinary Medicine
 George Elmer Valo, St. Paul, Agriculture
 Donald Francis Verreux, Crookston, Forestry
 Robert Berkley Wallin, Fond du Lac, Wis., Forestry, WITH DISTINCTION
 Allen Francis Wanquist, Wrenshall, Agriculture
 Donald Anton Warman, Stillwater, Forestry
 Helen Lee Wasson, Alexandria, Va., Home Economics
 Audrey Ann Weber, Minneapolis, Home Economics, WITH DISTINCTION
 William Philip Wenger, St. Paul, Forestry
 Anton Henry Westerhaus, Duluth, Agriculture
 Charles E. Williams, Isanti, Agriculture
 Robert Windschitl, Comfrey, Veterinary Medicine, WITH DISTINCTION
 Steve Henry Wise, Fall Creek, Wis., Forestry, WITH DISTINCTION
 Anton William Zweber, New Market, Agriculture

Master of Forestry

Frank Dunham Irving, Jr., B.S., Westfield, N. J.
 Harry William Juntilla, B.S., Minneapolis
 Walter William Talbert, B.S., Long Lake

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE AND COLLEGE OF EDUCATION

Bachelor of Science

- | | |
|---|---|
| <p>Raymond Arthur Anderson, Duluth, Agricultural Education, WITH DISTINCTION</p> <p>Richard Hilmer Anderson, Cohasset, Agricultural Education, WITH DISTINCTION</p> <p>Donald Dean Baustian, Braham, Agricultural Education</p> <p>Kayle Edward Becker, Farmington, Agricultural Education</p> <p>Doris Virginia Bell, Windom, Home Economics Education, WITH DISTINCTION</p> <p>Clifford Anton Benson, Springfield, Agricultural Education</p> <p>Virginia LeClaire Clark, St. Paul, Home Economics Education</p> <p>Grace Marie Eckblad, Red Wing, Home Economics Education</p> <p>Carl Richard Forsline, Cook, Agricultural Education</p> <p>Donald Elroy Frederick, Westport, Agricultural Education</p> <p>Leola Ann Gay, Hinckley, Home Economics Education</p> <p>Joyce Alyce Gilbert, A.A., Lake Crystal, Home Economics Education</p> <p>Arlene June Grimm, Minneapolis, Home Economics Education</p> <p>Barbara Hansen, Minneapolis, Home Economics Education</p> <p>Robert Alfred Hanson, Hector, Agricultural Education, WITH HIGH DISTINCTION</p> <p>Alfred August Heichel, Osceola, Wis., Agricultural Education</p> <p>Geraldine Bobbette Keachie, Duluth, Home Economics Education</p> <p>Lorna Petersen Kittleston, Minneapolis, Home Economics Education</p> <p>Martin Harm Klingenberg, Clements, Agricultural Education</p> | <p>Emery Adolph Krech, South St. Paul, Agricultural Education</p> <p>Joanne Winifred Larson, North Branch, Home Economics Education</p> <p>Marian Odell Larson, Thief River Falls, Home Economics Education</p> <p>Edwin Irvin Lentz, New Ulm, Agricultural Education, WITH DISTINCTION</p> <p>Elwin Leland Leverington, Pine River, Agricultural Education</p> <p>Lila Mae Lindeman, Redwood Falls, Home Economics Education, WITH DISTINCTION</p> <p>Lloyd Elmer Lofgren, Moose Lake, Agricultural Education</p> <p>Lola Ardelle Lueck, Cannon Falls, Home Economics Education</p> <p>Shirley Ann McDonald, Wabasha, Home Economics Education</p> <p>Catherine Lucy McGowan, Minneapolis, Home Economics Education</p> <p>Emily Evelyn Moore, Albert Lea, Home Economics Education, WITH DISTINCTION</p> <p>Ted Raphael Musielewicz, Little Falls, Agricultural Education</p> <p>Joan Nash, Baudette, Home Economics Education</p> <p>JoAnn Mary Neville, Pine City, Home Economics Education</p> <p>Carmen Ordell Nohre, Houston, Agricultural Education, WITH HIGH DISTINCTION</p> <p>Mary Etta Olson, Truman, Home Economics Education</p> <p>William Louis Olson, Duluth, Agricultural Education</p> <p>Robert William Pengilly, Minneapolis, Agricultural Education</p> <p>Charles Anton Peterka, Aurora, Agricultural Education</p> |
|---|---|

Kathryn Ruth Peterson, Monterey,
Home Economics Education
Leslie Walter Peterson, Sherburn,
Agricultural Education
Eldred M. Phillips, Good Thunder,
Agricultural Education, WITH DISTINCTION
Milford Norman Reed, Minneapolis,
Agricultural Education
Dona Christine Renne, Minneapolis,
Home Economics Education, WITH DISTINCTION
Robert Gustav Rohner, Forest Lake,
Agricultural Education
Anna-Mae Kathleen Rozycki, Blackduck,
Home Economics Education
Marion Kathlene Saari, Soudan,
Home Economics Education, WITH DISTINCTION
George Edward Sands, Alvarado, Agricultural Education

G. Patricia Schenk, Anoka, Home Economics Education
Mavis Joy Schultz, Le Sueur, Home Economics Education
Eldon Herman Senske, Perham, Agricultural Education
Gertrude L. Soderberg, Duluth, Home Economics Education, WITH DISTINCTION
Marlyce June Spute, Glen, Home Economics Education
Norbert Eugene Stelten, Kimball, Agricultural Education
LaVern Robert Wagner, Minneapolis, Agricultural Education
Jeanne Mary Weinand, Hanover, Home Economics Education
Herman Mathias Winkels, Adams, Agricultural Education

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE AND SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Agricultural Business Administration

Earl Keith Burbridge, Cedar Falls, Iowa, WITH HIGH DISTINCTION
Howard Lowell Carlson, Parkers Prairie

Forrest Russell Mykleby, Eldred
Robert L. Pool, Farmington

COLLEGE OF EDUCATION

Bachelor of Science

George Joseph Acko, Minneapolis, WITH DISTINCTION
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James Henry Albrecht, St. Paul
Charles Raymond Albro, Minneapolis
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Donald Richard Anderson, Minneapolis
Jean Elese Anderson, St. Paul*
Joyce Marily Anderson, St. Paul

Marjorie Adele Anderson, B.A., Chisholm
Olga Faye Anderson, B.A., St. Paul
Verna Naomi Anderson, Minneapolis
Carl Roger Andre, St. Paul
Ann Lenore Archibald, B.A., Minneapolis
John Richard Aura, Minneapolis
Chester Myron Austinson, Lyle
Barbara Jean Bachmann, Minneapolis

* Nursing Education Curriculum.

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 Mary Ballinger, Spring Valley
 Stanley Wayne Bartilson, Colfax,
 Wis.
 LaVerne Charlotte Barton, Minne-
 apolis
 Glenn Emil Bartsch, Rapidan, WITH
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 Catherine Audry Bastien, St. Paul
 Rolland Oliver Benedict, Minneapolis
 Jeanette Florence Benson, St. Paul
 Bradley Allen Bentson, Minneapolis
 Mary Elizabeth Berdan, Minneapolis
 Boyd LeRoy Berg, Garfield
 William Bly Berg, Minneapolis
 Earle Alliston Berge, A.A., Minne-
 apolis
 John Harold Berglund, Minneapolis
 Betty Jeanne Bergquist, Minneapolis
 Yvonne Marlene Bergstrom, St. Paul
 Wallace Melvin Bernards, Blue Earth
 Robert Clark Berry, Minneapolis
 Marion Elaine Beske, Hector
 Robert Dale Biddick, B.A., Thief
 River Falls
 LaVonne Blocker Bly, Springfield
 Peter Berg Bly, Minneapolis
 Albert Henry Borer, Jr., Minneapolis
 Quentin Richard Bosiger, Minne-
 apolis
 Robert Patten Boyle, Minneapolis
 Betty May Brandt, A.A., Minneapolis,
 WITH DISTINCTION
 Peter Steve Brinda, Minneapolis
 Betty Lou Brooking, Minneapolis
 Frank Harold Brown, Minneapolis
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 ville
 Mary Lou Bryant, West St. Paul
 Joyce Bubis, Minneapolis
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 Wis., WITH DISTINCTION
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 WITH DISTINCTION
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 WITH HIGH DISTINCTION

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 Carl Gunnard Carlson, Virginia
 Charlotte Muriel Carlson, Minne-
 apolis
 Kenneth Donald Carlson, B.A., Will-
 mar
 Mary Boyd Carman, Pipestone
 Eileen Danelz Casey, B.A., Minne-
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 James HernDon Casey, A.L.A.,
 St. Paul
 Jean Elizabeth Chapin, G.N., Dodge
 Center, WITH DISTINCTION*
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 S.D.
 Raymond Emmet Christesen, St. Paul,
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 Paula Dorothea Cloeter, Minneapolis,
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 Wanda Jane Comstock, Red Wing
 Peter Albert Cortese, Keewatin
 Marguerite Emm Crain, Morton*
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 apolis
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 Sumiko Ito Dahlman, Minneapolis,
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 Ann Bernice Derauf, B.A., St. Paul
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 Veral N. Donaldson, St. Paul
 Suzanne DuToit, Chaska
 Mary Josephine Edwards, G.N., R.N.,
 Indianapolis, Ind.*
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 James Karl Ericson, New Rockford,
 N.D.
 Mildred Vernetta Ericson, Minne-
 apolis
 Mary Patricia Falvey, St. Paul
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 Catherine Baxter Findlay, R.N., Red
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 Jeanne Maxine Fitzsimmons, A.A.,
 Brainerd
 Gordon Flattum, Minneapolis
 William Harold Forsberg, Minne-
 apolis
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 Douglas Ellwood Fox, Excelsior, WITH
 DISTINCTION
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 Ill., WITH HIGH DISTINCTION
 Susan Ann Fredrickson, Santa Cruz,
 Calif.
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 Thomas William Gannaway, St. Paul
 William Earl Gardner, Hopkins, WITH
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 Joan Sandra Gilbert, Minneapolis
 Stanley Wynne Gilbertson, Minne-
 apolis
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 Doris Norma Goltz, R.N., Milaca*

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 Merle Dale Griffith, Minneapolis
 Roy Grijak, Duluth, WITH DISTINC-
 TION
 Donald Robert Grosenick, Minne-
 apolis
 Donald George Gurnoe, Minneapolis
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 Clarisse L. Hakala, Keewatin
 Mary Hand, South St. Paul, WITH
 DISTINCTION
 Allen Eugene Hansen, Monticello
 Janice Arlene Hanson, Minneapolis,
 WITH DISTINCTION
 Ruthmarie Hanson, Minneapolis
 Mary Starke Harper, Tuskegee, Ala.*
 Lee Harry Hart, Glenwood, WITH
 DISTINCTION
 Ardys Barbara Hawkinson, A.S., Vir-
 ginia
 Donna Jean Heise, Mankato
 Ernestine Eugenia Held, Golden
 Valley
 Dale Harlan Helgesen, B.A., Lake
 Mills, Iowa
 Arwed Albert Henning, A.A., Minne-
 apolis
 Mary Jane Hickok, Minneapolis
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 Iowa, WITH DISTINCTION*
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 Mich.*
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 Anna Marie Huston, A.A., Minne-
 apolis
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- Mary Madriene Jacob, Minneapolis
- Rhoda Neimark Jaffe, Minneapolis, WITH DISTINCTION
- Floyd Roman Jaszewski, Minneapolis
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- James Edward Jensen, Minneapolis
- Ralph Peter Jensen, St. Paul
- Robert Everett Jenson, Minneapolis
- Esther Utoft Johansen, Tyler, WITH DISTINCTION
- Arden John Johnson, A.L.A., Vernon Center
- Bertil Eugene Johnson, Minneapolis
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- Cleo Elizabeth Johnson, B.A., Wayzata
- Eunice Marie Anderson Johnson, Chisholm*
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- Irene Martha Johnson, St. Paul
- Laura Marie Johnson, Moose Lake
- Virgil S. Johnson, A.A., Minneapolis
- Virginia Jean Johnson, St. Paul
- William Harry Johnson, A.A., Minneapolis
- James Steven Johnston, St. Paul
- William Stanley Johnston, Minneapolis
- Ruth Elizabeth Jorgensen, Hopkins
- Harvey Lawrence Kaplan, St. Paul, WITH DISTINCTION
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- Elizabeth Yasuko Kitagawa, Minneapolis
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- Edward Anthony Klis, Minneapolis
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- Harry Charles Knoblauch, St. Paul
- Norbert Thomas Koch, Jr., Minneapolis
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- James Richard Kough, Minneapolis
- John Hubert Krekelberg, Brainerd
- Alice Elaine Partanen Kuutti, Bovey
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- Barbara Joan Lee, Alexandria
- Mary Helen Leverett, Minneapolis
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- Donald R. Lincoln, A.A., Minneapolis
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- Janet Dorothy Linell, St. Paul
- Margaret Louise Linster, Crookston, WITH DISTINCTION
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- Francis Edmund Logan, Minneapolis
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- Russell DuWane Madsen, Lake Bronson
- Thomas George Mahoney, Minneapolis
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- Eugene Arthur Malmstedt, A.A., St. Paul
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- Violet Marie Matson, St. Paul, WITH DISTINCTION*
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 Carolyn Haugh McNiff, Minneapolis
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 WITH HIGH DISTINCTION
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 Kathryn Lois Michaelson, Dawson
 Dwight Kenneth Miller, B.A., Colton,
 S.D.
 Lois Jean Miller, G.N., Turtle Lake,
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 Marlys Elizabeth Morrill, Anoka,
 WITH DISTINCTION
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 Wis.
 William Stewart Motter, Defiance,
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 Anne Sylvia Myrin, Garfield, WITH
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 Naomi Margaret Nechtel, Minneapolis,
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 Leo Joseph Nomellini, Minneapolis
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 Paul
 John Rollie Nygren, Minneapolis
 Arthur Arnold Nyman, Ely
 Mary Joan O'Connell, Minneapolis

Ruby Adeline Okerstrom, Minneapolis, WITH DISTINCTION
 Lorraine Kathryn Olsen, Rochester
 Janet Mae Olson, St. Paul, WITH
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 Lois Ona Olson, DeSoto, Wis.*
 Lucille Marie Olson, Minneapolis
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 Shirley Ann Olson, Minneapolis
 Janna Bagley Oppedgaard, Crookston,
 WITH DISTINCTION
 Earl Willard Orr, Faribault
 Joseph Patrick Papatola, Nashwauk
 Michael Anthony Pappone, Virginia,
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 Margaret Helseth Pascoe, St. Louis
 Park
 James Collins Pearce, Minneapolis
 Isabelle Frances Pelstrng, Minneapolis*
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 Heights
 Barbara Ruth Peterson, Minneapolis
 Neal Douglas Peterson, Minneapolis
 Violet Naomi Peterson, Hallock
 Warren Anthony Peterson, Marble
 Murlyn Jane Petrich, Glencoe
 Mary Jane Pinkerton, Minneapolis
 Goldie Ruth Piroch, Minneapolis
 Helen Elwood Platt, Minneapolis*
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 Rock, Wis.*
 Marshall Robert Prescott, St. Paul
 Jean Frances Pretzel, Stillwater
 Joan Pribnow, Mankato
 Alice Elaine Price, LeRoy
 Donald Gunder Qually, St. Paul
 Paul Edward Racer, St. Paul
 John Joe Rak, A.A., Columbia Heights
 Lorraine Shirley Ramberg, St. Paul,
 WITH DISTINCTION
 Hilda B. Raveling, St. Paul*
 Jean Elizabeth Reed, Minneapolis
 Richard Edward Reichow, Austin
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- Austin Harper Richardson, Austin
- Lucinda Roberts, Minneapolis
- Robert Malcolm Rodby, Virginia
- Peter Roman, Minneapolis
- Janis Lillian Romell, St. Paul
- Marilyn Marie Elizabeth Ronning,
Kenyon
- Barbara Jean Rosebrock, Owatonna
- Richard Byron Rosewall, Blue Earth,
WITH DISTINCTION
- Werner Louis Rosin, Easton
- Jacqueline Ann Roth, Minneapolis
- John Samuel Rothamel, Kensett, Iowa
- Maxine Louise Rotsolk, Minneapolis
- Nicholas Kenneth Rusinak, Minne-
apolis
- Teresa T. Sadoff, Minneapolis, WITH
DISTINCTION
- William Frank Sagert, St. Paul
- Marilyn Mae Sauer, B.A., Minneapolis
- Robert Jerome St. Cyr, Grand Rapids
- Steven Hine St. Martin, Bloomington
- John Myron Sanderson, Jr., Minne-
apolis, WITH DISTINCTION
- Bernard Michael Sarich, Hibbing,
WITH DISTINCTION
- Mary Adeline Sauter, Fulda
- Robert Patrick Savage, Minneapolis
- William John Schill, Hibbing
- Betty Blike Schloner, Minneapolis
- John Arthur Schoen, Freeborn
- Edward William Schornstein,
Brainerd
- Mary Rose Schueller, Wabasso
- Carol Johanna Schwartz, St. Paul
- George Stanley Scott, Nevis, WITH
DISTINCTION
- Janet Margaret Scott, Faribault
- Sumner Thomas Scott, Jr., Fairmont
- Jean Louise Scroggins, Minneapolis
- Dorothy Jean Sederberg, Minneapolis,
WITH DISTINCTION
- Yvonne Claire Shepard, St. Paul*
- Daniel Rae Sheplee, Minneapolis
- Harriette Phyllis Shipton, Minne-
apolis
- Phyllis Jo Horne Silverman, B.A.,
Hollywood, Fla.
- George William Smith, Oosso
- Gerald Thomas Smith, Minneapolis
- Robert Ernest Smith, St. Paul
- LeRoy Wilbur Snider, Minneapolis
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- Gordon Leroy Soltau, Duluth
- Joseph Leo Spaeth, Springfield
- Jerry E. Springer, Brooklyn Center,
WITH DISTINCTION
- Harriet Pauline Stafford, Atwater,
WITH DISTINCTION*
- Cresander Andrew Stang, Jordan
- Natalie Naomi Stein, St. Paul
- Lorraine Mac Stevenson, Minneapolis
- Margaret Jean Stigaard, Pipestone
- Calvin Carl Stoll, Tower City, N.D.,
WITH DISTINCTION
- Grace Street, St. Paul
- Elizabeth May Struble, St. Paul, WITH
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- Gerald Edward Swanson, B.A., Minne-
apolis
- Rebecca Elizabeth Swanson, G.N.,
Pelican Rapids, WITH DISTINCTION*
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- Kernit LeRoy Swenson, Minneapolis
- Edward Ambrose Swiderski, Minne-
apolis
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- Kenneth Irvin Taylor, Springfield
- Patricia Taylor, Minneapolis
- Lloyd Wesley Telschow, St. Paul
- Phyllis Ruth Thompson, Verdale
- Thomas John Thompson, A.A.,
Minneapolis
- William Ralph Thompson, Minne-
apolis
- Shirley Gwen Thomton, Belle Plaine
- Gordon Ellis Tjerlund, Minneapolis
- Kathryn Jean Townsend, Belle Plaine
- Kay Shida Tsukuno, Chicago, Ill.*
- Tracy Ferris Tyler, Jr., B.B.A., St.
Paul
- Virgil Kenneth Villnow, Aitkin
- Eva A. Creighton Vinton, Minne-
apolis
- Elfrieda Faith Vollwich, A.A., Minne-
apolis
- Robert Bernard Waldoch, St. Paul
- Carolyn Shirley Waldon, Minneapolis

* Nursing Education Curriculum.

Doris Elaine Wall, R.N., New
London*
Russell Boyd Wallner, St. Paul
Richard Ralph Wariakois, A.A., Min-
neapolis
Theodora Ringberg Wariakois, St.
Paul
Phyllis J. Weakly, Minneapolis
Margaret Charlotte Weatherhead,
New Richmond, Wis.*
Alice Carol Webster, St. Paul
Shirley Barbara Weinberg, Minne-
apolis
William Fred West, Jr., Minneapolis
Neil Charles Westerlund, Hopkins
Bruce Douglas Westling, Milaca
Joann Wilma Wicklund, Hopkins
Ardeth Elaine Wiese, R.N., Minne-
apolis*

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Rosemary Ann Wilkowski, B.S.L.,
Perham
James Douglas Williams, Minneapolis
Arthur Paul Wilson, Minneapolis
Bruce Gilman Wilson, A.A., Minne-
apolis
Mary Marguerite Wilson, Minneapolis
William Carl Wilson, Minneapolis
Frederick R. Wolf, St. Paul
Genevieve Danielson Wolfgram, Du-
luth, WITH DISTINCTION
Elsbeth Jean Wooldridge, Minne-
apolis
Ruth Anne Youngquist, Minneapolis
George Frederick Zeise, Owatonna
Charles Almond Zwiener, St. Paul

Bachelor of Science in Library Science

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Verona, N.D.
Patricia Miriam Dahl, B.S., Minne-
apolis
Lorraine Norma Ellis, B.S., in Ed.,
Starkweather, N.D.
Cecelia Anne Jansen, B.A., Verndale

Lloyd Wilfred LeDoux, B.S. in Ed.,
St. Cloud
Mary Cecelia O'Reilly, B.A., Robbins-
dale
Doris Ellen Priem, B.A., Nora Springs,
Iowa

Master of Education

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Leo Eugene Cooper, B.S., La Crosse,
Wis.
Everett Eugene Dodge, B.S., Buffalo
Lake
Paul Gordon Embretson, B.A., Rob-
binsdale
Bernice Marjorie Hagie, B.S., Minne-
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Michael A. Kissell, B.S., Minneapolis
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B.S., St. Paul
John Howard Leslie, B.S., St. Paul

Kenneth Joseph Mauer, B.S., St. Paul
Sara Josephine McGuire, B.S. in Ed.,
Ashland, Ky.
Joseph Anthony Nowotny, B.S.,
Minneapolis
George Kenneth Olson, B.S., Minne-
apolis
Brooks Arden Parsons, B.S., Rising-
sun, Ohio
Adelaide Hall Schwabacher, B.A.,
Berkeley, Calif.
Hyman Morris Simos, B.S., St. Paul
Ralph Wilmer Tucker, B.S., Fairbury,
Neb.
Donald Fred Zaspel, B.S., North St.
Paul

* Nursing Education Curriculum.

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

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Howard Robert Alton, Jr., Pipestone
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Donald Alton Baird, Minneapolis
Alphine Anderson Black, Minneapolis
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Bear Lake
Samuel Alexander Barclay, Stillwater
Loren LeRoy Bentz, Minneapolis
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Thomas Dixon Bonner, A.S., Virginia
Carl Franklin Borgfelt, Cloquet
John Lester Borgfelt, Cloquet
Roger Stewart Bottum, Wessington,
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Walter James Carlson, Minneapolis
George Augustus Chapman, Minne-
apolis
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apolis
Robert Henry Christenson, Comfrey
Richard Bruce Cook, St. Paul
Adine Clare Cornelius, Minneapolis
William Edward Costello, Kellogg,
WITH HIGH DISTINCTION
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James Gilman Creighton, Minneapolis
Merlin Wayne Cross, Winnebago
Frederick A. Dahl, Minneapolis
Gerald Hancock Dakin, Great Falls,
Mont.
Archie Theodore Dalbotten, Kenyon
Richard Paul Daly, Minneapolis, WITH
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Glenn Allen Degendorfer, Minne-
apolis
John Fredrick Dexter, Minneapolis
Harold Henry Diersen, Caledonia
Donald Julius Diesen, Cloquet
David Earl Dinham, Duluth
Arnold Divine, St. Paul
Lawrence Edward Dornier, A.L.A., St.
Paul, WITH DISTINCTION
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Duncan Alexander Drannen, Atkin-
son
Dennis William Dunne, Billings,
Mont.
Donald Austin Edlund, Minneapolis
Roald Armand Eide, Fertile
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David Richard Fesler, St. Paul, WITH
DISTINCTION
Donald James Fisher, West Bend,
Iowa
Robert Charles Fossey, A.A., Austin
Richard Anthony Franzen, Minne-
apolis
James Clarence Fredrickson,
Le Center
Royce Gerald Freese, Minneapolis,
WITH DISTINCTION
George William Frey, Jr., Edina
Richard Allan Funk, Rochester
Norbert John Gehlsen, St. Paul Park
James Emmett Gibson, St. Paul
Donald Bernard Gilbertsen, Winona
Marshall Herbert Goldberg, Minne-
apolis
Gayle Warner Hall, Minneapolis
Orvin Joseph Hall, Minneapolis
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B.S., Wayzata
James Clarence Hedberg, Rochester
John William Helgeson, Rhineland,
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binsdale
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William A. Hemmersbaugh, St. Paul
Philip Raymond Hill, Shakopee
George Berry Hohler, Minneapolis
Kenneth Darell Holmes, Minneapolis
Garald Robert Hottman, Mankato
Francis Edward Hughes, Duluth

Wendell Page Ingraham, Jr., Minneapolis
 Burton Juel Iverson, West Concord
 Marlowe Wendell Iverson, Minneapolis, WITH DISTINCTION
 Mervin Vincent Jacobson, Albert Lea
 Darell LeVerne Johnson, Brainerd
 Harlis Edwin Johnson, Minneapolis
 Joseph Edward Lawrence Johnson, Minneapolis
 Lyle Junior Johnson, Minneapolis
 Oreland Renhold Johnson, Excelsior
 Richard Harold Johnson, Minneapolis
 Ronald Bernard Johnson, Minneapolis
 Warren Claire Johnson, Clarkfield
 Thomas Leonard Joseph, Jr., St. Paul
 Richard Stewart Kennedy, Minneapolis
 Raymond Francis Kessler, Duluth
 William Robert King, Minneapolis
 Kenneth Charles Kippley, Minneapolis
 Truman Avery Kjosa, A.L.A., Webster, S.D.
 Andrew Kuehn III, Sioux Falls, S.D., WITH DISTINCTION
 Kenneth Calvin Kuhnuu, Windom
 John Albert Kvam, South Sioux City, Neb.
 Merlin Clayton Landberg, Minneapolis
 Robert Earl Langsdorf, Pine Island
 James William Larson, McAllen, Tex.
 Dean Francis LaVelle, Lakeville
 Edward Patrick Lawler, Minneapolis
 Gordon Elmer Lindberg, Minneapolis
 Glen Albert Lindgren, Minneapolis
 Kenneth Albert Lindstrom, Duluth, WITH DISTINCTION
 Robert William Long, Minneapolis
 Robert Frank Lorenz, St. Paul
 Dean Arthur Lund, Minneapolis
 Richard Bernard Lund, Rochester
 William Noren Lundberg, Minneapolis
 Jerome Joseph Mady, Duluth
 John Albert Malecha, Montgomery
 C. Marvin Mandery, St. Paul
 Dennis LeeRoy Matthews, Hallock
 Vincent Thorwald Mattison, Thompson, Iowa, WITH DISTINCTION
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 Earl K. McDonald, Minneapolis
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 Forest Wendel Medin, Anoka
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 David Timothy Meyer, St. Paul
 Wayne Anton Mikkola, Duluth
 Wayne Gordon Miller, Waseca
 John Wallace Moon, Duluth
 Robert Lincoln Murdy II, Aberdeen, S.D., WITH DISTINCTION
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 Robert Arnold Murray, St. Paul
 Reuben Elmer Neitzel, St. Cloud
 John Patrick Nelson, St. Louis Park
 Phillip VanTassel Nelson, Minneapolis
 Roger Henry Nelson, St. Paul
 Robert Charles Ness, South International Falls
 Kenneth Eugene Neumann, Grand Rapids
 Willard Donald Nordin, Minneapolis
 Donald Axel Norling, Duluth
 Roger Earl Nygard, Minneapolis
 Keith David Olson, Minneapolis
 Alvin L. Onsted, Luck, Wis.
 Paul Alfred Opsahl, Minneapolis
 Adolph Bernhard Ostby, Minneapolis, WITH DISTINCTION
 Donald Alvin Parks, A.S., Park Rapids
 John Stuart Paulson, Heron Lake
 Carl Ivar Pearson, Minneapolis
 Denis Oscar Peterson, Minneapolis
 Harlan Wayne Peterson, Aberdeen, S.D.
 John Douglas Peterson, St. Louis Park, WITH DISTINCTION
 Joseph Alois Pietsch, St. Paul
 Richard Benjamin Porter, Duluth
 Stuart Ralph Price, St. Paul
 Shirley Ptacek, St. Paul
 James Elder Quarfot, Minneapolis
 James Jasper Quinlan, Minneapolis
 Raymond Alexander Ranta, Cloquet
 Walter Hermann Rauschenfels, Duluth
 J. Samuel Reeve, Minneapolis, WITH DISTINCTION

Alan Hubert Rice, St. Paul
 Michael Patrick Richdorf, Minneapolis
 Albert Ries, Jr., Drexel Hill, Pa.
 George Hugh Rose, Minneapolis
 Ralph Thomas Ross, St. Paul
 Kenneth Maurice Rude, Sacred Heart
 Donald William Rustad, Minneapolis
 Boyd Alonzo Rutledge, Minneapolis
 William Lawrence Schad, Elgin
 Earl John Schaefer, Shakopee
 Frank Willard Schroeder, Mountain Lake
 Herbert Herman Schulte, St. Paul
 David Schwartzman, Minneapolis
 Oscar Erich Schweppe, St. James
 James Arthur Scarles, Minneapolis
William Kenneth Sheffield, Marshall,
 WITH DISTINCTION
 James Henry Shotwell, St. Paul
 Robert Osborn Simonson, St. Paul
 Carmie Lyle Skjei, McIntosh
 LeRoy Burton Slettedahl, St. Paul
Catherine Marie Smith, Minneapolis,
 WITH DISTINCTION
 Russell Edward James Smith, Grand Marais
 Leo Lawrence Solyntjes, Waterville,
 WITH DISTINCTION
 John Ethan Sorensen, North Bend, Ore.
 LuVerne Edsel Sorenson, Albert Lea
 Clifford Melvin Sour, Two Harbors
Erik Sparre, Oslo, Norway, WITH
 DISTINCTION
 Thomas T. Speltz, Albert Lea
 Douglas Derwood Stark, Rochester
 Malcolm Henry Steichen, Cold Spring
Girard Louis Stewart, Cloquet, WITH
 DISTINCTION
 John Richard Stockstead, Minneapolis
 Burt Elliott Swanson, Two Harbors
 Ruth Myra Swenson, A.L.A., Minneapolis
 William James Taft, Minneapolis
 John Alexander Taylor, Manila, Philippines
 Donald Andrews Tedlund, Duluth
 John Robert Theis, Shakopee
 Robert Lee Thomson, Homer
 James Allen Thorson, Minneapolis
 Stanley Calmer Thorstenson, St. Paul
 Donald Martin Tisdale, Livingston, Mont.
Jack Wallace Tolleson, Winona, WITH
 DISTINCTION
 Franklin Neal Vader, Minneapolis,
 WITH DISTINCTION
 Hilton Edward Vilen, Reserve, Mont.
 Demetrios John Villas, Minneapolis
 Lowell Bernard Vogel, Minneapolis
James Anton Wales, Minneapolis,
 WITH HIGH DISTINCTION
Roger Eugene Walker, St. Paul, WITH
 DISTINCTION
 Henry Tupper Way, Minneapolis
Rolland Hays White, Minneapolis,
 WITH HIGH DISTINCTION
 Alvin Norman Wickman, Minneapolis
 Donald Clarence Wickstrom, Hinckley
 Lawrence Edwin Wilke, St. Paul
Duane Ernest Windmiller, Fergus Falls,
 WITH DISTINCTION
 Robert Milton Wolter, A.A., St. Charles
 William Henry Woskie, St. Paul

Bachelor of Science in Economics

Bernice Gladys Abendroth, Minneapolis
 Guy Ford Greenleaf, St. Paul
 Richard James Keefe, Minneapolis
 Ira George Spicer, Blasdell, N.Y.
 William S. Strifert, Rochester

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

- Alan Wendell Anderson, St. Paul
Robert Junior Anderson, Duluth
Robert Roland Anderson, Waterloo,
Iowa
Robert Martin Appel, Minneapolis
Theodore Takeshi Asoo, Los Angeles,
Calif.
John Wilbert Autio, Mountain Iron
Robert Wood Bedore, Winona
Joseph Albert Benkusky, Virginia
John Rowe Berry, Glenwood
Lloyd Donald Bisset, Columbia
Heights
Donald John Bober, Watkins
Melvin Russell Brownell, Grand
Meadow
Harvey Lloyd Buchholz, Hendricks
Charles David Carlson, Willmar
Phyllis Marie Chatelle, Aitkin
Vernon Melvin Dahlquist, Duluth
Charles Henry Elvig, Brainerd
Doris Catherine Essner, St. Paul
Gunnar Nels Gustav Evald, Minne-
apolis
Vidar Ferdinand Fladmoe, Buffalo,
S.D.
Earl Mathew Gilles, Plum City, Wis.
Archie Gubman, Minneapolis
Robert Donald Hahn, Plainview
Robert Clarence Hanson, Waseca
Robert Leroy Heike, Durand, Wis.
David Alan Hester, Robbinsdale
William Joseph Hodapp, Mankato
Hilding Warner Hogstrom, Duluth
John Louis Horvath, St. Paul
John A. Hoyer, Hudson, Wis.
Herman Bernard Jeffy, Minneapolis
Richard Michael Keaveny, Minne-
apolis
Sherman Kellstrom, Iron River, Mich.
Roger Glenn Kinsman, Worthington
John Vincent Knight, Minneapolis
Eli Kokotovich, Hibbing
James J. Kraus, Jr., Minneapolis
Henry Garfield Kylo, Jr., Minneapolis
Albert Robert Langemo, Albert Lea
Sam Jack Langfus, Minneapolis
Abbie Nathaniel Larson, Jr., Minne-
apolis
Roy Alvin Lauring, Roseau
Francis Henry Mentz, Minneapolis
John Jack Mondati, Ely
Frank T. Morikawa, San Jose, Calif.
Ashley H. Morse, Minneapolis
Robert Oneil Morseth, Minneapolis
Thelma Ann Muesing, New Ulm
Kathleen Ruth Mulholland, Minne-
apolis
Carl William Oberg, Jr., Duluth
Douglas John Olson, Minneapolis
Wallace Edward Petersen, Minne-
apolis
Kenneth Stanley Peterson, Waseca
Morris A. Peterson, Minneapolis
Roger Stuart Reid, Minneapolis
George Francis Reisdorf, St. Cloud
George Albert Reiter, Minneapolis
Donald Edward Rice, Caledonia
Vernon Raymond Richards, Minne-
apolis
Laurene Adair Rick, Minneapolis
Walter Herman Riese, Spooner, Wis.
Harold Rosen, Minneapolis
Joseph Nicholas Salvino, Minneapolis
Gorden Palmer Saue, Montevideo
William Alexander Scrimgeour,
Brownton
Robert James Shimpach, Owatonna
Glade F. Staffin, Osakis
Leona Rae Stein, Hibbing
Alf Kenneth Stratte, Pine City
Curtis Elwyn Tessum, Preston
James Leet Ward, Minneapolis
Paul Harold Wedin, Hector
Vernon Halstein Wold, Fergus Falls
Robert Culver Wright, Thief River
Falls

LAW SCHOOL

Bachelor of Science in Law

- Osmund Howard Aase, Kenyon
Donald Douglas Alsop, Duluth
Edward Hubert Anderson, Minneapolis
Robert Joseph Anderson, Minneapolis
Alfred R. Appelgren, Wolf Point, Mont.
Charles William Arnason, St. Paul
Loren Michael Barta, New Prague
Russell Meridan Bennett, Minneapolis
Maurice Francis Biddle, St. Joseph, Mo.
Robert Charles Bielitz, A.A., Minneapolis
Robert John Bleakly, A.A., Glendive, Mont.
Paul James Bliss, Minneapolis
Richard Alan Bodger, Minneapolis
John Brandtjen, Farmington
Robert William Brehmer, Winona
Keith Mettlin Brownell, B.A., Ely
Donald Theodore Bunker, Olivia
John Patrick Byron, Minneapolis
Douglas Wayne Cann, Blackduck
Donn Douglas Christensen, St. Paul
Joseph Anthony Cipollone, Hibbing
Edward Davis Courtney, Duluth
Henry Adolph Cousineau, Jr., Minneapolis
Byron Miles Crippin, Jr., A.L.A., Minneapolis
Ronan Eugene Degnan, Lewiston
Paul Joseph Doerner, St. Cloud
Thomas Edward Dougherty, Minneapolis
Vincent Andrew Doyle, St. Paul
Roderick Howard Drews, Minneapolis
Bobby B. Ebbesen, Revere
Donald Edward Engle, St. Paul
Thomas Gerald Forsberg, Appleton
Thomas Bainbridge Foster, St. Paul
John Douglas Furuseth, Bagley
James Giller, St. Louis Park
Sheldon Jack Gitelman, Minneapolis
Erwin Allen Goldstein, Minneapolis
Malcolm Hockert Greenberg, Eveleth
Donald Leo Grimes, Little Falls
Richard Jack Groseth, Duluth
Leslie Charles Gulbrandson, A.A., Albert Lea
Richard Joseph Haertzen, Milwaukee, Wis.
James Patrick Haley, Chisholm
Timothy Jerome Halloran, St. Paul
Gerald H. Hanratty, Barry
John Robert Harrington, Duluth
Hunter E. Helgeson, Bagley
Samuel Hubbard Hertogs, Excelsior
Val M. Higgins, Minneapolis
John Edward Hogan, Janesville
Kermit Ferdinand Hoversten, Lynd
Jeanne Florence Hubert, A.A., Duluth
George Russel Johnson, Willmar
Hans Waldemar Johnson, Hawley
Wayne Gordon Johnson, Wheaton
Ernest Edward Karlson, Duluth
Thomas Ernest Kellett, B.A., Minneapolis
Robert Stanley Kersch, Minneapolis
William Rollins Koenig, Minneapolis
Leopold Joseph Kuzma, Ely
Robert Patrick Larkin, Minneapolis
Arnold William Larson, Albert Lea
Arthur William Larson, Jr., Minneapolis
Elizabeth Jane Leathers, St. Paul
Robert Joseph Leighton, Austin
John Hewett Lemme, Stillwater
Charles Claire Lewis, Windom
LeRoy Albert Loder, Cooperstown, N.D.
William Drewry Lyons, White Bear Lake
Richard Harris Magnuson, Minneapolis
Raymond Joseph Marshall, Winona
Peter Earnest McErlane, St. Paul
James Bruce McKenney, Minneapolis
John Arthur McNiff, Minneapolis
Terence Leo Meany, Austin
Thomas Francis Meany, Austin
Floyd Burton Palmer Moritz, Delhi

Maylon Garth Muir, Jackson
 Thomas Ryan Mulcahy, B.A., Minne-
 apolis
 Maurice John Mulvahill, Jr., Hibbing
 V. Owen Nelson, Minneapolis
 Alton Jerome Olson, Cambridge
 William Rinehart Pearce, Faribault
 Neal Douglas Peterson, Minneapolis
 Raymond Charles Ploetz, Minneapolis
 Harvard Wendell Powell, Duluth
 James Edward Preece, International
 Falls
 Donald Edward Price, Minneapolis
 Daniel John Prinzing, Rushford
 Jerome Gilbert Raidt, Minneapolis
 Theodore Richard Rix, Mankato
 William Sanders Rosen, St. Paul
 Paul Martin Ruhr, St. Paul
 Joseph Edward Salland, B.A., St. Paul
 John C. Schmidt, LeSueur
 Daniel Charles Schmitz, Minneapolis
 Robert Dale Schreiner, Two Harbors
 Andrew Gorry Scott, St. Paul
 Victor Everett Selvig, Minneapolis
 Jerome John Sicora, Minneapolis
 Irving Silverman, Minneapolis
 Jerome Bernard Simon, Duluth
 John Thomas Simonet, B.B.A.,
 Stillwater

Jake M. Simonitsch, Moorhead
 Paul Arnold Skjervold, Westbrook
 Robert Benjamin Sklenar, Minne-
 apolis
 Norman A. Stansberry, A.A., Worth-
 ington
 Stanley Fuller Staples, Jr., Wausau,
 Wis.
 Willis Franklin Street, St. Paul
 George Mark Sullivan, St. Paul
 Robert Edward Swift, Minneapolis
 Chester David Taylor, Jr., South St.
 Paul
 Douglas Fredric Thornsjo, A.L.A.,
 Minneapolis
 Edmund Conrad Tiemann, Melrose
 John August Trenti, A.A., Virginia
 Harry James Tschohl, Jr., Mankato
 James Van Valkenburg, Minneapolis
 Kermit John Wallin, Minneapolis
 Arthur Carl Wangaard, Jr., Minne-
 apolis
 Thomas Michael Ward, St. Paul
 William Richard Weiss, St. James
 Wayne Alan Wentworth, Minne-
 apolis
 Ashley Westmoreland, Jr., Minne-
 apolis
 Marian Frances Willems, Heron Lake
 Gerald Grant Williams, St. Paul

Bachelor of Laws

Clifton W. Anderson, B.S.L., Sisse-
 ton, S.D.
 Charles B. Avery, B.S.L., Antigo, Wis.
 Edmund Page Babcock, B.B.A., Anoka
 Clifford Leeds Bauman, B.S., B.B.A.,
 Minneapolis
 Gene Franklin Bennett, B.A., Minne-
 apolis
 Alfred Jerome Bergsten, B.L.S., Min-
 neapolis
 Eugene Thomas Binger, B.A., St. Paul
 Paul James Bliss, Minneapolis
 Robert Henry Brodt, B.S.L., Fairmont
 Richard Lister Bye, B.A., Duluth
 John Roger Carroll, B.S.L., Minne-
 apolis
 Curtis Lyle Charlson, B.S.L., Kenyon

William Bennett Christie, B.S.L.,
 Perham
 Nonman E. Cohen, B.S.L., Minne-
 apolis
 Alamander William Cole, B.S.L.,
 Sleepy Eye
 Perry Wallace Copeland, Jr., B.B.A.,
 St. Paul
 Henry Harrison Cowie, Jr., B.S.L., St.
 Paul
 Michael Langdon Culhane, B.A., cum
 laude, Minneapolis
 John Frederick Dablow, B.S., B.A.,
 Thief River Falls
 Richard Haines Darby, B.S.L., Owa-
 tonna
 Sam Bernard Davis, B.S.L., Minne-
 apolis

Charles Ladner Donlin, B.S.L., St. Cloud
 Herbert Richard Drews, B.S.L., Minneapolis
 James Arthur Edman, B.S.L., Chisago City
 William Thomas Egan, B.S.L., Minneapolis
 Donald William Elliott, Minneapolis
 Arnold Irving Feinberg, B.S.L., Minneapolis
 William I. Fine, B.S.L., St. Paul
 Wesley A. Fink, B.S.L., Columbus, Ohio
 Fred Kelton Gage, Jr., B.S.L., Minneapolis
 Craig P. Gilbert, B.S.L., Duluth
 Burton Joseph Gindler, B.S.L., Mason City, Iowa
 Otis Hickman Godfrey, Jr., B.A., St. Paul
 Edward Spalding Gould, Jr., B.S.L., Minneapolis
 Eugene Leslie Grimm, B.S.L., Minneapolis
 Clinton John Grose, B.S.L., Minneapolis
 Howard Norton Groven, B.S.L., Minneapolis
 Milton Eugene Gruber, B.S.L., Minneapolis
 Thayer Kenneth Gudmestad, B.S.L., Granite Falls
 George Poulin Gurley, B.S.L., Pipestone
 Wallace Frank Gustafson, B.S.L., Bird Island
 Walter Clifford Gustafson, B.S.L., Minneapolis
 James Patrick Haley, Chisholm
 Robert Frank Henson, B.S.L., Minneapolis
 James Lyman Hetland, Jr., B.S.L., Minneapolis
 Esmond Adolphe Hirschfield, B.A., Minneapolis
 William Irving Holbrook, B.S.L., Isanti
 Reginald Francis Holschuh, B.B.A., Minneapolis
 Lionel Kingo Hvolboll, A.A., B.A., Albert Lea
 Dorain Erling Jensen, B.S.L., Luck, Wis.
 Kenneth Buxton Jones, Jr., B.S.L., South St. Paul
 Leonard Tobias Juster, B.S.L., Minneapolis
 Leif Roald Langsjocn, B.A., St. Peter
 Neal Allan Lano, B.S., Long Prairie
 Robert Daniel Larson, B.A., Minneapolis
 Howard Nelson Ledin, B.S.L., North Branch
 Harold Marvin Lichterman, B.S.L., Minneapolis
 Milton William Logan, B.S.L., Minneapolis
 John Paul Lommen, B.S.L., St. Paul
 Lorne Dale MacIver, B.B.A., Duluth
 Robert William Mattson, A.A., B.S.L., Virginia
 Clarence Joseph McConville, B.S.L., Minneapolis
 John Atmore McHugh, B.S.L., Minneapolis
 George D. Michalson, B.B.A., St. Paul
 Jack Floyd Miniun, B.A., New Ulm
 Myron Douglas Molander, B.B.A., Minneapolis
 William Anders Mossberg, B.S.L., Red Wing
 John Robert Murphy, B.S.L., Minneapolis
 Wallace Collins Odell, B.S.L., Chaska
 James Aquinas O'Dougherty, B.A., Minneapolis
 Chester Marvin Oksner, B.S.L., Minneapolis
 C. Harold Peterson, B.A., St. Peter
 Carl Velure Peterson, B.S., Hastings, N.D.
 Edward Andrew Peterson, B.S.L., Thief River Falls
 Ralph Wesley Peterson, B.S.L., St. Paul
 Richard Harding Plunkett, B.A., Austin
 George Francis Pougiales, A.A., B.S.L., Rochester

John James Remes, Jr., B.S.L., Minneapolis
Arthur C. Roemer, B.S.L., Wabasha
Richard August Rohleder, B.S. magna cum laude, B.B.A., St. Paul
John Clark Rowland, B.S.L., St. Paul
Curtis Lloyd Roy, B.S.L., Duluth
Donald Laverne Rudquist, B.S.L., Minneapolis
Irene Florence Scott, B.S.L., Minneapolis
Isabel Jean Severson, B.S.L., Canby
Robert G. Share, B.S.L., Minneapolis

Paul MacDonald Shaw, B.S.L., International Falls
Thomas James Stearns, B.A., St. Paul
Alan Lawrence Stiegler, B.S.L., Minneapolis
Janice Caldwell Streissguth, B.A., New Ulm
James Smith Swenson, A.A., B.S.L., Rochester
John Robert Wareham, B.S.L., Minneapolis
Sigwel Wood, B.S.L., Algona, Iowa
Miles Bernard Zimmerman, B.A., Minneapolis

SCHOOL OF DENTISTRY

Graduate Dental Hygienist

Beverly Margaret Anderson, Minneapolis
Yvonne Irene Anway, Minneapolis
Beverly June Baker, St. Paul
Helen Floy Gillette Baker, Mankato
Beverly Ann Berg, Kenyon
Barbara Jean Blakeslee, Albert Lea
Ruth Cordula Damon, Minneapolis
Carol Louise Folsom, St. Paul
Doris Harriet Gee, Sacred Heart
Mary Jean Gould, Minneapolis
Delores Mae Hanson, Minneapolis
Wilma M. Hook, Plymouth, Ind.
Doris Karen Jensen, Minneapolis
Marlys Eileen Jensen, St. Paul
Irene Felicja Kreisberg, Poland

Lela Mae Pertl, Minneapolis
Marthetta Joann Rees, North St. Paul
Judith Beryl Robinson, Minot, N.D.
Carol Jane Rude, Duluth
Jean Lorraine Simmons, Rochester
Ardis Ione Smedstad, Starbuck
Andrea Carroll Sorenson, A.A., Minneapolis
Tessie C. Staunton, Litchfield
Margaret Ann Stephenson, St. Paul
Eleanor Ann Stroman, Glasgow, Mont.
Peggy Ann Toomey, Minneapolis
Eugenia O. Ulvestad, Hanska
Barbara Sue Witte, Anoka

Doctor of Dental Surgery

Roland Mitchell Anderson, Duluth
William Barbush, Minneapolis
Louis William Belschner, Jr., Colorado Springs, Colo.
Edmund Hilliard Belyea, Minneapolis
Theodore Robert Blomquist, Waubun
Allen Gordon Brant, B.A., Minneapolis
William Robert Bray, St. Paul
Robert Emil Buchholz, Milwaukee, Wis.

Howard Linn Carlson, Barnesville
Richard Paul Cook, St. Cloud
Benjamin Coppock, Minneapolis
Arno Edwin Damerow, B.S., Austin
Theodore Hubert Dedolph, Jr., Braham
William Sidney Douglas, Duluth
Roger Lyle Downing, B.A., Minneapolis
Norman James Edwards, B.A., St. Peter

Olaf Woodard Eklund, Duluth
 Harold Seymour Elliott, Osakis
 Keith Renn Evans, Minneapolis
 Paul William Fleming, B.A., St.
 Cloud
 Richard Jerome Frank, St. Paul
 Francis Ferdinand Franta, Jr., St. Paul
 Darwin Forbes Fuller, St. Paul
 Joseph Carl Gonnella, Jr., Minne-
 apolis
 Daniel Leonard Gualtieri, Two
 Harbors
 Garfield Cutts Hanson, St. Paul
 Laverne Hanson, B.E., Bagley
 Melvin Wesley Hanson, B.S.,
 Wheaton
 Douglas Grant Harlander, B.S., St.
 Paul
 John Christian Harmel, Lemmon,
 S.D.
 Martin Norman Hase, Minneapolis
 Lloyd Evan Hembre, Montevideo
 Miles Benjamin Hirschey, Clarissa
 Robert Otto Hokkanen, Ely
 Marmion W. Hougloom, Minneapolis
 Nathan Ned Idelkope, Minneapolis
 Richard Francis Jacobs, Rochester
 John Kenneth Johnson, Minneapolis
 Oliver Wendell Johnson, St. Paul
 Richard Hartwell Johnson, Dickinson,
 N.D.
 Robert Warren Johnson, Minneapolis
 Clarence F. Ketterling, B.S., Streeter,
 N.D.
 Earl Albert Krebs, Albany
 Odin Monroe Langsjoen, B.A., St.
 Peter
 George C. Lawther, Jr., St. Paul
 Frank Frederick Logman, Jr., B.A.,
 St. Paul
 Esther Lyons, B.S., Minneapolis
 George Douglas MacGibbon, Minne-
 apolis
 Gene Leroy Maxwell, Marshall
 Robert James Mayhew, Hibbing
 Charles Francis McGuiggan, Marshall
 Chris Rudy Melde, Jr., Franklin
 Donald Mathias Mishek, St. Paul
 Floyd Leslie Misner, B.A., Interna-
 tional Falls
 Robert Nels Nelson, Duluth
 Robert Eugene Niemi, Hibbing
 John Morrison Norton, International
 Falls
 Robert Jerome Olson, B.A., Minne-
 apolis
 Curtis Joseph Reseland, Fertile
 Thomas Allen Rogstad, B.S., Detroit
 Lakes
 Richard Edward Rossi, Rochester
 Lewis Bertrum Severance, Minne-
 apolis
 Harold Lawrence Skinner, Minne-
 apolis
 Robert John Smith, St. Paul
 John Raymond Snyder, B.S., St. Paul
 John Floyd Sperry, Minneapolis
 Franklin James Steen, Morris
 Harry James Stolpestad, Fosston
 John William Stuckey, Garrison, N.D.
 Charles Raymond Taylor, Hollaway
 Ralph Joseph Teynor, Minneapolis
 Robert Toombs Thompson, Butte,
 Mont.
 Richard James Trezona, Jr., B.S., M.S.,
 Minneapolis
 Jon Wright Trost, Rochester
 Odd Valle, Odda, Norway
 Robert Francis VanEtta, Cook
 Bernard Francis Volkerding, B.S.,
 M.S., Ada
 John Wilbert Wakely, Minneapolis
 Glenn John Warnlof, Minneapolis
 Allen Jule Watts, A.A., Rochester
 John Melvin Wilson, Jr., Fargo, N.D.
 Frederick George Woessner, B.E.,
 Perham
 Walter Woodrow Wrolson, Lowry
 George Mitsuyoshi Yamane, B.A.,
 Honolulu, T.H.

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing†

Mary Louise Allen, Minneapolis
Jean Elese Anderson, St. Paul
Louise Martha Behmler, Morris
Rosemary Claire Biss, Minneapolis
Lila Louise Borst, Minneapolis
Lois Marilyn Cam, Beaver Creek
Marilyn Rose Corwin, Minneapolis
JoAnn Patricia Groberg, Bemidji
Bertha Louise Harding, Minneapolis
Barbara M. Hartung, Minneapolis
Caroline Martha Heller, Wauwatosa,
Wis.
Nancy Carol Koshwitz, Park Ridge,
Ill.
Barbara Jane Lodge, Louisville, Ky.
Ruth Miriam Mosling, Oshkosh, Wis.

Gloria L. Nelson, Mahanomen
Margaret Jane Orth, Milbank, S.D.
Marian Patricia Pharaoh, Duluth
Joan Bernadette Revor, St. Paul
Yvonne Claire Shepard, St. Paul
Barbara Anne Smith, Renville
Mary Lou Stuurmans, South Pasadena,
Calif.
Kay Shida Tsukuno, Chicago, Ill.
Sally Winston Van Valkenburg, St.
Paul
Cynthia Wahl, Duluth
Margaret Charlotte Weatherhead,
New Richmond, Wis.
Donna Lois Zastrow, Mankato

Bachelor of Science

Mary Louise Allen, Minneapolis, Pub-
lic Health Nursing
Louise Martha Behmler, Morris, Pub-
lic Health Nursing
Rosemary Claire Biss, Minneapolis,
Public Health Nursing
Ruth Marie Booman, St. Paul, Physi-
cal Therapy, WITH DISTINCTION
Lila Louise Borst, Minneapolis, Pub-
lic Health Nursing
Eleanor Bougas, Bismarck, N.D.,
Medical Technology*
Emma Caroline Bowman, Eau Claire,
Wis., Public Health Nursing
Lois Jeanette Boyce, Rochester, Medi-
cal Technology*
Genevieve Bryant, R.N., Indianapolis,
Ind., Public Health Nursing, WITH
DISTINCTION
Cornelia Anne Burrill, Ada, Physical
Therapy, WITH DISTINCTION
Kent William Christoferson, B.A.,
Bemidji, Medicine
Marilyn Rose Corwin, Minneapolis,
Public Health Nursing

Ruth Lucille Cottingham, Duluth,
Medical Technology*
Ruth Emma Cramblit, Adam, Wis.,
Public Health Nursing
Mary Crivelli, Altoona, Pa., Public
Health Nursing
Jacquelyn Ann Curtis, South St. Paul,
Medical Technology*
Aldean Cathryn Dahl, Minneapolis,
Occupational Therapy
Ruth Roselyn Denney, Alexandria,
Ind., Public Health Nursing
Vera Helene Dexheimer, Nameoki,
Ill., Public Health Nursing
Jae Carmene Doeksen, Minot, N.D.,
Medical Technology*
Maryann Patricia Donovan, St. Paul,
Medical Technology*
Elaine Carmen Duerr, St. Paul, Medi-
cal Technology*
Virginia Ann Edling, Minneapolis,
Medical Technology*
Gay Eggers, Minneapolis, Medical
Technology*

* These degrees are conferred subject to satisfactory completion of required practical work prior to December 21, 1950.

† These degrees are conferred subject to the satisfactory completion of nursing practice prior to December 21, 1950.

- Leila Jean Ehrenstrom, Chicago, Ill.,
Public Health Nursing, WITH DISTINCTION
- Janet G. Flint, Fargo, N.D., Physical Therapy
- Dolores Elaine Forsberg, B.A.,
St. Paul, Medical Technology*
- Marie Therese Frozina, St. Paul, Occupational Therapy
- Faye Peterson Garlough, Marble,
Physical Therapy, WITH DISTINCTION
- Geraldine Helen Ghent, St. Paul,
Physical Therapy
- Audrey Ann Granberg, St. Paul, Medical Technology*
- JoAnn Patricia Groberg, Fertile, Public Health Nursing
- Howard Albert Haak, Duluth, Physical Therapy, WITH DISTINCTION
- Ada Alma Hagan, Redstone, Mont.,
Public Health Nursing
- Bertha Louise Harding, Minneapolis,
Public Health Nursing
- Roberta Louise Harmon, B.A., Carthage, S.D.,
Medical Technology, WITH HIGH DISTINCTION*
- Barbara May Hartung, Minneapolis,
Public Health Nursing
- Esther Geneva Harwood, G.N., Moorhead,
Public Health Nursing
- Betty S. Hayes, New York, N.Y.,
Public Health Nursing, WITH DISTINCTION
- Caroline Martha Heller, Wauwatosa, Wis.,
Public Health Nursing, WITH DISTINCTION
- Ramona Kathryn Hoyme, Brooten,
Medical Technology*
- Evclyn Louise Jernberg, Brainerd,
Public Health Nursing
- Marilyn June Johnson, Minneapolis,
Medical Technology*
- Roberta Jean Ketchen, Minneapolis,
Public Health Nursing
- Hattie Klingsberg, Clements, Public Health Nursing
- Dorothy Patricia Kochkas, R.N., Virginia,
Public Health Nursing
- Nancy Carol Koshwitz, Park Ridge, Ill.,
Public Health Nursing
- Ruth A. Krueger, Drake, N.D.,
Public Health Nursing
- Barbara Jean Lee, Dawson, Physical Therapy, WITH HIGH DISTINCTION
- Jean H. LeFors, Wichita, Kan.,
Public Health Nursing
- Aline Alma Maas, Laurium, Mich.,
Public Health Nursing
- Janet Helm Maxwell, Duluth, Public Health Nursing
- Shirley Anne McFarland, Marshall,
Public Health Nursing
- Dorothy Helen McLean, Lancaster, Wis.,
Public Health Nursing
- Vernon Edward Mikkelsen, Jr., B.A.,
Minneapolis, Medicine
- Ann Dorothy Miller, Minneapolis,
Occupational Therapy
- Dorothy Elizabeth Mitchell, Minneapolis,
Physical Therapy
- Ruth Miriam Mosling, Oshkosh, Wis.,
Public Health Nursing
- Dorothy Louann NedreLOW, Plainview,
Medical Technology*
- Gloria Lea Nelson, Mahanomen, Public Health Nursing
- Marilyn Jeanne Nelson, St. Paul,
Medical Technology*
- Mildred L. Norell, Minneapolis,
Public Health Nursing
- Margaret Jane Orth, Milbank, S.D.,
Public Health Nursing
- Claire Louise Petersen, Wells, Medical Technology*
- Jacquelyn Ann Peterson, New Richmond, Wis.,
Physical Therapy
- Betty Lou Petska, Dickinson, N.D.,
Occupational Therapy
- Marian Patricia Pharaoh, Duluth,
Public Health Nursing
- Eugenia Marie Pierce, A.A., B.S.,
Virginia, Physical Therapy, WITH DISTINCTION
- Barbara Ann Hario Pitzel, Hibbing,
Physical Therapy
- Virginia Emily Pluth, Ely, Medical Technology*

* These degrees are conferred subject to satisfactory completion of required practical work prior to December 21, 1950.

- Betty Riddell, R.N., B.A., Perth, Ont., Canada, Public Health Nursing, WITH DISTINCTION
- Marilyn Jean Anne Risdal, Minneapolis, Medical Technology*
- Janice Ann Roche, St. Paul, Medical Technology*
- Frances Mary Rokoski, R.N., Minneapolis, Public Health Nursing
- Jean Alice Sampson, Columbia Heights, Medical Technology*
- Carol Jean Schad, Stillwater, Occupational Therapy
- Esther Ann Schwartzfield, Minneapolis, Medical Technology*
- Verna Maxine Simeral, Adair, Ill., Public Health Nursing
- Mary Small, St. Paul, Public Health Nursing
- Barbara Anne Smith, Renville, Public Health Nursing
- Lorraine Margaret Stone, B.A., Minneapolis, Physical Therapy, WITH DISTINCTION
- Mary Lou Stuurmans, St. Paul, Public Health Nursing
- Joyce Irene Swanberg, Ottertail, Medical Technology, WITH DISTINCTION*
- Sally Winston Van Valkenburg, St. Paul, Public Health Nursing
- Cynthia Wahl, Duluth, Public Health Nursing
- Verdis Marie Webster, Manchester, Iowa, Medical Technology, WITH HIGH DISTINCTION*
- Shirley Jean Westvig, Minneapolis, Medical Technology, WITH DISTINCTION*
- Donna Lois Zastrow, Mankato, Public Health Nursing, WITH DISTINCTION

Bachelor of Medicine

- John Howard Allen, B.S., St. Paul
- David Duberg Allison, B.A., B.S., Minneapolis
- Sol Austrian, B.A., B.S., St. Paul
- William Albert Autrey, B.S., Minneapolis
- Paul Gregory Bauer, B.A., B.S., White Bear Lake
- Roger Milton Berg, B.A., M.S., Minneapolis
- James Russell Bergquist, B.A., B.S., Minneapolis
- Harry Henderson Billings, B.S., Pine Island
- Frank Julius Bonello, B.S., Duluth
- Charles Seamans Brisbin, B.S., Battle Lake
- William Claire Broderick, B.S., B.A., Mandan, N.D.
- Roland Graeme Brown, B.A., Rochester
- Martin Beil Callan, B.S., Lewiston
- Charles V. Carlson, B.S., Minneapolis
- Henry Mead Cavert, B.S., Minneapolis
- Philip Dixon Christensen, B.A., B.S., St. Paul
- Kent William Christoferson, B.A., Bemidji
- Henry W. Cohen, B.A., B.S., Minneapolis
- John Austin Culligan, B.S., St. Paul
- Edward P. Donatelle, B.S., Cumberland, Wis.
- John Joseph Dwyer, B.S., Fargo, N.D.
- Henry Victor Eastman, Minneapolis
- Evan Sherman Ellison, B.S., B.A., Minneapolis
- Malcolm McLean Fifield, B.A., Mah-
tomedi
- Mary Margaret Scott Filante, B.S., Minneapolis
- William J. Filante, B.A., Minneapolis
- Martin Clifford Florine, B.S., LeSueur
- Joyce Lucille Funke, B.S., St. Paul

* These degrees are conferred subject to satisfactory completion of required practical work prior to December 21, 1950.

N. L. Gault, Jr., Austin, Tex.
 Sarah Jane Gault, B.A., Denton, Tex.
 Donald Andrew Gilsdorf, B.S.,
 Wabasha
 Leonard William Goldman, B.A.,
 B.S., Minneapolis
 Matthew Gruber, B.S., Akron, Ohio
 Hymie Arnold Gull, B.S., Erskine
 John Burton Hayes, B.S., Minneapolis
 Alan Roswell Hopeman, B.A., B.S.,
 Moorhead
 Arvid Jerome Houglum, B.S., Perley
 Gerald Everett Howe, B.S., Minne-
 apolis
 Heber Scott Hudson, B.S., Minne-
 apolis
 John Edward Indihar, B.S., Chisholm
 Warren Douglas Jensen, B.S., Little
 Falls
 Chester Willard Johnson, Jr., B.S.,
 Excelsior
 Edward Alfred Johnson, B.A., B.S.,
 Virginia
 Roger Stanley Johnson, B.A., B.S.,
 St. Paul
 Sherman Newton Kieffer, B.S., M.A.,
 St. Paul
 Robert Donald Kochsiek, B.S., B.A.,
 St. Paul
 John Kosiak, B.S., Chisholm
 Per Harold Langsjoen, B.A., St. Peter
 Donald Marvin Larson, B.A., B.S.,
 St. Peter
 Leighton Walter Larson, B.S., Minne-
 apolis
 Roger Clarence Larson, B.A., B.S.,
 Minneapolis
 Richard Ormond Leavenworth, Jr.,
 B.S., St. Paul
 Barton Leonard Lewis, B.A., B.S.,
 St. Paul
 Naomi Gene Lund, Wolf Point,
 Mont.
 Terence Burton McManus, B.S., M.S.,
 McIntosh
 Robert Cullings Meade, B.S., M.S.,
 St. Paul
 Ralph Frederick Meincke, B.S., Lake
 City
 Robert John Meyer, B.A., B.S.,
 Minneapolis
 Vernon Edward Mikkelson, Jr., B.A.,
 Minneapolis
 Charles Frederick Miller, B.S., Long
 Prairie
 John Patrick Moran, B.A., B.S., M.A.,
 St. Paul
 Charles Henry Nelson, B.S., Lake
 Park
 Norman Albert Nelson, B.S., Minne-
 apolis
 David Dean Norman, B.A., B.S.,
 Crookston
 Stephen Theodore Normann, Jr.,
 B.A., St. Paul
 Mark Eugene Odland, B.A., B.S.,
 Minneapolis
 John Benjamin O'Leary, B.S.,
 Waverly
 Donald Lawrence Olson, B.S., Minne-
 apolis
 Mervin Gerhard Oppen, B.S., Minne-
 apolis
 Neil Merald Palm, B.S., Minneapolis
 Eugene Frank Peake, B.A., B.S.,
 Minneapolis
 Paul Andrew Peterson, Jr., B.S.,
 Mountain Iron
 Konald Arthur Prem, B.S., St. Cloud
 Robert Frederick Premer, B.S.,
 St. Paul
 Arthur Benajhar Quiggle, B.S., B.A.,
 Minneapolis
 Pat Rollins, B.S., Minneapolis
 Kenneth B. Romness, B.S., Sacred
 Heart
 John Elihu Rosander, B.S., Minne-
 apolis
 George Nielsen Rysgaard, B.S., M.S.,
 Minneapolis
 Richard John Sells, B.A., Minneapolis
 Thomas Semba, B.S., Minneapolis
 Marcus Ignatius Shelander, B.A., B.S.,
 Minneapolis
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 William Thomas Spain, B.S., Ph.D.,
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 Michael Paul Sperl, Jr., B.S., St. Paul
 Robert Raymond Spurzem, B.A., B.S.,
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Jack Warren Strand, B.A., B.S.,
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John Paul Street, B.S., St. Paul
George Tadashi Tani, B.A., B.S.,
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Albert "L." Walonick, B.S., Minne-
apolis
David Dyer Webster, B.S. in Physics,
Coleraine
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Minneapolis
Robert G. Ziegler, B.S., Cambridge

Master of Hospital Administration

John Lippitt Beckwith, B.A., Provi-
dence, R.I.
Guillermo Betanzos, M.D., Guadala-
jara, Mexico
Richard William Blaisdell, B.S., Spo-
kane, Wash.
Evelyn Jane Bond, B.S., Tacoma,
Wash.
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Master of Public Health

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Mae Louene Birch, B.S., Southgate,
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Roger Alejandro Cornavaca M., Civil
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Worthington
Ido Fernando Nunez Calderon, Sani-
tary Engineer, Lima, Peru
John Kermit Peterson, D.D.S., Dou-
glas Lodge

Marian Tanner Petraske, B.S., Utica, N.Y.
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 William James Rees, B.A., M.D., Kansas City, Mo.
 Chindabha Sribunruang Sayanha-Vikasit, M.B., Bangkok, Thailand
 Elmer Charles Slagle, B.S.C.E., Minneapolis
 Howard William Spence, B.S.C.E., Washington, D.C.
 Elizabeth Gertrude Sullivan, B.S., Winchester, Va.
 Gustav Vig, M.D., Tana, Norway
 Roberto G. Viveros, M.D., Santiago, Chile
 Jeanette Elizabeth Westlake, B.S., New Britain, Conn.
 Anna Marie Zaldaris, B.S., Tamaqua, Pa.

Doctor of Medicine*

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 Suzanne Agnew, B.S., M.S., M.B., Minneapolis
 John Amberg, B.S., M.B., St. Paul
 Royden Belcher, B.S., M.B., Wheaton
 Frank Mcroft Bennett, B.S., M.B., Salem, Ore.
 Edwin Elberg Boysen, B.S., M.B., Pelican Rapids
 James Lawrence Brown, B.S., B.A., M.B., Minneapolis
 Richard Sylvester Champion, B.S., M.B., St. Cloud
 Sol Center, B.A., B.S., M.B., Minneapolis
 Eleanor Colle, B.A., B.S., M.B., Minneapolis
 Cyril John Corrigan, B.S., M.B., St. Paul
 James Raymond Doyle, B.S., M.B., Owatonna
 Conrad Engwold Eastwold, B.A., B.S., M.B., Minneota
 Carl D. Eklund, B.S., M.B., Brookston
 Edwin Gustaf Eklund, Jr., B.S., Minneapolis
 Lief W. Erickson, B.S., M.B., Tigerton, Wis.
 Ellis Boyd Finch, B.S., M.B., Seattle, Wash.
 Richard E. Fleming, B.S., M.B., St. Cloud
 Gilbert Hugo Friedell, B.S., M.B., Minneapolis
 James P. Ginsberg, B.A. *magna cum laude*, B.S., St. Paul
 David Gold, B.S., B.A. *magna cum laude*, M.B., Minneapolis
 Anthony Stephen Grahek, B.S., M.B., Ely
 Suzanne Grant, B.A., B.S., M.B., Minneapolis
 David Cress Groenig, B.A., B.S., M.B., Rochester
 Allan Murray Gunn-Smith, B.S., M.B., Two Harbors
 Elaine Mary Hacker, B.A. *magna cum laude*, B.S., Benson
 John Doran Hagen, B.S., M.B., Minneapolis
 William Byrne Hanson, B.A., B.S., M.B., Minneapolis
 Roger Willard Hedin, B.A., B.S., M.B., Willmar
 Nestor M. Hensler, B.A. *cum laude*, B.S., M.B., St. Paul
 Donald F. Holm, B.A., M.B., Minneapolis
 Norman Winfred Hoover, B.S., M.B., Millville
 Phyllis Rosander Hoover, B.S., M.B., Minneapolis
 Margaret Huelskamp, B.A., M.B., Gaylord
 William Hicks Inglis, B.S., M.B., Redwood Falls

* These degrees are conferred subject to the satisfactory completion of hospital internship within one month.

Marilyn Anderson Jarvis, B.A., B.S.,
 M.B., St. Paul
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 Roy Raymond Juntunen, B.S., Esko
 Yale Joel Katz, B.A., M.S., Ph.D.,
 M.B., Minneapolis
 Paul Jackson Keith, B.S., M.B., Chatfield
 Edward Horan Kelly, B.S., M.B.,
 St. Paul
 Marvin Curtis Korengold, B.S.,
 D.D.S., M.B., Minneapolis
 Oscar S. Kulstad, B.S., M.B., Fergus Falls
 Gerald Elsworth Larson, B.S., M.B.,
 Braham
 Thomas Abraham Lincoln, B.A., B.S.,
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 Howard Willis Lindsey, Jr., B.S.,
 M.B., Rochelle, Ill.
 Robert Myron Lundblad, B.S., M.B.,
 Duluth
 Raymond Carl Magnuson, B.S., M.B.,
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 Patrick Henry Marrone, B.S., M.B.,
 St. Paul
 Hazel Louise McGaffey, B.S.,
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 Elizabeth Mary McKenna, B.S., B.A.,
 M.B., Austin
 John Keith Meinert, B.A. magna cum
 laude, B.S., M.B., Winona
 Marshall J. Melius, B.S., M.B.,
 St. Charles
 Roy Thomas Miller, B.S., St. Paul
 Ralph Anthony Muhich, B.S., Eveleth
 George Ernst Nelson, Jr., B.S., M.B.,
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 Maxine Olive Nelson, B.A., B.S.,
 M.B., Minneapolis
 James Allan Nesse, B.A., M.B.,
 St. Paul
 Rosalind Novick, B.A., M.B., Flushing,
 N.Y.
 Lawrence Jurgen Opsahl, B.S., M.B.,
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 Marvin Phillip Osman, B.A. magna
 cum laude, B.S., Los Angeles, Calif.
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 Eugene Ira Saxon, B.S., M.B., St. Paul
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 St. Paul
 Louis H. Stahn, B.S., Morris
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GRADUATE SCHOOL

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B.A. '45, University of Minnesota. Field of Concentration: German.

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B.A. '43, Kenyon College. Major: English. Minor: Philosophy. Thesis: Tone in the Lyric Poetry of John Donne.

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B.A. '48, Yale University. Field of Concentration: Scandinavian Area Studies.

Morton David Elevelitch, Duluth

B.A. *summa cum laude* '49, University of Minnesota. Major: English. Minor: Composition. Thesis: Ring Lardner: The Popular Artist and His Audience.

Warren Carl Engstrom, Minneapolis

B.A. '45, University of Minnesota. Major: Journalism. Minor: Psychology. Thesis: Social Composition and Training of the Minneapolis Star and Tribune News and Editorial Staffs.

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B.Mus. '42, University of Wichita. Major: Music. Minor: Education. Thesis: Stylistic Elements in the Music of Cesar Franck, Illustrated by an Orchestration of the Chorale in E for Grand Organ.

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Speech. Minor: English. Thesis: A Preliminary
Study and Evaluation of Suitable Stories for
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B.A. '33, Sioux Falls College. Major: History and Philosophy of Education. Minor: Anthropology. Thesis: Intercultural Education in Minnesota.

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Master of Business Administration

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James Lee Kamiske, Minneapolis

B.E.E. '49, University of Minnesota. Field of Concentration: Business Administration.

Master of Science

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B.A. *magna cum laude* '44, Luther College. Field of Concentration: Organic Chemistry.

Harold Wendell Anderson, St. Paul

B.S. '40, South Dakota State College. Major: Agricultural Economics. Minor: Economics. Thesis: Financing of Country Grain Elevators Affiliated with Farmers Union Grain Terminal Association.

Donald Robert Bergmann, Cleveland, Ohio

B.A. '48, College of Wooster. Field of Concentration: Geology.

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B.S. '47, University of Minnesota. Field of Concentration: Zoology.

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B.S. '47, Massachusetts State College. Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Solubility Relationships in Monomer-Polymer Systems.

Deevanapalli Chandrayya, Hyderabad (D.N.), India

B.Ag. '36, Nagpur University (India). Field of Concentration: Agricultural Economics.

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B.S. '45, National Central University (China). Field of Concentration: Physics.

Donald Frederick Clausen, Minneapolis

'43, University of Minnesota. Major: Physiological Chemistry. Minor: Physiology. Thesis: The Synthesis of Radioactive Analogs of Fluorescein and Their Physiological Distribution in Normal and Cancerous Mice.

Gerald Tunis DenHartog, St. Paul

B.S. '47, Iowa State College. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Kernel Characters of Barley as Studied in Both Selected and Unselected Heads within F_2 Rows of Twenty-two Crosses Having Mars as a Common Parent.

Walter Lebon Ezzell, Wausau, Wis.

B.A. '41, Bowling Green College of Commerce. Major: Agricultural Economics. Minor: Business Administration. Thesis: Accounting System for Retail Cooperative Associations.

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B.Met.E. with distinction '48, University of Minnesota. Major: Metallurgy. Minor: Geology. Thesis: Characteristics of Alkaline Earth and Other Metallic Ions as Activators in the Soap Flotation of Quartz.

Nancy Clare Geisse, Washington, D.C.

B.S. '46, Pennsylvania State College. Major: Anatomy. Minor: Pathology. Thesis: Experimental Chemotherapy of Mouse Leukemia.

John Wesley Gibler, Chateau, Mont.

B.S. '47, Montana State College. Major: Plant Pathology. Minor: Plant Genetics. Thesis: Studies on the Pathogenicity and Control of Rhizoctonia Solani on Soybeans.

Agnes Hansen, Minneapolis

B.S. '23, University of Minnesota. Major: Botany. Minor: Zoology. Thesis: The Expression of the Gene Dwarf-1 During the Development of the Seedling Shoot in Maize.

Francis C. Hatfield, Savanna, Ill.

B.S. with honor '46, Winona State Teachers College. Field of Concentration: Mathematics.

Patricia Florence Hepworth, Menzie,
Manitoba, Canada

B.S. '48, University of Manitoba. Field of
Concentration: Home Economics.

Yu Tien Hsia, Anking, Anhwer, China
B.S. '40, National Central University (China).

Major: Plant Pathology. Minor: Botany.
Thesis: The Effect of 2,4-D on Seedling Blight
of Wheat Caused by *Helminthosporium*
Sativum.

Yun Shih Hwang, Ocheng, Hupeh,
China

LL.B. (in Econ.) '34, National Wu-Han
University (China). Major: Agricultural Eco-
nomics. Minor: Economics. Thesis: A Study
of the Standard of Living of the Farm Popu-
lation in China.

Donald Ross Johnson, Chicago, Ill.

B.S. with honors '43, University of Illinois.
Major: Entomology. Minor: Plant Pathology.
Thesis: Life History and Control Studies of
Agonoderus comma (Fabricius) and Related
Carabids Which May Attack Corn.

William Robert Kneebone, Eveleth

B.S. with distinction '47, University of Min-
nesota. Major: Plant Genetics. Minor: Plant
Pathology. Thesis: Crude Protein, Yield, Per-
centage Dry Matter, and Plant Color of
Bromus inermis Leyss. Clones and Their Poly-
cross Progenies.

Stanley Frederick Krause, Scott City,
Kan.

B.A. '49, University of Denver. Field of Con-
centration: Agricultural Economics.

Norman Lionel Lawrence, St. Paul

B.Ch.E. '44, University of Minnesota. Major:
Bacteriology. Minor: Chemical Engineering.
Thesis: The Influence of Nutritional Factors
on the Production of Riboflavin by *Eremothecium*
ashbyii.

Jui Shuan Lee, China

B.S. '36, National Tsing Hua University
(China). Major: Physiology. Minor: Physi-
ological Chemistry. Thesis: Studies on Inter-
mediary Carbohydrate Metabolism with Iso-
topic Carbon as a Tracer.

Sping Lin, Canton, China

B.S. '40, National Sun Yat-Sen University
(China). Major: Entomology. Minor: Agri-
cultural Biochemistry. Thesis: Some Studies
on the Nutritional Value of Soybean Flour to
Tribolium confusum Duv.

Karl Arthur Loerch, Tekamah, Neb.

B.S. '48, Iowa State College. Major: Forestry.
Minor: Agricultural Botany. Thesis: The Effect
of Sodium Trichloroacetate on the Germina-
tion and Survival of Red Pine Seedlings.

Mary Walz Loewus, Duluth

B.A. *magna cum laude* '45, University of
Minnesota. Major: Agricultural Biochemistry.
Minor: Physical Chemistry. Thesis: A Search
for Electrophoretic Evidences of Interaction in
Mixtures of Crystallizable Proteins in Solu-
tions.

Khin Maung, Rangoon, Burma

B.Sc. '40, University of Rangoon. Major:
Plant Genetics. Minor: Plant Pathology.
Thesis: Inheritance of Reaction to Crown Rust
and of Other Characters in Oats.

Patrick Yoshio Nakagawa, Honolulu,
Hawaii

B.S. in Agr. '42, University of Hawaii. Major:
Entomology. Minor: Plant Pathology. Thesis:
Oviposition Studies of *Macrocentrus gifuensis*
Ashm. on Unnatural Hosts.

John Earl Naugle, Belle Fourche,
S.D.

B.Phys. with distinction '49, University of
Minnesota. Major: Physics. Minor: Mathe-
matics. Thesis: The Rate of Star Production
in Nuclear Emulsions as a Function of Alti-
tude.

Walter Leland Nelson, Fosston

B.A. *magna cum laude* '48, University of
Minnesota. Major: Physiological Chemistry.
Minor: Physical Chemistry. Thesis: Improve-
ments on a Procedure for Isolation of Pentose
Nucleic Acid from Mouse Liver Cell Nuclei
and a Characterization of Protein Fractions
Obtained from Preparations of Mouse Liver
Cell Nuclei.

Howard Warren Ottoson, Detroit
Lakes

B.S. with distinction '42, University of Min-
nesota. Major: Agricultural Economics. Minor:
Economics. Thesis: Effect of Dairy Barn Ar-
rangements on Chore Labor Requirements.

Lorne Edmund Parker, Winnipeg,
Manitoba, Canada

B.S. in Agr. '48, University of Manitoba. Field
of Concentration: Agricultural Economics.

Jeanette Siron Pelton, Minneapolis

B.A. '47, University of Minnesota. Major:
Botany. Minor: Zoology. Thesis: Expression of
the Gene d_1 in the Scutellum of Maize.

Vernon Franklin Raaen, Minneapolis
B.A. '41, Concordia College. Field of Concentration: Organic Chemistry.

Andrew Nowell Smith, Lincoln, Neb.
B.A. '47, University of Nebraska. Field of Concentration: Physics.

Henry Paul Staub, Minneapolis
B.A. '43, Augsburg College; B.S. '45, University of North Dakota; M.D. '47, University of Illinois. Major: Pediatrics. Minor: Radiology. Thesis: Thrombocytopenic Purpura Complicating Rubella.

Martin Torvald Tveit, Aalvik, Norway
Agron. '44, Tomb College of Agriculture (Norway). Major: Plant Pathology. Minor: Entomology. Thesis: Studies on Seedling Blights of Oats.

LeVerne William Wegener, Aitkin
B.S. '42, University of Minnesota. Field of Concentration: Dairy Husbandry.

Edith Ruth Zak, Minneapolis
B.A. magna cum laude '48, University of Minnesota. Major: Physiological Chemistry. Minor: Anatomy. Thesis: A Study of the Possible Role of Urea and Urease in Gastric Acid Secretion.

Master of Science in Aeronautical Engineering

Alson Clifford Frazer, St. Paul
B.Aero.E. '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Hans Gerhard Stub Knudsen, Oslo, Norway
B.Aero.E. '49, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Buckling Loads of a Flat Sandwich Panel in Biaxial Compression.

Leslie Elof Lundquist, Minneapolis
B.Aero.E. with distinction '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Harold Dale McGraw, Cogswell, N.D.
B.Aero.E. '48, University of Minnesota. Field of Concentration: Aeronautical Engineering.

James Gottlieb Wenzel, Springfield
B.Aero.E. with high distinction '48, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Agricultural Engineering

Virgil Howard Johnson, Elk River
B.Ag.E. '42, University of Minnesota. Major: Agricultural Engineering. Minor: Mechanical Engineering. Thesis: Studies in Field Curing of Cylindrical Alfalfa Hay Bales.

Master of Science in Anesthesiology

Raymond Frank Courtin, Cambridge, England
M.D. '35, St. Thomas' Hospital (London). Major: Anesthesiology. Minor: Physiology. Thesis: Electroencephalography during Surgical Anesthesia with Nitrous Oxide, Oxygen and Ether.

Cecil Stanley Jones, London, England
M.B. '42, Ch.B. '42, University of Cape Town. Major: Anesthesiology. Minor: Physiology. Thesis: Arterial Blood Ether Concentrations in Human Subjects during Surgical Anesthesia.

Master of Science in Chemical Engineering

Alfred Carl Goerss, North Tonawanda,
N.Y.
B.S. in Ch.E. '41, Purdue University. Major:
Chemical Engineering. Minor: Inorganic
Chemistry. Thesis: Fixed Bed Versus Ex-
panded Bed Operation of Ion Exchange
Column.

Rodrigo Antonio Insignares, Barran-
quilla, Colombia, S.A.
B.S. in Ch.E. '47, Universidad del Atlantico
(Colombia). Field of Concentration: Chemical
Engineering.

Master of Science in Civil Engineering

Edgar Garfield Braun, Jr., Detroit,
Mich.
B.S. '46, United States Military Academy.
Field of Concentration: Civil Engineering.

Albert Seun-Yu Chang, Shanghai,
China
B.S. '48, National Chiao-Tung University.
Field of Concentration: Civil Engineering.

Pao Yao Chou, Mengtze, Yunnan,
China
B.S. '48, Lehigh University. Field of Con-
centration: Civil Engineering.

Donald Owen Dencker, Minneapolis
B.C.E. '49, University of Minnesota. Field of
Concentration: Civil Engineering.

Reynold Martin Eckstrom, Duluth
B.S. '45, United States Military Academy.
Field of Concentration: Civil Engineering.

Jesse Ernest Fant, Newcastle, Ind.
B.S. in C.E. '42, Purdue University. Major:
Civil Engineering. Minor: Mathematics and
Mechanics. Thesis: Model Study of the Ef-
ficiency of a Radial, Gravity Flow Sedimenta-
tion Tank.

George Gross Hagedon, Toledo, Ohio
B.S. '46, United States Military Academy.
Field of Concentration: Civil Engineering.

Matthew Clarence Harrison, Glasgow,
Mont.
B.S. '41, United States Military Academy;
M.A. '47, Columbia University. Field of Con-
centration: Civil Engineering.

Clyde Oliver Johnson, Minneapolis
B.C.E. '43, Syracuse University. Major: Civil
Engineering (Hydraulic Engineering). Minor:
Civil Engineering (Structural Engineering).
Thesis: Similarity in Scour below a Spillway.

Kazuyoshi Kawata, Portland, Ore.
B.S. '49, Oregon State College. Field of Con-
centration: Civil Engineering.

Joseph Tso-Ti Ling, Shanghai, China
B.C.E. '44, Hanchow Christian College. Field
of Concentration: Civil Engineering.

William Van Deusen Millman, St.
Johns, Mich.
B.S. '45, United States Military Academy.
Field of Concentration: Civil Engineering.

Louis Albert Scipio, II, St. Paul
B.S. (Arch.) with highest honors '42, Tus-
kegee Institute; B.C.E. '48, University of
Minnesota. Major: Civil Engineering (Struc-
tural Engineering). Minor: Civil Engineering
(Soils Engineering). Thesis: The Analysis of
Crane Columns.

Donald Vincent Selfe, White Bear
Lake
B.C.E. '48, University of Minnesota. Field of
Concentration: Civil Engineering.

John Lewis Shadday, Summerville,
S.C.
B.S. '45, United States Military Academy.
Field of Concentration: Civil Engineering.

Antranik Karnik Tavukçuyan, Istan-
bul, Turkey
B.S. in C.E. '48, Robert College (Turkey).
Field of Concentration: Civil Engineering.

Master of Science in Dental Surgery

John Christian Austin, Minneapolis
B.A. '44, D.D.S. '45, University of Minnesota.
Major: Dental Surgery. Minor: Oral Pa-
thology. Thesis: The Dental Status of the
Three-year-old Child and Observations of the
Affects of Thumb-sucking on the Jaws.

Thomas W. James, Yakima, Wash.
B.S. '44, D.D.S. '46, University of Oregon.
Major: Dental Surgery. Minor: Anatomy.
Thesis: A Study of the Distribution of the
Inferior Alveolar Nerve in Fetuses.

Master of Science in Dentistry

William Allen Peterson, Minneapolis
D.D.S. '45, University of Minnesota. Major:
Dentistry (Oral Medicine). Minor: Physio-
logical Chemistry. Thesis: Traumatogenic
Bacteremia of Dental Origin.

Sam Wright Williams, Minneapolis
D.D.S. '42, University of Minnesota. Major:
Dentistry (Oral Medicine). Minor: Radiology.
Thesis: The Paralleling Technique for Intra-
oral Radiography.

Master of Science in Dermatology and Syphilology

Joseph Alexander Elliott, Jr., Char-
lotte, N.C.

B.A. '41, Duke University; M.D. '44, Uni-
versity of Michigan. Major: Dermatology and
Syphilology. Minor: Pathology. Thesis: Studies
on Serum Complement Levels in Disseminated
Lupus Erythematosus.

Master of Science in Electrical Engineering

George Wesley Olson, Hector
B.E.E. with distinction '45, University of
Minnesota. Major: Electrical Engineering.
Minor: Mathematics. Thesis: A study of a
Method of Measuring Torque Angles in Syn-
chronous Machines.

John Virgil Vogel, Pierre, S.D.
B.S. '47, Louisiana State University. Major:
Electrical Engineering. Minor: Mathematics.
Thesis: An Investigation of an Approximate
Method of Analysis for Electron Lenses.

Master of Science in Mechanical Engineering

Alf Gerhard Aursand, Oslo, Norway
B.S. '49, Oregon State College. Field of Con-
centration: Mechanical Engineering.

Ernest Allen Baillif, St. Paul
B.Aero.E. with distinction '48, B.M.E. with
distinction '48, University of Minnesota. Field
of Concentration: Mechanical Engineering.

William Neil Blatt, Minneapolis
B.M.E. with distinction '49, University of
Minnesota. Major: Mechanical Engineering.
Minor: Metallography. Thesis: The Correla-
tion of Steady State Total Pressure Drop
across the Combustion Chamber with Scaveng-
ing Effectiveness of a Small Two-Stroke En-
gine.

William August Kleinhenz, Baltimore,
Md.

B.S. in M.E. '43, Duke University. Field of
Concentration: Mechanical Engineering.

Robert Lewis Kosson, Clifton, N.J.
B.M.E. '48, Cornell University. Field of Con-
centration: Mechanical Engineering.

Arthur Martin Lohmann, Minne-
apolis

B.M.E. with high distinction '49, University
of Minnesota. Field of Concentration: Me-
chanical Engineering.

Harry Nadler, Minneapolis
B.M.E. '49, University of Minnesota. Field of
Concentration: Mechanical Engineering.

Oscar Sigfrid Samuelson, Wright
B.M.E. '49, University of Minnesota. Field of
Concentration: Mechanical Engineering.

Frank Clarence Schultz, Brainerd
B.M.E. '49, University of Minnesota. Field of
Concentration: Mechanical Engineering.

Harry Miller Severson, Minneapolis
B.M.E. '43, University of Minnesota. Field of
Concentration: Mechanical Engineering.

Francis William Shepherd, New York,
N.Y.

B.M.E. '49, College of the City of New York.
Field of Concentration: Mechanical Engineer-
ing.

Marvin Mark Yarosh, Philadelphia,
Pa.

B.M.E. with distinction '47, University of
Minnesota. Field of Concentration: Mechani-
cal Engineering.

Master of Science in Medicine

Donald Stanley Amatuzio, Duluth
B.A. cum laude '41, M.D. '45, University of Minnesota. Major: Medicine. Minor: Physiological Chemistry. Thesis: I. A Study of Pyruvic Acid in the Blood, Spinal Fluid and Urine in Liver Disease including Hepatic Coma. II. Spinal Fluid Studies in Hepatic Coma.

Barnet Berris, Toronto, Ontario,
Canada

B.A. '41, M.D. '44, University of Toronto. Major: Medicine. Minor: Anatomy (Hematology). Thesis: Studies of the Effect of Piperidylmethyl-Benzodioxane (933-F) on Hypertension.

David Gregory Hanlon, Hazelton, Pa.
B.A. '38, Lafayette College; M.D. '42, Jefferson Medical College. Major: Medicine. Minor: Pathology. Thesis: A Study of Adrenal Function in Leukemia.

William Joseph Lick, Jr., St. Paul
B.S. '41, M.D. '43, M.S. '47, University of Minnesota. Major: Medicine. Minor: Pathology. Thesis: Rheumatic Pneumonia.

Alexander David Lowy, Jr., Pittsburgh,
Pa.

B.S. '43, M.D. '44, University of Pittsburgh. Major: Medicine. Minor: Physiology. Thesis: The Effect of an Antihistamine Compound on the Flare Reaction Produced by Burning or Freezing the Skin of Normal Human Beings.

John Martin McMahon, Washington,
D.C.

B.S. '36, M.D. '40, Georgetown University. Major: Medicine. Minor: Pathologic Anatomy. Thesis: The Psychosomatic Aspects of Cardiospasm.

Michael Edward Murphy, Keewatin
B.S. '40, M.D. '41, University of Minnesota. Major: Medicine. Minor: Physiology. Thesis: An Analysis of a Method of Producing Vasodilatation and Vasoconstriction of the Extremities for Clinical Purposes.

Edward Louis Perry, Sturgeon Bay,
Wis.

B.A. '38, M.D. '41, University of Wisconsin. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Myocardial Lesions in Subacute Bacterial Endocarditis.

John Lucien Reynolds, Chicago, Ill.
B.A. '36, M.D. '40, Stanford University. Major: Medicine. Minor: Anatomy (Hematology). Thesis: A Study of the Peripheral Blood Leukocytes and Bone Marrow in Patients Receiving Cortisone.

Ashton Bayard Taylor, Chicago, Ill.
M.D. '45, Northwestern University. Major: Medicine. Minor: Physiology. Thesis: The Demonstration of Adrenocorticotrophic Activity in Human Blood.

John Robert Tobin, Jr., Elgin, Ill.
B.S. '38, University of Notre Dame; M.D. '42, University of Chicago. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Studies on the Hyaluronidase Inhibitor in Human Blood.

Charles Francis Williams, Minne-
apolis

B.A. '38, DePauw University; M.D. '42, University of Chicago. Major: Medicine. Minor: Anatomy (Hematology). Thesis: Studies on the Response of Circulating Eosinophile Leukocytes to Epinephrine.

Master of Science in Mining Engineering

William Judd Rundle, Madison, Wis.
B.S. with honor '37, Michigan College of Mining and Technology. Major: Mining Engineering. Minor: Metallurgy. Thesis: Mining Operations in the Upper Mississippi Zinc-Lead Area.

Master of Science in Neurology and Psychiatry

Edward Douglas Rooke, Kingston,
Ontario, Canada
M.D.C.M. '37, Queens University. Major: Neurology and Psychiatry. Minor: Neuropathology. Thesis: Diffuse Subcortical Encephalopathy (Schilder's Disease).

Master of Science in Neurosurgery

Bland Wilson Cannon, Brownsville,
Tenn.

B.S. '41, Southwestern College; M.D. '45, Northwestern University. Major: Neurosurgery. Minor: Neuropathology. Thesis: Acute Brain Stem Vascular Lesions; a Complication of Supratentorial Space-occupying Lesions.

Thomas Milton Marshall, Rochester
B.A. '37, University of Kentucky; M.D. '41, University of Louisville. Major: Neurosurgery. Minor: Neuropathology. Thesis: Craniopharyngiomas (Pituitary Adamantinomas).

Master of Science in Obstetrics and Gynecology

James Stanley Hunter, Jr., Frostburg,
Md.

M.D. '41, University of Maryland. Major: Obstetrics and Gynecology. Minor: Pathology. Thesis: Chorionepithelioma.

Master of Science in Ophthalmology

Edward Philip Drescher, San Fran-
cisco, Calif.

B.A. '36, M.D. '40, University of California. Major: Ophthalmology. Minor: Pathology. Thesis: Asymmetrical Exophthalmos.

Thomas Joseph Kirby, Jr., New Wil-
lard, Tex.

B.A. '38, Baylor University; M.D. '44, Southwestern Medical College. Major: Ophthalmology. Minor: Pathology. Thesis: Phakomatoses.

Master of Science in Orthopedic Surgery

James Gordon Bateman, Giffen,
Mont.

B.S. '39, M.D. '42, University of Minnesota. Major: Orthopedic Surgery. Minor: Pathology. Thesis: The Histopathology of the Synovial Membrane of the Hip in Osteoarthritis.

David John Nelson, Austin

B.S. *cum laude* '42, Hamline University; M.D. '46, University of Minnesota. Major: Orthopedic Surgery. Minor: Pathology. Thesis: A Radiographic Study of 191 Cases of Legg-Perthes' Disease.

Einer Wesley Johnson, Jr., Bemidji

B.A. '41, B.S. '44, M.D. '45, University of Minnesota. Major: Orthopedic Surgery. Minor: Surgical Pathology. Thesis: Hemangiomas of the Extremities.

Paul Ellsworth Spray, Wilkinsburg,
Pa.

B.S. '41, University of Pittsburgh; M.D. '44, George Washington University. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Chondromalacia Patellae.

John Franklin Tillotson, Lima, Ohio

B.A. '37, Oberlin College; M.D. '43, Ohio State University. Major: Orthopedic Surgery. Minor: Pathology. Thesis: Synovial Sarcomas.

Master of Science in Pathology

W. Harold Civin, Omaha, Neb.

B.S. '38, M.D. '40, University of Nebraska. Major: Pathology. Minor: Clinical Pathology. Thesis: The Postnatal Changes in the Intrapulmonary Arteries and Arterioles and the Changes in These Vessels in Isolated Interventricular Septal Defects and in the Eisenmenger Complex.

Thomas Kermit Hepler, Valley View,
Pa.

B.S. '37, Pennsylvania State College; M.D. '41, Jefferson Medical College. Major: Pathology. Minor: Clinical Pathology. Thesis: Adenocarcinoma of the Cervix Uteri.

George Thomas Joyce, Rochester
B.A. '41, M.D. '44, University of Minnesota.
Major: Pathology. Minor: Clinical Pathology.
Thesis: Iodized Oil Granulomas of the Lung.

James Thomas McClellan, Lexington,
Ky.

B.S. '37, B.A. '40, M.D. '42, University of
Oklahoma. Major: Pathology. Minor: Clinical
Pathology. Thesis: A Study of Toxoplasmosis
with Special Reference to Congenital Toxo-
plasmic Encephalomyelitis in Autopsy Material
of Hydrocephalic Fetuses, Newborn Babies,
Infants and Young Children.

Master of Science in Pediatrics

Emma Evelyn Elizabeth Hartman,
Hancock, Mich.

Licentiate of Med. '45, University of Helsinki.
Major: Pediatrics. Minor: Pathology. Thesis:
Relation of Illness in Pregnant Women to Oc-
currence of Congenital Anomalies in Offspring.

Alvin Beasley Hayles, Mobile, Ala.

B.S. '37, Spring Hill College; M.D. '41,
Washington University. Major: Pediatrics. Mi-
nor: Physiology. Thesis: The Glycine Test for
Cystic Fibrosis of the Pancreas.

Master of Science in Physical Medicine

Edward Montgomery Krusen, Jr.,
Philadelphia, Pa.

B.A. '41, M.D. '44, University of Pennsyl-
vania. Major: Physical Medicine. Minor:
Physiology. Thesis: Electrolytic Changes in the
Voluntary Muscle Fibers of the Rat as Re-
vealed by the Microincineration Technic.

James Weaver Rae, Jr., Toledo, Ohio

B.S. '40, M.D. '43, University of Michigan.
Major: Physical Medicine. Minor: Physiology.
Thesis: A Comparative Study of the Tempera-
tures Produced by Microwave and Short Wave
Diathermy.

Master of Science in Radiology

Roderick Louis Tondreau, Brunswick,
Me.

B.S. '36, Bowdoin College; M.D. '40, Univer-
sity of Pennsylvania. Major: Radiology. Minor:
Pathology. Thesis: Bezoars of the Stomach.

Master of Science in Surgery

Irving M. Ariel, Minneapolis

B.A. '32, Coe College; M.D. '36, State Uni-
versity of Iowa; M.S. '40, University of Roches-
ter. Major: Surgery. Minor: Cancer Biology.
Thesis: The Effects of Water Intravenously
Administered to Patients Postoperatively.

Charles Fay Brigham, Jr., St. Cloud

B.S. '42, M.D. '42, University of Minnesota.
Major: Surgery. Minor: Pathology. Thesis: The
Application of Early Weight Bearing in the
Treatment of Simple Undisplaced Pelvic Frac-
tures.

Harry William Clatworthy, Jr., Brook-
line, Mass.

B.A. '39, Stanford University; M.D. '43, Har-
vard Medical School. Major: Surgery. Minor:
Pathology. Thesis: Thoracic Aortic Coarctation:
Its Experimental Production in Dogs
with Special Reference to Technical Methods
Capable of Inducing Significant Intraluminal
Stenosis.

Dexter Eugene Guernsey, Minneapolis

B.S. '40, M.D. '41, University of Minnesota. Major: Surgery. Minor: Surgical Pathology. Thesis: Carcinoma of the Rectum: Prognosis Based on the Distance of Lesions from, or Involvement of, the Levator Ani Muscle.

John Kenneth Helferty, Minneapolis

B.S. '29, North Dakota Agricultural College; M.D. '34, University of Chicago. Major: Surgery. Minor: Pathology. Thesis: Gastrectomy, a Postoperative Study.

Frank Edward Johnson, Eagle Bend

B.S. '40, M.D. '43, University of Minnesota. Major: Surgery. Minor: Pathology. Thesis: The Effect of Vagotomy on the Motor Activity of the Gallbladder in the Human.

Madison Johnson Lee, Jr., Danville, Ky.

B.A. '40, Centre College; M.D. '44, Tulane University. Major: Surgery. Minor: Surgical Pathology. Thesis: Benign Mesotheliomas (Adenomatoid Tumors) of the Genital Tract.

Vernon Joseph Maino, Rochester

B.A. '39, M.D. '42, Stanford University. Major: Surgery. Minor: Surgical Pathology. Thesis: The Relationship of Lymphocytic Infiltration to Radioiodine Distribution in Exophthalmic Goiter.

Elmer James Martinson, Wayzata

B.A. '41, Union College; M.D. '42, College of Medical Evangelists. Major: Surgery. Minor: Pathology. Thesis: Fractures of the Olecranon: An Inquiry into the Causes of Late Loss of Elbow Motion with an Evaluation of Several Types of Management.

Thomas Nelson Poore, St. Paul

B.A. '39, Carleton College; M.D. '44, University of Minnesota. Major: Surgery. Minor: Pathology. Thesis: Abdominal Neuroblastomas.

James Edward Pridgen, Cuero, Tex.

B.A. '39, University of Texas; M.D. '43, Tulane University. Major: Surgery. Minor: Surgical Pathology. Thesis: Carcinoma of the Jejunum and Ileum Exclusive of Carcinoid.

John Ordie Shaffer, Oakland, Calif.

B.S. '42, M.D. '44, University of Minnesota. Major: Surgery. Minor: Pathology. Thesis: Intra-arterial Penicillin in the Surgical Treatment of Infections of the Extremities.

Eugene Edward Skroch, Independence, Wis.

B.S. '41, M.D. '43, University of Wisconsin. Major: Surgery. Minor: Surgical Pathology. Thesis: Scirrhus Carcinoma of the Stomach.

Frank Bean Whitesall, Jr., Brooklyn, N.Y.

B.S. '37, Columbia University; M.D. '41, Georgetown University. Major: Surgery. Minor: Surgical Pathology. Thesis: The Clinical Significance of Lymphocytic and Fibrocytic Replacement of the Hyperplastic Thyroid Gland.

Master of Science in Urology

Donald Dean Albers, Presho, S.D.

B.S. '43, M.S. '43, M.D. '43, Northwestern University. Major: Urology. Minor: Pathology. Thesis: Carcinoma Cells in Prostatic Secretion.

Gerald Frederick Whitlock, Eldon, Mo.

B.S. '37, Baker University; M.D. '41, Washington University. Major: Urology. Minor: Pathology. Thesis: Primary Carcinoma of the Ureter.

Master of Social Work

Robert Boyer, Minneapolis

B.A. '47, University of Minnesota. Field of Concentration: Social Work.

Gerald Bertram Bubis, Minneapolis

B.A. '48, University of Minnesota. Field of Concentration: Social Work.

Margaret Heline Brant, Minneapolis

B.A. '50, University of Minnesota. Field of Concentration: Social Work.

Marion Hildur Charlson, Kenyon

B.A. '46, University of Minnesota. Field of Concentration: Social Work.

Olive Lydia Crocker, Minneapolis
B.A. with distinction '31, University of Minnesota. Field of Concentration: Social Work.

Eldred Charlotte Gorder, Minneapolis
B.A. '31, St. Olaf College. Field of Concentration: Social Work.

Ella A. Berge Gorder, Starbuck
B.A. magna cum laude '48, University of Minnesota. Field of Concentration: Social Work.

Mary Elizabeth Jepson, Oskaloosa, Kan.
B.A. '46, University of Kansas. Field of Concentration: Social Work.

Elliot Roger Knauer, Brooklyn, N.Y.
B.A. '48, Brooklyn College. Field of Concentration: Social Work.

Mary Elizabeth Leonard, Washington, D.C.
B.A. cum laude '46, American University. Field of Concentration: Social Work.

Thelma Helen Levine, Fargo, N.D.
B.A. '37, University of North Dakota. Field of Concentration: Social Work.

Ethel Lunde, Minneapolis
B.A. cum laude '47, University of Minnesota. Field of Concentration: Social Work.

Phyllis Mondshein Minerva, New York, N.Y.
B.A. '44, Hunter College. Field of Concentration: Social Work.

Mitchell Curtis Neiman, Minneapolis
B.A. cum laude '46, University of Minnesota. Field of Concentration: Social Work.

Raymond Alfred Newman, Eveleth
B.A. '48, University of Minnesota. Field of Concentration: Social Work.

Mary Elizabeth Pennock, Excelsior
B.A. cum laude '38, University of Minnesota. Field of Concentration: Social Work.

Charlotte Verle Peterson, Duluth
B.A. cum laude '46, Hamline University. Field of Concentration: Social Work.

Ruth Anne Raab, Berkeley, Calif.
B.A. cum laude '47, University of Minnesota. Field of Concentration: Social Work.

Jack Simos, St. Paul
B.S. '48, University of Minnesota. Field of Concentration: Social Work.

Emily Josephine Stanley, Fort Bragg, N.C.
B.A. '48, Pennsylvania State College. Field of Concentration: Social Work.

Jane Alice Stearns, Kansas City, Mo.
B.A. '43, University of Nebraska. Field of Concentration: Social Work.

Mary Ann Stengel, Milbank, S.D.
B.A. '46, North Central College. Field of Concentration: Social Work.

Janet Mae Swanson, Minneapolis
B.A. '48, Carleton College. Field of Concentration: Social Work.

Helen Anna Tullis, Madison, Wis.
B.A. '37, University of Wisconsin. Field of Concentration: Social Work.

Marie Zink, Waverly, Iowa
B.A. '37, Wartburg College. Field of Concentration: Social Work.

Doctor of Philosophy

Alvin George Anderson, Duluth
B.C.E. with distinction '33, M.S. in C.E. '35, University of Minnesota. Major: Civil Engineering. Minor: Mathematics and Mechanics. Thesis: A Study of Waves Formed by Flowing Water in the Sediment Composing the Bed of an Open Channel. Major Adviser: Prof. L. G. Straub.

Harold Frederick Arneman, Mankato
B.S. '39, M.S. '46, University of Minnesota. Major: Soils. Minor: Geology. Thesis: The Physical and Mineralogical Properties of Related Minnesota Prairie Soils. Major Adviser: Prof. P. R. McMiller.

Olav Johan Braenden, Norderhor, Hoenefoss, Norway
Cand. Pharm. '42, University of Oslo. Major: Pharmaceutical Chemistry. Minors: Chemical Engineering and Physiological Chemistry. Thesis: The Action of Nitrogen Tetroxide on Sorbose. Major Adviser: Prof. Ole Gisvold.

John Edison Brock, Webster Groves, Mo.
B.S.M.E. '38, M.S.E. '41, Purdue University. Major: Mathematics. Minor: Mechanics. Thesis: Generalized Blaschke Products. Major Adviser: Prof. S. E. Warschawski.

Yeong-Chiou Chiang, Changchow,
Kiangsu, China

B.S. '42, National Wu-Han University; M.S. '48, University of Minnesota. Major: Civil Engineering. Minor: Mathematics. Thesis: A Study of New Methods for Analysis of Stiffened Suspension Bridge. Major Adviser: Prof. J. A. Wise.

Kwang Hwan Chu, Shanghai, China

B.S. '43, University of Nanking; M.S. '49, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Studies of Inheritance of Seed Size and Other Characters from F_3 Data in a Cross between an Indian Variety and a North American Variety of Flax. Major Adviser: Prof. J. O. Culbertson.

Ruth Cathlyn Cook, Mankato

B.S. '30, M.A. '35, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Identification of Topics in Prevailing Elementary School Curricula and the Study of Certain Implications Related to Their Treatment in the General and Professional Education of Teachers. Major Advisers: Prof. W. E. Peik and Prof. P. O. Johnson.

Donald Leon Drukey, St. Paul

B.Ch.E. with distinction '43, M.S. '48, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Effect of Retardation on Nuclear Forces. Major Adviser: Prof. J. W. Weinberg.

Laddie Joe Elling, Lawton, Okla.

B.S. '41, Oklahoma Agricultural and Mechanical College; M.S. '48, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: The Evaluation of Selected Alfalfa Clones. Major Adviser: Prof. H. L. Thomas.

Phyllis St. Cyr Freier, St. Paul

B.S. '42, M.A. '44, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: The Heavy Component of the Primary Cosmic Radiation. Major Adviser: Prof. E. P. Ney.

Rosendo Adolfo Gomez

Ph.B. '39, University of Vermont; M.A. '48, University of Minnesota. Major: Political Science. Minor: History. Thesis: Argentine Federalism: Its Theory and Practice. Major Adviser: Prof. A. N. Christensen.

Walter Thomas Graves, Minneapolis

B.C.E. '40, M.S. in C.E. '47, University of Minnesota. Major: Civil Engineering. Minor: Mathematics and Mechanics. Thesis: The Elastic Behavior of Slabs Supported on Marginal Beams. Major Adviser: Prof. J. A. Wise.

Clifford Alvin Hauberg, Northfield

B.S. '31, M.A. '40, University of Minnesota. Major: History. Minor: Education. Thesis: Economic and Social Development of Panama. Major Adviser: Prof. T. B. Jones.

Kuan Jen Hsu, Nantung, China

B.S. '34, National Central University. Major: Plant Genetics. Minor: Botany. Thesis: Comparative Studies in Corn of the Development of Normal and Dwarf Plants. Major Adviser: Prof. H. K. Hayes.

Jane Evelyn Hyde, Summit, N.J.

B.A. '43, Radcliffe College; M.S. '47, University of Minnesota. Major: Physiology. Minor: Neuroanatomy. Thesis: Factors Influencing Patterns of Muscular Activity in Response to Stimulation of Cerebral Motor Cortex. Major Adviser: Prof. Ernst Gellhorn.

David Tadashi Imagawa, Minneapolis

B.A. '44, Macalester College; M.S. '46, University of Minnesota. Major: Bacteriology. Minor: Physiological Chemistry. Thesis: Immunological Investigations of Mouse Mammary Cancer. Major Adviser: Dr. J. T. Sylverton.

Russell Tingey Johnson, Brigham
City, Utah

B.S. '44, Utah State Agricultural College; M.S. '48, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Combining Ability in Zea Maize as Related to Generations of Testing, Selection of Testers, and Characters of the Inbred Line. Major Adviser: Prof. E. H. Rinke.

Alexander Elvin Jones, Independence,
Mo.

B.A. *summa cum laude* '42, DePauw University; M.A. '49, University of Minnesota. Major: English. Minor: Linguistics. Thesis: Mark Twain and Religion. Major Adviser: Prof. H. N. Smith.

Abrar M. Khan, Buland-Shahr, (U.P.)
India

B.Sc. '40, M.Sc. '42, Muslim University (India). Major: Plant Pathology. Minor: Botany. Thesis: Factors Affecting the Pathogenicity of Rhizoctonia Solani on Legumes. Major Adviser: Prof. E. C. Stakman.

Robert Edwin Knoll, Omaha, Neb.

B.A. '43, University of Nebraska; M.A. '47, University of Minnesota. Major: English. Minor: Philosophy. Thesis: Fortinbras and His Character Type in Elizabethan Drama. Major Adviser: Prof. Huntington Brown.

Violet Mimi Koski, Palo Alto, Calif.
B.S. '42, University of Minnesota. Major: Botany. Minor: Plant Genetics. Thesis: Gene Action in Relation to the Development of Chloroplast Pigments in *Zea Mays* L. Major Adviser: Prof. E. C. Abbe.

Gove Pettit Laybourn, Minneapolis
B.A. cum laude '43, M.A. '47, University of Minnesota. Major: Psychology. Minors: Journalism and Business Administration. Thesis: A Study of Attitudes toward Advertising and Certain Correlates of These Attitudes with Special Reference to the Relationship between Consumers' Attitudes toward Advertising and Their Purchasing Behavior. Major Adviser: Prof. H. P. Longstaff.

Ernest Howard Lund, Minneapolis
B.S. '44, University of Oregon. Major: Geology. Minors: Petroleum Engineering and Geology (Paleontology). Thesis: Igneous and Metamorphic Rock of the Minnesota River Valley. Major Adviser: Prof. S. S. Goldich.

Mildred Malm, Glen Lake
B.S. with distinction '39, University of Minnesota. Major: Agricultural Biochemistry. Minor: Home Economics. Thesis: The Reaction of Periodic Acid and Sodium Metaperiodate with Chitin and Related Amino Sugars. Major Adviser: Prof. W. M. Sandstrom.

James Francis Marvin, Minneapolis
B.A. '36, University of Nebraska; M.S. '39, University of Minnesota. Major: Biophysics. Minor: Physics. Thesis: Studies of the Structure of Collodion and Collodion-Protamine Membranes Utilizing the Electron Microscope and the High Speed Microtome. Major Adviser: Prof. K. W. Stenstrom.

James Maxwell Hart Neilson,
Ottawa, Ontario, Canada
B.Sc. '36, Queens University; M.Sc. '47, McGill University. Major: Geology. Minors: Metallurgy and Civil Engineering. Thesis: Geology of the Lake Mistassini Region, Northern Quebec. Major Adviser: Prof. J. W. Gruner.

Thomas Andrew Nickerson, St. Paul
B.S. '43, University of California; M.S. '48, University of Minnesota. Major: Dairy Husbandry. Minor: Agricultural Biochemistry. Thesis: Spray-Dried Versus Freeze-Dried Milk. Major Adviser: Prof. S. T. Coulter.

Thomas Beniah O'Dell, Minneapolis
B.A. '42, Wabash College. Major: Pharmacology. Minor: Bacteriology. Thesis: Chemotherapeutic Studies on an Animal Virus. Major Adviser: Dr. R. N. Bieter.

Margaret Owchar, Shorncliffe, Manitoba, Canada
B.A. '45, University of Manitoba; M.A. '47, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Wiener Integrals of Multiple Variations. Major Adviser: Prof. R. H. Cameron.

Eric Douglas Putt, Altona, Manitoba, Canada
B.S.A. with distinction '38, M.Sc. '40, University of Saskatchewan. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Cytogenetic Studies of Sterility in Rye. Major Adviser: Prof. C. R. Burnham.

Charles Marshall Riley, Chicago, Ill.
B.S. '42, University of Chicago; M.S. '48, University of Minnesota. Major: Geology. Minors: Geography and Physics. Thesis: The Relations of the Physical and Chemical Properties to the Bloating of Clays. Major Adviser: Prof. J. W. Gruner.

Manfred Henry Schrupp, Arlington
B.S. '35, M.Ed. '41, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Differential Effects of the Development of Athletic Ability of a High Order. Major Advisers: Prof. C. L. Nordly and Prof. G. L. Anderson.

Abdel-Aziz Abdel-Hafez Soliman,
Cairo, Egypt
B.Sc. '42, M.Sc. '46, Fouad I University. Major: Entomology. Minor: Botany. Thesis: The Aphid, *Myzus persicae* Sulzer, in Relation to Leafroll and Net-Necrosis of Potatoes. Major Adviser: Prof. A. A. Granovsky.

Russell Julius Stenberg, Cass Lake
B.S. with distinction '43, University of Minnesota. Major: Agricultural Biochemistry. Minor: Analytical Chemistry. Thesis: A Study of the Browning of Bread on Storage. Major Adviser: Prof. W. F. Geddes.

Chang-ting Yang, Shanghai, China
B.S. '37, National University of Chekiang. Major: Chemical Engineering. Minor: Pharmaceutical Chemistry. Thesis: Distillation Principles of Aqueous Formaldehyde Solutions Vapor-liquid Equilibria and Effect of Pressure. Major Adviser: Prof. E. L. Piret.

Doctor of Philosophy in Medicine

Abraham Isaac Braude, Minneapolis
 B.S. '37, M.D. '40, University of Chicago. Major: Internal Medicine. Minor: Bacteriology. Thesis: Studies in the Pathology and Pathogenesis of Experimental Brucellosis. Major Adviser: Dr. W. W. Spink.

Wendell Howard Hall, Minneapolis
 B.S. with distinction '38, M.D. '41, University of Minnesota. Major: Internal Medicine. Minors: Pathology and Bacteriology. Thesis: Studies of Immunity to Brucellosis and the Bactericidal Action of Human Blood Against Brucella. Major Adviser: Dr. W. W. Spink.

Charles Archibald Owen, Jr., Monmouth, Ill.

B.A. '36, Monmouth College; M.D. '41, State University of Iowa. Major: Medicine. Minor: Physiology. Thesis: Studies on the Conversion of Prothrombin to Thrombin; Effect of Conversion Variations on Prothrombin Tests. Major Adviser: Dr. Victor Johnson.

Doctor of Philosophy in Radiology

Bernard James O'Loughlin, St. Paul
 B.S. '37, College of St. Thomas; M.S. '42, M.D. '42, Creighton University. Major: Radiology. Minor: Pathology. Thesis: Roentgen Visualization of the Human Inferior Vena Cava by Artificial Contrast Methods. Major Adviser: Dr. L. G. Rigler.

Doctor of Philosophy in Surgery

Frank Joseph Ankner, St. Paul
 B.S. '36, University of Chicago; M.D. '38, Rush Medical College. Major: Surgery. Minor: Pathology. Thesis: Primary Osteotomy for the Treatment of Intracapsular Fracture of the Neck of the Femur. Major Adviser: Dr. Clarence Dennis.

Floyd John Lewis, Minneapolis
 B.S. '38, M.S. '41, M.D. '42, University of Minnesota. Major: Surgery. Minor: Anatomy. Thesis: An Experimental Study Regarding the Effects of Various Sympathetic and Parasympathetic Denervations on Total Stomach Pouch Secretion and Peptic Ulcer Susceptibility in Dogs. Major Adviser: Dr. O. H. Wangenstein.

James Thomas Nix, Jr., New Orleans, La.

B.S. '36, Loyola University; M.D. '40, Louisiana State University. Major: Surgery. Minor: Physiology. Thesis: The Protein Constituents of Liver and Intestinal Lymph. Major Adviser: Dr. Victor Johnson.

SUMMARY OF DEGREES CONFERRED BY THE UNIVERSITY DURING THE ACADEMIC YEAR 1949-50

Degrees conferred July, August, and December, 1949; March, 1950.....	3,632*
Degrees conferred this June commencement, 1950 (subject to completion of requirements)	3,812†
Total degrees conferred during 1949-50	7,444

* Includes 97 conferred at Duluth.

† Includes 340 conferred at Duluth.

CAPS AND GOWNS

AN EXPLANATION

In the medieval city, clothing not unlike that worn by those participating in this commencement was common. The modern academic costume has evolved from the dress of the medieval guilds and the early religious orders.

Today, everyone with a college or university degree may wear the black academic gown. Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. At the University of Minnesota, the lining of the hood has a maroon chevron on an old gold ground to represent the University colors. A University faculty member who holds a degree from another college or university wears the colors of his own alma mater.

Distinctions between sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a Bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a Master's degree. A round, open sleeve marks a Doctor's degree.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer. It may be white for Arts and letters, gold-yellow for Science, maize for Agriculture, Forestry, Home Economics, and Veterinary Medicine, or light blue for Education. Orange denotes Technology; dark blue, Philosophy; purple, Law; green, Medicine; and pink, Music. Public Health is shown by salmon pink edging, Dentistry by lilac, Pharmacy by olive, and Commerce and Accounting by drab.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve. The trimming may be either black or may match the color of the hood edging.

Caps, or mortarboards, too, have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidate is an honor student.

For the Master's and Doctor's degree, the tassels are always black, but candidates for the Bachelor's degree at this commencement wear tassels which indicate their school or college by color as follows:

(In the order of their appearance on the platform)

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, Home Economics, and Veterinary Medicine	maize
College of Education	light blue
School of Business Administration.....	drab
College of Pharmacy.....	olive
Law School	purple
College of Medical Sciences.....	green
Graduate School.....	black

THE
UNIVERSITY OF MINNESOTA

Announces Its

July Centennial Commencement
1950

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, JULY 20

AT EIGHT O'CLOCK



1851

• FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING •
DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR TRUTH
DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF THE STATE

1951



University of Minnesota

THE BOARD OF REGENTS

Dr. James Lewis Morrill, President

Mr. William T. Middlebrook, Secretary

Mr. Julius A. Schmahl, Treasurer

The Honorable Fred B. Snyder, Minneapolis
First Vice President and Chairman

The Honorable Ray J. Quinlivan, St. Cloud
Second Vice President

The Honorable James F. Bell, Minneapolis

The Honorable Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable J. S. Jones, St. Paul

The Honorable George W. Lawson, St. Paul

The Honorable Albert J. Lobb, Rochester

The Honorable E. E. Novak, New Prague

The Honorable A. J. Olson, Renville

The Honorable Herman F. Skyberg, Fisher

The Honorable Sheldon V. Wood, Minneapolis

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota is currently celebrating its one hundredth birthday. While nearing this milestone, as from its very beginning, the University is dedicated to the task of training the youth of today, the citizens of tomorrow. How well it has succeeded is indicated by the number of doctors, lawyers, engineers, social workers, journalists, dentists, farmers, businessmen, and community and civic leaders in all fields—good citizens all—who have gone from its several campuses to actively participate in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded 101,344 degrees to its students who have completed the rigorous training demanded by the complexities and specialization of modern society.

In addition to the enormous task of giving collegiate instruction to some twenty-two thousand students on its Minneapolis, St. Paul, and Duluth campuses, the University offers, through its Schools of Agriculture, its General Extension Division, and its short courses, 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 demonstration agents, and recreation and health consultants give effective aid and assistance to citizens of the state in their very homes.

But the University of Minnesota, like all great universities, has expanded far beyond its early teaching and training programs. In its diverse research laboratories on its three campuses, at the several agricultural experiment stations, at the Rosemount Research Center, and at the University Hospitals, its scientists at any one moment are working on countless research experiments of vital interest to the future health and welfare of all of us. These projects deal with such matters as cancer, poliomyelitis, taxation, low-grade iron ore, cheese making, teacher training, municipal government, nuclear fission, new varieties and strains of grains and fruits, supersonics and transonics, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the Minneapolis Symphony, the University Artists Course, radio station KUOM, the University Theatre, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Concert and Lecture Service and the School Assembly 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 because it is the second largest state university in the nation, but because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in their University is a dynamic, living thing and expresses itself in many ways. Contributions from them now make it possible for the great Mayo Memorial building and for the new Variety Club Heart Hospital to be erected over the coming months. Through the American Legion and auxiliary posts all over the state, thousands of friends have made relatively small gifts to provide an endowed research professorship in heart diseases. Gifts to the Greater University Fund, each appropriately called "A Share in Greatness," now being made especially by alumni, are worthy of special mention.

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 University Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

Order of Events

THE ASSEMBLING OF THE AUDIENCE: As candidates for degrees at this evening's commencement and their friends and relatives reach the Minneapolis Campus of the University of Minnesota from 7:00 to 7:30 p.m., they will hear the Flemish bells being played from Northrop Memorial Auditorium, Miss Peggy D. Smith, B.S. '49, carillonneur. Admission to the July commencement exercises in the Auditorium is by guest card only. Guests will be seated as they arrive in the Auditorium and will remain seated until the colors are presented.

ORGAN RECITAL: Beginning at 7:30 p.m., Mr. Arthur B. Jennings, Associate Professor of Music and University Organist, will play:

Tocata and Fugue in D Minor	- - - - -	Bach
Chorale "Jesu, Joy of Man's Desiring"	- - - - -	Bach
The Old Castle (Pictures from an Exhibition)	- - - - -	Moussorgsky
Rondé Francaise	- - - - -	Boëllmann

PROCESSIONAL: Finale from the Sixth Organ Symphony - - - Widor

PROCESSIONAL: As candidates for degrees enter the Auditorium at 8:00 p.m. the curtain will be drawn. Seated on the platform, left to right, are: Mr. Julius M. Nolte, Dean of University Extension, Marshal; Dr. Ray G. Price, Professor of Education, Marshal; The Reverend Robert W. Clark, Member, Minnesota Council of Religion, and Executive Secretary Y.M.C.A., St. Paul Campus, University of Minnesota; Commander Charles F. Putman, USN, Associate Professor of Naval Science; Dr. T. Raymond McConnell, Dean of the College of Science, Literature, and the Arts; Dr. Athelstan F. Spilhaus, Dean of the Institute of Technology; Dr. Wesley E. Peik, Dean of the College of Education; Mr. Stanley V. Kinyon, Assistant Dean of the Law School; Dr. Theodore C. Blegen, Dean of the Graduate School; Mr. Thomas A. H. Teeter, Dean of the Summer Session; Dr. Malcolm M. Willey, Vice President, Academic Administration; Mr. Howard P. Davis, Analyst and Observer of World Affairs; Dr. Horace T. Morse, Dean of the General College; Dr. Russell M. Cooper, Assistant Dean, University College; Dr. Henry Schmitz, Dean of the College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dr. Richard L. Kozelka, Dean of the School of Business Administration; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Mr. True E. Pettengill, Recorder; Mr. Roy A. Schuessler, Assistant Professor of Music; Dr. Richard K. Gaumnitz, Assistant Dean of the School of Business Administration, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University Army ROTC and Air ROTC Cadets, and Naval ROTC Midshipmen, enters the Auditorium, the audience will rise.

THE NATIONAL ANTHEM (first stanza only): The entire audience and Mr. Roy A. Schuessler, M.A., Assistant Professor of Music, soloist.

INVOCATION: The Reverend Robert W. Clark, B.D., Member, Minnesota Council of Religion and Executive Secretary Y.M.C.A., St. Paul Campus, University of Minnesota.

Order of Events

SPEAKING FOR THE UNIVERSITY: Vice President Malcolm M. Willey, Ph.D., Vice President, Academic Administration, University of Minnesota.

COMMENCEMENT ADDRESS: "Open Doors Are Front Doors," Mr. Howard P. Davis, observer and analyst of world and national affairs.

CONFERRING OF COMMISSION: Dean Thomas A. H. Teeter, Dean of the Summer Session, will introduce Commander Charles F. Putman, USN, Associate Professor of Naval Science, who will present his candidate for a commission in the Naval branch of the armed services, and administer the oath of office. The commission will be presented by Vice President Malcolm M. Willey.

CONFERRING OF DEGREES: Dean Thomas A. H. Teeter, B.S., Summer Session, will introduce the several deans or their representatives who will present the candidates for degrees in their respective colleges. These, in order of their introduction, are: Dean Horace T. Morse, Ph.D., General College; Dean T. Raymond McConnell, Ph.D., College of Science, Literature, and the Arts; Assistant Dean Russell M. Cooper, Ph.D., University College; Dean Athelstan F. Spilhaus, D.Sc., Institute of Technology; Dean Henry Schmitz, Ph.D., College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dean Wesley E. Peik, Ph.D., College of Education; Dean Richard L. Kozelka, Ph.D., School of Business Administration; Assistant Dean Stanley V. Kinyon, LL.B., Law School; Dean Harold S. Diehl, M.D., College of Medical Sciences; Dean Theodore C. Blegen, Ph.D., Graduate School. All degrees will be conferred by Vice President Malcolm M. Willey. Immediately afterwards, certificates and diplomas will be presented by each dean to the graduates of his college.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidate for this degree will be presented individually by Dean Theodore C. Blegen to Vice President Malcolm M. Willey, who will confer the degrees.

"HAIL! MINNESOTA," the University's alma mater song: The audience and Mr. Roy A. Schuessler, soloist.

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

RECESSIONAL: Associate Professor Arthur B. Jennings, University Organist.
Toccata on "Ave Maris Stella" - - - - - Dupré

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

Candidate for Commission

Subject to the completion of all curriculum requirements at the close of the first term of the Summer Session, the commission will be presented as indicated to the student listed below and upon such others as may meet the requirements for Reserve Officers in the Armed Services.

DEPARTMENT OF NAVAL SCIENCE

Ensign, SC, USN

Reynold Clarence Tveita, Minneapolis

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

Steven Clarence Andrews, Jr., Minneapolis

Daniel John Cylkowski, St. Paul

Ralph Harlan Dokken, Minneapolis

Raymond Gerald Greenspoon, Minneapolis

David Charles Kildahl, Minneapolis

James Allen Morris, Minneapolis

Alys Ann Myhre, Spring Grove

Todd Malcolm Underwood, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

John William Ivance, St. Paul

Carol Jean Larsen, Minnetonka Beach

Donald Berton Long, Sauk Rapids

Barbara Beth Lund, Minneapolis

James Robert Moser, Minneapolis

Mary Louise Otterholm, Minneapolis

Orvil Malcolm Roetman, Portland, Ore.

Elaine Lois Waitdt, Minneapolis

Bachelor of Arts

- David Krueger Adamson, Minneapolis
 Wanda Inez Allender, Los Angeles, Calif.
 Karl John Altenecker, St. Paul
 Ruth Esther Amstutz, Minneapolis
 Keith Harlan Anderson, Rock Creek
 Richard William Anderson, Keewatin
 Edwin Lee Armstrong, Minneapolis
 Robert Austin Barber, Minneapolis
 Robert Dean Barber, Minneapolis
 Ronald Alvin Berkovitz, A.A., St. Paul
 Rosalind Borchert, Gaylord
 Donald Lester Boucher, Minneapolis
 Howard William Brennan, Minneapolis
 Burton Norris Brin, Minneapolis
 Duane Winston Cady, Minneapolis
 Hector Neri Castaneda, Zacapa, Guatemala
 Donald Earl Christie, Faribault
 Ernest Lothar Christopher, Minneapolis
 John Christopher Countryman, St. Paul
 Stanton Jay Curry, Windom
 Raymond Copley Cutting, St. Paul, MAGNA CUM LAUDE
 Lorraine Carolyn Dahlke, B.A., Wisconsin Rapids, Wis.
 Harold Oscar Danielson, A.A., Minneapolis
 Robert Patrick DeLane, Minneapolis
 Herbert Charles Doering, New Ulm
 Ralph Thomas Duddles, Excelsior
 Nancy Margaret Dyke, Minneapolis
 Philip Harry Eastwood, Stillwater
 Philipp Karl Eidmann, St. Paul
 Donald Dean Erickson, Minneapolis
 Robert Francis Fischer, Hibbing, MAGNA CUM LAUDE
 Hans Gilbert Forsline, A.A., Cook
 Kathryn Jane Brown Gehring, Minneapolis, CUM LAUDE
 William Russell Goodchild, Minneapolis
 Dora Gosso, St. Paul
 Hamlin Hoime Hagander, Minneapolis, CUM LAUDE
 Leo Theodore Hegstrom, Minneapolis
 Sylvester Stephan Hera, Jr., Minneapolis
 Willard Lyle Holter, Chisholm
 Virginia Huck, Minneapolis
 Gerald William Ireland, Minneapolis
 Henry Bronn Jacobson, Minneapolis
 James Owen Johnson, Virginia
 Sandra Gail Johnson, Centuria, Wis.
 Gordon Delos Johnston, A.A., Tracy
 Clara Kanun, St. Paul
 Marilyn Bernice Kiedaisch, St. Paul
 Murray James Kiteley, Minneapolis
 Donald Wallace Klein, Minneapolis
 Richard James Krebsbach, St. Paul, CUM LAUDE
 George Robert Medinnus, St. Paul
 Ray Edred Millette, Jr., Hollywood, Calif., MAGNA CUM LAUDE
 Clay Randolph Moore, Minneapolis
 Joyce Petersen Mouratides, Comanche, Iowa
 Kathryn Ruth Murray, Minneapolis, CUM LAUDE
 Chris E. Muzetras, Minneapolis
 John Joseph Myslajek, Minneapolis
 Myron Carl Nelson, Cable, Wis.
 Russell Howard Nelson, Minneapolis
 Joseph Daniel O'Brien, Worthington
 Mary Ann Olson, St. Paul
 Margaret Jean Park, A.A. Bemidji
 Gordon Hjalmer Peterson, Esko
 Walter Eggleston Pratt, Minneapolis
 James Anthony Retka, LeSueur, MAGNA CUM LAUDE
 Russell Edwin Robertson, Virginia
 Edmond Harvey Rubin, Minneapolis
 Frank Henry Sack, III, St. Paul
 Doris Vivien Schoon, Luverne
 Wilmer George Sheldon, Clearwater
 Nathan Theodore Sidley, St. Paul, SUMMA CUM LAUDE
 Mary Jean Simpson, West St. Paul
 Eleanor Kathleen Smith, Minneapolis, CUM LAUDE
 Russell Charles Smith, Milaca
 Mavis Joyce Sorbo, Minneapolis

Robertson Andrew Struthers, Minne-
apolis
Carl Johan Swendseen, Minneapolis
Paul Burton Thayer, St. Paul

Reynold Clarence Tveita, Minneapolis
Theodore Warren Wessen, Minne-
apolis

Bachelor of Science

Harold Arthur Belsheim, Minneapolis

Bachelor of Science in Library Science

Ella Viola Flinspach, B.A., Wash-
burn, N.D.
Alice Helen Johnson, B.A., South
St. Paul, CUM LAUDE

Helen Hamilton Smith, B.A., Bach.
of Journ., St. Louis, Mo.
Corinne Marie Spors, B.A., Le Center

UNIVERSITY COLLEGE

Bachelor of Arts

Thomas John Hartigan, A.A., St. Paul

Bachelor of Science

Boyd Anton Sanderson, Granite Falls

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

William Clyde Broding, Foley, WITH DISTINCTION

Bachelor of Agricultural Engineering

Wallace Allen Erickson, Plummer
James Edward Johnston, Grafton,
N.D., WITH DISTINCTION

Norman Leo Rick, Minneapolis

Bachelor of Chemical Engineering

William Leo Adams, Minneapolis
Francis Hugh Deef, Waseca
James Edwin Dillman, Minneapolis

Gilbert LeRoy Hawkinson, Minne-
apolis
Bernard John Olson, Minneapolis

Bachelor of Chemistry

Richard Erland Johnson, Minneapolis

Robert Odin Vidas, Minneapolis

Bachelor of Civil Engineering

Gordon David Anderson, Minneapolis
John Paul Badalich, South St. Paul
Glenn William Burnett, Tyler
Herbert Melvin Falk, Cambridge,
WITH DISTINCTION
Lester Adolph Heggernes, St. Paul

John Herman Hertog, St. Paul
Robert Lewis Johnson, Cass Lake
Clement Philip Kachelmyer, Duluth
John David Nagel, Adams
Donald Henry Olson, Hibbing
Chester Jerome Zimmiewicz, St. Paul

Bachelor of Electrical Engineering

James Clifford Blackett, St. Paul
Mark Rath Dusbabek, Grand Rapids
Elmer Edwin Fast, Mountain Lake
Trygve Ragnvold Johnson, St. Paul
Jay Austin Kershaw, Minneapolis

William Lawrence Moline, St. Paul
William Curtis Nelson, Douglas
Lodge
Leonard Wylie Soden, Pomona, Calif.
William John Soshea, Crosby

Bachelor of Engineering Mathematics

Charles Nelson Kirks, Minneapolis

Bachelor of Mechanical Engineering

Rodney Earl Anderson, Moose Lake
Donald David Baron, Minneapolis
Herbert Evald Fasth, Minneapolis
Floyd Robert Fier, Taunton
David L. G. Jones, St. Paul
Theodore Kochaver, A.S., Virginia
Raymond Arthur Komarek, St. Paul
Merlin Howard Kvaal, St. Paul
Walter Charles Larsen, Minneapolis
Joseph Bennet Lloyd, Hopkins

Donald James McAnulty, Red Lake
Falls
John William McNamara, St. Paul
Vernon Vincent Nash, Balaton
Arney Maro Ness, Minneapolis
Keith Arlan Nesseth, Minneapolis
Douglas Irving Overland, Minneapolis
John Vinje Taylor, Winona
Robert Fred Waters, Minneapolis
Robert Paul Weis, Benson
Jerome Aloysius Zarembinski, St. Paul

Bachelor of Metallurgical Engineering

Robert Joseph Denn, Janesville

Bachelor of Physics

Marcus Paul Dickey, Minneapolis

Royal Richard Marshall, Minneapolis,
WITH HIGH DISTINCTION

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

- Robert Gordon Barker, St. Vincent, Forestry
Emmett Norlin Bergman, Fulda, Veterinary Medicine, WITH HIGH DISTINCTION
Margaret Anne Gilman, Minneapolis, Home Economics
Harvey Stanton Haglin, Groningen, Agriculture
James Thomas Hegland, Appleton, Agriculture
Valborg Miller Jessen, Tyler, Home Economics
Dean Norman Koetz, Winona, Agriculture
Gordon Lyle Landphier, Richland Center, Wis., Forestry
- Warren Franklin Liebenstein, A.A., Austin, Agriculture
Barbara Solviæg Melom, Dawson, Home Economics
Domenico Antonio Pagnotta, B.Ch.E., Nashwauk, Forestry
Rodney Wayne Rowe, Long Prairie, Fish and Wildlife Management
Lillian Uliko Sawamura, Minot, N.D.
Maurine F. Schroeder, St. Paul, Home Economics
Ervin Henrik Shipstead, Winona, Agriculture
Kathleen Agnes Wold, Hibbing, Home Economics

COLLEGE OF EDUCATION

Bachelor of Science

- Ann Marie Aaberg, Ogilvie
Ruth Z. Apostolakis, B.A., Duluth
Mayme Clarissa Austenson, Minneapolis
Helen Marion Boe, B.A., Kennebec, S.D.
Alberta Burk, Independence, Iowa*
Samuel Willis Carson, St. Paul
Ivy Zimpel Dale, Minneapolis
Minnie Maude Dinwiddie, Grand Rapids
Marie Dzipin, Garfield, N.J.*
Jeannette May Edgar, Mora
Louise Eleanor Fruen, B.A., Minneapolis
Robert Joseph Gilbertson, Minneapolis
Margaret Berkey Gripp, Minneapolis
Josephine E. Guernsey, B.A., Minneapolis
Mary Kathryn Gustafson, B.A., Minneapolis
- Martha Cecilia Habib, Shenandoah, Pa.*
Douglas Arthur Hanson, Minneapolis
Robert Harold Hermanson, B.A., Minneapolis
Norman Rex Hield, Minneapolis
James John Hilgert, St. Paul
Audrey Vionnet Hovde, St. Paul
Russell Ross Hulings, Sidney, Mont., WITH DISTINCTION
Warren A. Jeffries, Sauk Centre
Harold Harlan Johnson, Pine City
Frances A. Kelly, Annandale
Theodore Glen Kittleson, Minneapolis
Jack Kleinberg, Brooklyn, N.Y.
Ronald Thomas Lambert, Minneapolis
Quentin O'Dell Larson, B.B.A., Spooner, Wis.
Wilbur John Lenihan, A.A., Minneapolis

* Nursing Education Curriculum.

Katherine Lindberg Lillehei, R.N.,
G.N., Minneapolis*
Herbert L. Loken, Minneapolis
Elizabeth Mitchell Long, B.A.,
Minneapolis
William Lee Mattson, Brainerd
Elaine Mary McCormack, Minneapolis
Nellie Medhus, Badger, WITH DISTINCTION
Minna Emma Moehring, St. Paul,
WITH DISTINCTION*
Doris Isobelle Musson, R.N., Ames,
Iowa*
Herman Sevareid Naeseth, Minne-
apolis
Jean Joan Nelson, Lafayette
Lois Ona Olson, DeSoto, Wis.*
Dale Carl Paul, B.S.L., St. Paul

Jo Ann Peterson, B.A., Minneapolis
Edward John Potocnik, Gilbert
Robert Lester Runkle, Jr., St. Louis
Park, WITH DISTINCTION
Edward A. Shepel, A.S., Ely
Aili Siltanen, Cloquet, WITH DISTINCTION
Donald Theodore Smith, B.A.,
Minneapolis
Jeanne Marie Hitsman Stables,
St. Paul
Carolyn Fay Mowery Stokes, St. Paul
Frank Clayton Tonnemaker, Minne-
apolis
John Ludwig Utermochl, Jr., Minne-
apolis
Patricia Alden Weigel, Minneapolis

Bachelor of Science in Library Science

Blanche A. Aust, B.S., Chicago, Ill.
Margaret Helen Barry, B.A., Minne-
apolis
Eleanor Mary Cole, B.A., Duluth
John Robert Devitt, B.S., St. Paul
Frances Edna Gruesen, B.S., Duluth
Fyrne Haugen, B.A., Mankato
Josephine Amanda Hermanson, B.S.,
Blackduck
Louise L. Klohn, B.S., M.A., Minne-
apolis

Jerome P. Marturano, B.S. in Educ.,
Buhl
Lando Clarence Otto, B.A., M.A.,
Concordia, Mo.
Nina Rauk, B.S., Rochester
Grace Josephine Rider, B.A., Daven-
port, Iowa
Jeanette Marie Wittich, B.S.,
Red Wing

Master of Education

William Stanley Appenzeller, B.S.,
Minier, Ill.
Donald Amos Bulmer, B.S., Minne-
apolis
Beverly Anderson Crump, B.S., Sartell
Robert James Dahl, B.S., Waseca
Winnifred Marie Erickson, B.S.,
Litchfield
Nora Wyelene Fredericksen, B.E.,
Lake Crystal
Woodrow B. Greene, B.A., B.S.,
Langford, S.D.
Arden Erlynn Hesla, B.A., B.Mus.,
Mankato

LaVernia Mae Jorgensen, B.A.,
Frederic, Wis.
Melvin Walter Kobiske, B.S., Weyau-
wega, Wis.
Forrest Tisdale Lothrop, B.S., Red-
field, S.D.
Donald William Merchant, B.S.,
Jamestown, N.D.
Harold Lee Miles, B.S., St. Paul
Gotthold Ottmar, B.S., Minneapolis
Glen Alwin Tews, B.S., Waseca
Robert John Williams, B.S., Duluth
Stanley Gordon Wold, B.S., Minne-
apolis

* Nursing Education Curriculum.

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Roland LaFollette Bjorklund, Henning, Agricultural Education	Melvin William Markwardt, Kimball, Agricultural Education
Jeanne Thorpe Chiodo, Minneapolis, Home Economics Education	Harry Edgar Peirce, Jr., Staples, Agricultural Education
Medora Jane Christison, Tracy, Home Economics Education	Janet Fraser Reusswig, Hibbing, Home Economics Education
Patricia Ann Flink, Coleraine, Home Economics Education	Phyllis Lou Swanson, Minneapolis, Home Economics Education
Archie Lee Holmes, Emerson, Ark., Agricultural Education	Lee Gordon Wahlberg, Sandstone, Agricultural Education
Vernon Peter Linn, Watkins, Agricultural Education	John W. Zwiebel, Ainsworth, Neb., Agricultural Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Leo Adelman, St. Paul	Arthur Walfred Johnson, South St. Paul
Samuel Brown Alch, Minneapolis	James Edward Johnson, Brainerd
Donald Meredith Anderson, Madison	Vernon Leroy Johnson, Forest Lake
Willard Wilson Bixby, Jr., St. Paul	Wayne William Johnson, Minneapolis
Robert Curtis Bjorge, Winona, WITH DISTINCTION	Ray Kirkhorn, Rustad
Clyde Clayton Bloom, Rochester	Robert Joseph Lenihan, St. Paul
Gerald James Bratter, St. Paul	Donald Gordon Maxson, Wadena
Rutherford F. Burr, Jr., Minneapolis	Roger Conrad Paulson, Shevlin, WITH DISTINCTION
Raymond Austin Chapman, Jr., Minneapolis, WITH DISTINCTION	Warren James Peterson, St. Paul
Elmer Edwin Fast, Mountain Lake	Warren Peter Quarnstrom, Brewster
Archie Walter Fink, Minneapolis	Elmer Robert Salovich, Minneapolis
Charles Patrick Gannon, A.A., Virginia	Clarence Lawrence Scheetz, Philadelphia, Pa.
Alan Eugene Gooderum, Winona	Dale Joseph Schmitz, West St. Paul
Herbert Leonard Gunderson, Austin	Joseph Warren Wewerka, St. Paul
Roy Kenneth Haugseth, Minneapolis	John Gregg Wood, Tampa, Fla.

LAW SCHOOL

Bachelor of Science in Law

Earl Lauren Johnson, Minneapolis

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science

- Richard Robert Anderson, Hibbing, Medicine
- Roger Eugene Anderson, B.A., Minneapolis, Medicine
- Virginia Lenore Anderson, A.A., R.N., St. Paul, Public Health Nursing
- George Linal Barnard, Jr., B.Met.E., Minneapolis, Medicine
- Richard Edward Barnes, B.A., Minneapolis, Medicine
- Herman Duane Bentz, B.A., Grand Rapids, Medicine
- Donald Benjamin Berg, Spicer, Medicine
- Ellen Lamssies Bondurant, Minneapolis, Occupational Therapy
- John Lawrence Bonner, Virginia, Medicine
- John Henry Bouma, B.A., Edgerton, Medicine
- Carl Otto Bretzke, B.A., Hutchinson, Medicine
- Roger Warren Brockway, B.A., Wayzata, Medicine
- Marshall Francis Brown, Gilbert, Medicine
- James Lee Canine, St. Paul, Medicine
- William Johnson Carr, B.A., Minneapolis, Medicine
- Frank Joe Carthey, B.A., St. Paul, Medicine
- Sherman Bradford Child, B.A., Minneapolis, Medicine
- John Burton Covell, B.A., Minneapolis, Medicine
- Paul Vernon Cummiskey, B.S., Mankato, Medicine
- Arthur Emerson Davis, Jr., St. Paul, Medicine
- James Henry DeGeest, B.A., Minneapolis, Medicine
- Richard Allison DeWall, B.A., Morris, Medicine
- Norman Jack Diamond, B.A., Minneapolis, Medicine
- Robert English Doan, B.A., Duluth, Medicine
- James Hetherington Dokken, B.A., Cokato, Medicine
- Ruth Ann Doyle, R.N., Stillwater, Public Health Nursing
- Gary Dudovitz, St. Paul, Medicine
- Robert Valentine Edwards, Minneapolis, Medicine
- Alicemary Robinson Edwardson, Deer River, Public Health Nursing
- Herman Harrison Eelkema, Duluth, Medicine
- Russell Jay Eilers, B.A., St. Paul, Medicine
- Luella Evelyn Enander, Stanley, N.D., Public Health Nursing
- Robert Dell Erickson, Wykoff, Medicine
- Vernon Douglas Erickson, B.A., Minneapolis, Medicine
- Virgil Thomas Fallon, B.A., Darwin, Medicine
- Albert David Fetzek, B.A., Minneapolis, Medicine
- Paul Reagan Finley, St. Paul, Medicine
- Donald Peter Fox, B.A., Minneapolis, Medicine
- Dorothy Belle Funk, Aurora, Ill., Public Health Nursing
- Ramon Michael Fusaro, Minneapolis, Medicine
- Victor Adolph Gilbertsen, B.A., Winona, Medicine
- William Robb Glenny, Jr., B.A., Minneapolis, Medicine
- Marvin Eleazer Goldberg, B.A., Minneapolis, Medicine
- Roy Herbert Good, Minneapolis, Medicine
- Francis John Grimmell, B.A., St. Paul, Medicine
- William Hunter Grohs, St. Paul, Medicine

Paul Oscar Gustafson, B.A., Minneapolis, Medicine
 Jack Frederick Haas, B.A., St. Paul, Medicine
 Charles Lee Harris, B.A., Park River, N.D., Medicine
 Samuel Bernard Haueson, B.A., Minneapolis, Medicine
 Yuki Hayashi, Minneapolis, *Public Health Nursing*, WITH HIGH DISTINCTION
 Paul Henry Hedenstrom, Cambridge, Medicine
 Duane Rodney Hedine, B.A., Alexandria, Medicine
 William Goddard Heegaard, Minneapolis, Medicine
 Dean Jacob Hempel, B.A., Minneapolis, Medicine
 Kenneth George Henry, B.A., Lewiston, Medicine
 Adele Frances Herrmann, Dubuque, Iowa, *Public Health Nursing*
 John Alden Higgins, B.A., Rochester, Medicine
 Edward George Huppler, B.A. *magna cum laude*, Minneapolis, Medicine
 William Charles Jackson, St. Paul, Medicine
 Bruce William Jarvis, B.A., St. Paul, Medicine
 Carolyn Adair Johnson, B.A., St. Paul, Medicine
 David Arthur Johnson, Minneapolis, Medicine
 Henry Wayne Johnston, Duluth, Medicine
 Donald A. Jones, B.A., Fort Snelling, Medicine
 Harold Baird Kadesky, B.A., St. Paul, Medicine
 Donald William Klass, B.A. *summa cum laude*, St. Paul, Medicine
 Richard Conrad Kogl, B.A., St. Paul, Medicine
 Lyle Vernon Kragh, B.S., Hendricks, Medicine
 Robert Joseph Leiferman, A.A., B.A. *magna cum laude*, Rochester, Medicine
 Robert Dean Letson, B.A., Minneapolis, Medicine
 Maurice Luther Lindblom, B.A., Minneapolis, Medicine
 Mark Boyd Listerud, B.A. *magna cum laude*, Wolf Point, Mont., Medicine
 Arthur Gene Litman, B.A., Minneapolis, Medicine
 Jerome Gregory Lommel, B.A., St. Cloud, Medicine
 James Parker Mahle, B.S., Minneapolis, Medicine
 Ralph Henning Mallinger, B.A., Oslo, Medicine
 Ken Matsumoto, B.E.E., Minneapolis, Medicine
 Gordon William McGregor, B.A., Minneapolis, Medicine
 Bryson Roy McHardy, B.A., Minneapolis, Medicine
 Clifford Douglas Molzahn, St. Paul, Medicine
 James Raymond Monnahan, St. Paul, Medicine
 Donald Robert Mueller, St. Croix Falls, Wis., Medicine
 Marvin Marshall Muske, Minneapolis, Medicine
 Floyd Forrest Myrick, D.D.S., Hamilton, Mont., Medicine
 Raymond Arthur Narverud, B.A., Minneapolis, Medicine
 Robert Harry Nelson, B.A., Ortonville, Medicine
 Richard Erling Payne, Leonard, Medicine
 Douglass Everal Perkins, B.A., Bluefield, W.Va., Medicine
 Isaac Michael Prlina, B.A., Hibbing, Medicine
 Sheldon Cooper Reed, B.A., Minneapolis, Medicine
 Donald Edson Roach, B.A., St. Paul, Medicine
 Robert Julius Rotenberg, B.A., Minneapolis, Medicine
 Paul Chadwick Royce, B.A., Brainerd, Medicine

- Charles Merle Samet, B.A. *magna cum laude*, Minneapolis, Medicine
 Raymond Wallace Scallen, B.A., Minneapolis, Medicine
 Joseph Edward Scallon, St. Paul, Medicine
 Irwin Francis Schaffhausen, B.A., Minneapolis, Medicine
 Mildred Jane Schaffhausen, B.S., Minneapolis, Medicine
 Esther Genevieve Sell, Minneapolis, Public Health Nursing
 Robert I. Shragg, Minneapolis, Medicine
 Nadine Genet Smith, B.A., St. Paul, Medicine
 Vernon Lyle Sommerdorf, B.A., St. Paul, Medicine
 Elliott Bernard Springer, B.A. *magna cum laude*, Minneapolis, Medicine
 Carl Johan Swendseen, Minneapolis, Medicine
 Donald Burton Swenson, B.A., Waseca, Medicine
 James Vincent Testor, St. Paul, Medicine
 Bertha Cecelia Weitensteiner, R.N., Spokane, Wash., Public Health Nursing
 Paul Harry Westphal, B.A., Gettysburg, S.D., Medicine
 Benjamin Wittels, B.A., Minneapolis, Medicine
 Melvyn Eugene Witthaus, B.A., St. Paul, Medicine
 John Clarence Wohlrabe, B.A. *magna cum laude*, Mankato, Medicine
 William Charles Woyda, B.A., Minneapolis, Medicine
 Arthur Jacob Wyatt, Jr., B.A., Minneapolis, Medicine

Master of Public Health

Maryella Clayton, B.S., Fort Smith, Ark.

GRADUATE SCHOOL

Master of Arts

- Karl Adolf Andresen, Drammen, Norway
 B.A. '49, Luther College. Field of Concentration: Political Science.
- Stephen Hunt Archer, St. Paul
 B.A. *cum laude* '49, University of Minnesota. Field of Concentration: Economics.
- Beverly Ayres, St. Paul
 B.A. '48, Wellesley College. Field of Concentration: Child Welfare.
- Alfred John Barron, St. Paul
 B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: Psychology.
- Kenneth Adrian Berg, St. Paul
 B.A. '40, Macalester College. Field of Concentration: Educational Psychology.
- Allan Blank, New York, N.Y.
 B.A. '48, New York University. Major: Music. Minor: Philosophy. Thesis: Songs of Innocence.
- Thomas Adams Brodie, Jr., St. Paul
 B.A. '48, Macalester College. Field of Concentration: Educational Administration.
- Palmer Anthony Brynildsen, Jr., Wantagh, N.Y.
 B.A. *cum laude* '49, New York University. Field of Concentration: Scandinavian Area Studies.
- Colleen Jane Bujold, Duluth
 B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: Psychology.
- Myra Janet Button, Farmington, Mich.
 B.S. '32, Michigan State College. Field of Concentration: Home Economics.

Bruce Henning Bylander, Eau Claire,
Wis.

B.S. '40, Eau Claire State Teachers College.
Field of Concentration: Educational Adminis-
tration.

Raymond Peter Carlson, Northome
B.A. *magna cum laude* '48, University of
Minnesota. Field of Concentration: Psy-
chology.

Paul Harrison Cashman, Minneapolis
B.S.L. '48, University of Minnesota. Field of
Concentration: Speech.

Judith Ann Couch, Minneapolis
B.A. *magna cum laude* '48, University of
Minnesota. Field of Concentration: Psychology.

Marion Karlsbroten DeLaitsch, Spring
Grove

B.A. '42, St. Olaf College. Field of Con-
centration: English.

Florence DeMont, Minneapolis
B.A. '43, University of Minnesota. Field of
Concentration: Psychology.

Aubrey Koefod Dunkum, Minneapolis
B.S. with distinction '48, University of Min-
nesota. Field of Concentration: Spanish.

Harvey Raymond Elliott, St. Paul
B.S. '49, University of Minnesota. Field of
Concentration: Political Science.

Frances Matilda Erickson, Lake City
B.A. '36, Gustavus Adolphus College. Field
of Concentration: Curriculum and Instruction.

Laura Kathryn Gilloley, Fergus Falls
B.S. with distinction '34, University of Min-
nesota. Field of Concentration: Education.

Wesley John Fred Grabow, Minne-
apolis

B.B.A. '44, University of Minnesota. Field of
Concentration: Curriculum and Instruction.

Romeo Eugene Gutsche, White Bear
Lake

B.A. '22, Heidelberg University. Major: Music.
Minor: German. Thesis: String Quartette in
C Minor—Opus 12, No. 1; and Symphony 1,
Opus 7.

Richard John Hanson, North St. Paul
B.S. '48, University of Minnesota. Field of
Concentration: Educational Administration.

Douglas Hamilton Irvine, Edinburgh,
Scotland

B.S. with honors '49, University of Edin-
burgh. Field of Concentration: Psychology.

Fred Holton Johnson, Minneapolis
B.S. '46, University of Minnesota. Field of
Concentration: Industrial Education.

Helen Jackson Johnson, Richmond,
Va.

B.S. *cum laude* '40, Virginia Union University.
Field of Concentration: Educational Psy-
chology.

Carl James Kittleson, Mankato
B.S. '42, Mankato State Teachers College.
Major: Music. Minor: English. Thesis: Aphro-
dite—A Choreographic Essay.

Doris Eva Kloss, Maple Lake
B.S. '43, St. Cloud State Teachers College.
Field of Concentration: Curriculum and In-
struction.

Veronica Mary Krauss, Minneapolis
B.A. '36, University of Wisconsin. Major:
German. Minor: French. Thesis: Rilke's Ver-
sion of Paul Valéry's Charnes: Translation or
Transformation?

Huan-Pao Kuang, Wusin, Kiangsu,
China

B.A. '41, National Central University (China).
Field of Concentration: Education.

Clarence August LaSelle, Detroit
Lakes

B.A. *cum laude* '37, St. John's University.
Field of Concentration: Educational Adminis-
tration.

Raymond James Madsen, Ruthton
B.S. with distinction '49, University of Min-
nesota. Field of Concentration: Educational
Administration.

Raymond Edri Matala, Virginia
B.S. '35, University of Minnesota. Field of
Concentration: Industrial Education.

William Alexander Matson, Jr.,
Eveleth

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

Charles Raymond McIntosh, Minne-
apolis

B.S. '47, College of the Holy Cross. Field of
Concentration: Mathematics.

Mortimer Lewis Naftalin, Minneapolis
B.A. '46, B.S. in L.S. '47, University of Minnesota. Field of Concentration: French.

Edward Olaf Nelson, Ellison Bay,
Wis.
B.A. '49, Luther College. Field of Concentration: Statistics.

Marion John Nelson, Fergus Falls
B.A. '47, University of Minnesota. Field of Concentration: Scandinavian Area Studies.

Edwin George Nicholson, Llanerch,
Pa.
B.A. '49, Swarthmore College. Field of Concentration: Economics.

Alden Conrad Olson, Minneapolis
B.B.A. with distinction '49, University of Minnesota. Field of Concentration: Economics.

Kenneth Victor Olson, Minneapolis
B.A. '42, Augsburg College. Field of Concentration: Educational Psychology.

Gordon Donald Ose, Grand Marais
B.Ed. '36, Bemidji State Teachers College. Field of Concentration: Educational Administration.

Robert Floyd Parker, Winthrop
B.Ed. '38, Winona State Teachers College. Field of Concentration: Educational Administration.

Ragnvald Albert Pedersen, Oslo,
Norway
B.A. '49, Augsburg College. Field of Concentration: Educational Administration.

Linnea Annette Peterson, Little Falls
B.S. '45, University of Minnesota. Field of Concentration: Educational Psychology.

Alden Eugene Schlagel, Howard Lake
B.S. '49, St. Cloud State Teachers College. Field of Concentration: Educational Administration.

Jean Peter Schrankler, St. Paul
B.A. cum laude '49, University of Minnesota. Field of Concentration: International Relations.

George Joseph Sedlacek, Deer River
B.S. '32, University of Minnesota. Field of Concentration: Educational Administration.

Violet Grace Sherwood, Centerville,
Iowa
B.A. '34, Drake University. Field of Concentration: Curriculum and Instruction.

Milton Silver, Bronx, N.Y.
B.S. '49, College of the City of New York. Field of Concentration: English.

Russell Stephen Spindler, St. Paul
B.S. with distinction '49, University of Minnesota. Field of Concentration: History.

Virginia Stromquist, Minneapolis
B.S. '35, University of Minnesota. Field of Concentration: Child Welfare.

Walter Reed Stroud, Minneapolis
B.S. '49, University of Minnesota. Field of Concentration: Political Science.

Holger Richard Stub, St. Paul
B.A. '48, University of Minnesota. Field of Concentration: History.

Harvey Monroe Svedberg, Comfrey
B.A. '46, B.S. '47, Gustavus Adolphus College. Field of Concentration: Curriculum and Instruction.

Nancy Jane Taylor, Minneapolis
B.A. cum laude '48, University of Minnesota. Field of Concentration: Biostatistics.

John Emanuel Tsouderos, Minneapolis
B.A. '48, University of Minnesota. Major: Sociology. Minor: Economics. Thesis: A Study of the Correspondence between Logistic Function and the Growth of the Health Service System with Respect to the Possibilities of Prediction.

Paul Willem Johan VanderVeur,
Bergen-on-Zoom, Netherlands
B.A. '49, Swarthmore College. Field of Concentration: Political Science.

Virgil Edward Vollmer, Minneapolis
B.A. '48, University of Minnesota. Field of Concentration: Political Science.

Bruno Williams Waara, Virginia
B.S. '49, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Alois Theodore Werre, West Union
B.A. '48, St. John's University. Field of Concentration: History.

Hildur Linnea Westlund, Hinckley
B.Ed. '39, Superior State Teachers College.
Field of Concentration: Curriculum and Instruction.

Lillian May Wikman, Minneapolis
B.S. with distinction '48, University of Minnesota. Field of Concentration: History and Philosophy of Education.

Calista May Williams, Wadena
B.S. '43, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Evelyn Lucille Williams, Wadena
B.S. with distinction '39, University of Minnesota. Field of Concentration: Curriculum and Instruction.

David Benjamin Wine, Duluth
B.S. '47, Duluth State Teachers College. Field of Concentration: Educational Psychology.

Harold William Winter, Granite Falls
B.A. '47, University of Minnesota. Field of Concentration: Educational Psychology.

Shin Quon Wong, Honolulu, T.H.
B.A. '49, University of Hawaii. Field of Concentration: Psychology.

Edwin Carroll Wood, Minneapolis
B.S. '41, University of Minnesota. Field of Concentration: Social Work.

Albert Thomas Young, Jr., Alexandria, Va.
B.A. '48, University of Minnesota. Field of Concentration: Child Welfare.

Master of Arts in Public Administration

William Thomas Fahey, St. Paul
B.A. '31, University of Minnesota. Field of Concentration: Public Administration.

Master of Business Administration

José Agustín Carrasco, Panama City, R.P.
B.B.A. '49, University of Panama. Field of Concentration: Business Administration.

Harry Weiniger Kirchheimer, Minneapolis
B.A. '49, Carleton College. Field of Concentration: Business Administration.

Burke Percy Watson, Minneapolis
B.B.A. '49, University of Minnesota. Field of Concentration: Business Administration.

Master of Science

Constance Jean Crowe Adams, Berwick, N.S., Canada
B.S. in H.E. '47, University of Manitoba. Major: Home Economics (Textiles and Clothing). Minor: Education. Thesis: The Relationships among Grab and Strip Strength Values before and after Abrasion.

Arndt Bernhard Bergh, Minneapolis
B.A. '47, St. Olaf College. Field of Concentration: Physics.

Beth Sinclair Berry, Lansing, Mich.
B.A. '45, Rockford College. Field of Concentration: Biostatistics.

John Edwin Andrews, Winnipeg, Man., Canada
B.S. in Agr. '49, University of Manitoba. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Inheritance of Reaction to Halo Blight and to Stem Rust in Certain Oat Crosses.

Oscar Uel Blank, California, Mo.
B.S. with distinction '42, University of Minnesota. Field of Concentration: Agricultural Economics.

Richard Brandner Dunn, Minneapolis
B.M.E. '49, University of Minnesota. Major: Astronomy. Minor: Physics. Thesis: A Quartz Interference Polarizing Monochromator for Solar Research.

Richard Frederick Hadley, Minneapolis

B.A. '48, University of Minnesota. Major: Geology. Minor: Soils. Thesis: Recent Sedimentation and Erosional History of Five Mile Creek, Fremont County, Wyoming.

Paul Aloysius Hammes, Minneapolis
B.S. *cum laude* '43, Loras College. Field of Concentration: Organic Chemistry.

Alvin Edmund Hannah, Winnipeg, Man., Canada

B.S. in Agr. '49, University of Manitoba. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Inheritance of Reaction to Bunt in Crosses of Redman Wheat with Parental Varieties.

Kwan Hsu, Shanghai, China
B.S. '36, University of Shanghai. Field of Concentration: Physics.

Gregory Louis Martin, Duluth
B.Ph. with distinction '48, University of Minnesota. Field of Concentration: Physics.

John Joseph Neumayer, St. Paul
B.Ch. '48, University of Minnesota. Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Photometric Determination of Silver with p-Diethylaminobenzylidenerhodanine.

Albert Norbert Schaffhausen, St. Paul
B.S. '43, College of St. Thomas. Field of Concentration: Organic Chemistry.

Malcolm Chesney Shurtleff, Jr., Bridgewater, Me.

B.S. '43, Rhode Island State College. Major: Plant Pathology. Minor: Agricultural Biochemistry. Thesis: Effect of Rusts on Water Loss in Wheat and Oats.

Madolyn Evelyn Youse, Minneapolis
B.Ch. '47, University of Minnesota. Major: Analytical Chemistry. Minor: Agricultural Biochemistry. Thesis: The Locus of the Initiation Reaction in an Emulsion Polymerization Recipe Containing Ferrous Iron and Benzoyl Peroxide.

Master of Science in Aeronautical Engineering

Paul Miner Leland, Minneapolis
B.Aero.E. '48, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics and Mechanics. Thesis: A Comparison of the Pressure Distribution through Normal Angles of Attack on Four Types of Wing Tip Plan Forms at Mach Number 3.47.

Master of Science in Chemical Engineering

John Royal Ferron, White Bear Lake
B.Ch.E. with distinction '48, University of Minnesota. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: A Comparison of Some Homogeneous Esterification Catalysts.

Alice Hsuch-Feng Lee, Shanghai, China
B.S. '47, Ta Tung University. Field of Concentration: Chemical Engineering.

Arthur Carl Peterson, Minneapolis
B.Ch.E. '47, University of Minnesota. Major: Chemical Engineering. Minor: Bacteriology. Thesis: Heat Transfer from Fine Vertical Wires to Air in Annular Spaces—Low Velocity Data and Correlation.

Robert Elwood Wilson, Decatur, Ill.
B.A. '48, B.S.Ch.E. '49, University of Illinois. Major: Chemical Engineering. Minor: Agricultural Biochemistry. Thesis: Extraction of Dibasic Acids with Pentasol.

Master of Science in Civil Engineering

Robert Alan Johnson, Minneapolis
B.Mech.E. '49, University of Minnesota. Field
of Concentration: Civil Engineering.

Master of Science in Mechanical Engineering

Walter Joseph Deymonaz, Yakima,
Wash.
B.S. in M.E. '49, Gonzaga University. Field
of Concentration: Mechanical Engineering.

Master of Science in Otolaryngology and Rhinology

Walter Emil Heck, Syracuse, N.Y.
B.A. '38, M.D. '41, Syracuse University. Major:
Otolaryngology and Rhinology. Minor: Sur-
gical Pathology. Thesis: Nasal Polyps.

Graham Gable Smith, Minneapolis
B.S. '36, M.D. '39, University of Minnesota.
Major: Otolaryngology and Rhinology. Minor:
Anatomy. Thesis: Benign Tumors of the Vocal
Cords.

Master of Science in Pathology

Edwin Curtis Segard, St. Paul
B.Sc. in Med. '42, M.D. '43, University of
Nebraska. Major: Pathology. Minor: Anatomy.
Thesis: Cytology Smears as an Adjunct in the
Diagnosis of Malignant Neoplasms, with Em-
phasis on Carcinoma of the Cervix Uteri.

Master of Science in Pediatrics

Elmer Leo Crehan, Roxbury, Mass.
B.A. '42, Dartmouth College; M.D. '43,
Boston University. Major: Pediatrics. Minor:
Physiology. Thesis: A Study of the Arterial
Oxygen Saturation in Normal Newborn In-
fants by Means of the Modified Photo-electric
Oximeter.

Master of Science in Surgery

Gerald Fisk Dederick, Jr., Oradell,
N.J.
B.S. '38, Roanoke College; M.D. '42, Medical
College of Virginia. Major: Surgery. Minor:
Surgical Pathology. Thesis: The Venous Sys-
tem in Acute Arterial Occlusion of the Lower
Extremity.

Master of Social Work

Philip Louis Gordon, Minneapolis
B.S. '41, University of Minnesota. Field of Concentration: Social Work.

Alice Delvina Quist, Minneapolis
B.A. '48, University of Minnesota. Field of Concentration: Social Work.

Einar Enival Rokke, Newfolden
B.A. '48, Augsburg College. Field of Concentration: Social Work.

George Clyde Welton, Champlin
B.A. *magna cum laude* '48, Hamline University. Field of Concentration: Social Work.

Doctor of Philosophy

James Lewis Bleasdale, Meadville, Pa.
B.S. '44, Allegheny College. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Reactions of Diazocompounds with Nitroolefins. Major Adviser: Prof. W. E. Parham.

Lauren Louis Brink, San Francisco, Calif.

B.S. '41, M.A. '45, University of Minnesota. Major: Speech. Minor: Education. Thesis: An Analysis of the Discussion Techniques of Junior and Senior High School Pupils. Major Adviser: Prof. Howard Gilkinson.

Burton MacKay Craig, Naicam, Sask., Canada

B.Sc.A. with great distinction '44, M.Sc. '46, University of Saskatchewan. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Relation between Glyceride Composition and Some Physical Properties of Synthetic Fats. Major Adviser: Prof. W. F. Geddes.

William Stanley Hayes Crawford, Sackville, N.B., Canada

B.A. *magna cum laude* '39, Mount Allison University; M.A. '42, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: The Evaluation of a Certain Class of Wiener Integrals. Major Adviser: Prof. R. H. Cameron.

Reino Samuel Freeman, Virginia

B.S. '42, Duluth State Teachers College; M.A. '48, University of Minnesota. Major: Zoology. Minor: Entomology. Thesis: The Biology and Life History of *Monoecocestus* *Beddard, 1914* (Cestoda: Anoplocephalidae) from the Porcupine, with Notes on Minnesota Oribatoidea (Acarina). Major Adviser: Prof. F. G. Wallace.

Lawrence Elmer Giles, Clarkston, Wash.

B.A. '36, State College of Washington; M.A. '48, University of Minnesota. Major: Education. Minor: Social Science. Thesis: The Teaching of State History in the Public Schools of the United States. Major Adviser: Prof. E. B. Wesley.

Earl Raymond Hilton, Sundance, Wyo.

B.A. with honor '38, University of Wyoming; Ph.M. '39, University of Wisconsin. Major: English. Minor: History. Thesis: The Purpose and Method of Sherwood Anderson. Major Adviser: Prof. Theodore Homberger.

Harvey Harrison Hoyt, Stillwater

D.V.M. '42, Iowa State College. Major: Veterinary Medicine. Minor: Pathology. Thesis: The Propagation and Concentrations of the Causative Agent of Infectious Sinusitis of the Turkey in the Chick Embryo. Major Adviser: Prof. B. S. Pomeroy.

John Alexander Johnson, St. Paul

B.S. '46, University of Minnesota. Major: Physiology. Minor: Physical Chemistry. Thesis: Studies of Water Transport Employing Isotopes. Major Adviser: Prof. Nathan Lifson.

Toimi Enoch Kyllonen, Columbia, Mo.

B.A. *magna cum laude* '35, M.A. '36, Bucknell University. Major: Sociology. Minor: Psychology. Thesis: The Bad Credit-Risk as a Phase of Personal Disorganization. Major Adviser: Prof. G. B. Vold.

Berthus Boston McInteer, Jr., Lexington, Ky.

B.S. '41, University of Kentucky; M.S. '49, University of Minnesota. Major: Physics. Minor: Physical Chemistry. Thesis: The Use of a Third Component in Isotope Separation by Thermal Diffusion. Major Adviser: Prof. A. O. C. Nier.

Ivan Keith Miller, Minneapolis

B.S. with honor '43, South Dakota State College. Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: The Chemistry of Persulfate. Major Adviser: Prof. I. M. Kolthoff.

Floyd Lester Ramp, Newman, Ill.

B.S. '44, University of Illinois. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: The Preparation of Intermediates for a Proposed Biotin Syntheses. Major Adviser: Prof. W. E. Parham.

Thomas Reaser Roberts, Minneapolis

B.A. *cum laude* '43, Harvard College; M.A. '49, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: Determination of Secondary Atomic Mass Standards. Major Adviser: Prof. A. O. C. Nier.

Edgar Robert Rogier, Salem, Ill.

B.S. with highest honors '44, University of Illinois. Major: Organic Chemistry. Minor: Physiological Chemistry. Thesis: Studies in the Cyclopropane Series. IV. Cyclopropyl Nitrocyclopropyl Ketones and Bicyclopropyl Hydrocarbons. Major Adviser: Prof. L. I. Smith.

Edward James Schuster, St. Paul

B.A. '31, University of Michigan. Major: Spanish. Minor: German. Thesis: "Yo, el Rey"—A Study of the Development of Monarchical Absolutism in the Spanish Golden Age, and Its Influence on the Literature of the Period. Major Adviser: Prof. R. L. Crismer.

Jagdish Narain Sharma, Kanpur, India

B.Sc. (Ag.) '37, Kanpur Agricultural College; M.Sc. '39, Agra College. Major: Agronomy. Minor: Soils. Thesis: The Response of Flax to Applications of 2,4-Dichlorophenoxyacetic Acid Made at Various Stages of Development. Major Adviser: Prof. R. S. Dunham.

Jack Shaw, Regina, Sask., Canada

B.A. with honors '34, University of Saskatchewan; B.Ed. '39, M.Ed. '42, University of Manitoba. Major: Educational Psychology. Minor: Psychology. Thesis: The Function of the Interview in Determining Fitness for Teacher-Training. Major Adviser: Prof. C. G. Wrenn.

Helen Henrietta Sornson, Cushing, Wis.

B.Ed. '42, Superior State Teachers College; M.A. '46, University of Minnesota. Major: Education. Minor: Curriculum and Instruction. Thesis: A Longitudinal Study of the Relationship between Various Child Behavior Ratings and Success in Primary Reading. Major Adviser: Prof. G. L. Bond.

Daniel Norman Wiener, St. Paul

B.A. '41, M.A. '42, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: The Relation of Personality Characteristics to Selected Disabilities. Major Adviser: Prof. C. G. Wrenn.

James Herbert Zumberge, Minneapolis

B.A. '46, University of Minnesota. Major: Geology. Minor: Soils. Thesis: The Origin and Classification of Lakes of Minnesota. Major Adviser: Prof. H. E. Wright, Jr.

CAPS AND GOWNS

AN EXPLANATION

In the medieval city, clothing not unlike that worn by those participating in this commencement was common. The modern academic costume has evolved from the dress of the medieval guilds and the early religious orders.

Today, everyone with a college or university degree may wear the black academic gown. Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. At the University of Minnesota, the lining of the hood has a maroon chevron on an old gold ground to represent the University colors. A University faculty member who holds a degree from another college or university wears the colors of his own alma mater.

Distinctions between sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a Bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a Master's degree. A round, open sleeve marks a Doctor's degree.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer. It may be white for Arts and Letters, gold-yellow for Science, maize for Agriculture, Forestry, Home Economics, and Veterinary Medicine, or light blue for Education. Orange denotes Technology; dark blue, Philosophy; purple, Law; green, Medicine; and pink, Music. Public Health is shown by salmon pink edging, Dentistry by lilac, Pharmacy by olive, and Commerce and Accounting by drab.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve. The trimming may be either black or may match the color of the hood edging.

Caps, or mortarboards, too, have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidate is an honor student.

For the Master's and Doctor's degree, the tassels are always black, but candidates for the Bachelor's degree at this commencement wear tassels which indicate their school or college by color, as follows:

(In the order of their appearance on the platform)

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, Home Economics, and Veterinary Medicine.....	maize
College of Education.....	light blue
School of Business Administration.....	drab
Law School	purple
College of Medical Sciences.....	green
Graduate School.....	black

THE
UNIVERSITY OF MINNESOTA

Announces Its

August Centennial Commencement
1950

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, AUGUST 24

AT EIGHT O'CLOCK



1851

• FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING •
DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR TRUTH
DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF THE STATE

1951



University of Minnesota

THE BOARD OF REGENTS

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The Honorable J. S. Jones, St. Paul

The Honorable George W. Lawson, St. Paul

The Honorable Albert J. Lobb, Rochester

The Honorable E. E. Novak, New Prague

The Honorable A. J. Olson, Renville

The Honorable Herman F. Skyberg, Fisher

The Honorable Sheldon V. Wood, Minneapolis

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota is currently celebrating its one hundredth birthday. While nearing this milestone, as from its very beginning, the University is dedicated to the task of training the youth of today, the citizens of tomorrow. How well it has succeeded is indicated by the number of doctors, lawyers, engineers, social workers, journalists, dentists, farmers, businessmen, and community and civic leaders in all fields—good citizens all—who have gone from its several campuses to actively participate in the upgrading of the welfare of the citizens of our state. During the period of its existence, the University has awarded 101,885 degrees to its students who have completed the rigorous training demanded by the complexities and specialization of modern society.

In addition to the enormous task of giving collegiate instruction to some twenty-two thousand students on its Minneapolis, St. Paul, and Duluth campuses, the University offers, through its School of Agriculture, its General Extension Division, and its short courses, 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 demonstration agents, and recreation and health consultants give effective aid and assistance to citizens of the state in their very homes.

But the University of Minnesota, like all great universities, has expanded far beyond its early teaching and training programs. In its diverse research laboratories on its three campuses, at the several agricultural experiment stations, at the Rosemount Research Center, and at the University Hospitals, its scientists at any one moment are working on countless research experiments of vital interest to the future health and welfare of all of us. These projects deal with such matters as cancer, poliomyelitis, taxation, low-grade iron ore, cheese making, teacher training, municipal government, nuclear fission, new varieties and strains of grains and fruits, supersonics and transonics, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the Minneapolis Symphony, the University Artists Course, radio station KUOM, the University Theatre, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Concert and Lecture Service and the School Assembly 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 because it is the second largest state university in the nation, but because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in their University is a dynamic, living thing and expresses itself in many ways. Contributions from them now make it possible for the great Mayo Memorial building and for the new Variety Club Heart Hospital to be erected over the coming months. Through the American Legion and auxiliary posts all over the state, thousands of friends have made generous donations to provide an endowed research professorship in heart diseases. Gifts to the Greater University Fund, each appropriately called "A Share in Greatness," now being made especially by alumni, are worthy of special mention.

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 University Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

Order of Events

THE ASSEMBLING OF THE AUDIENCE: As candidates for degrees at this evening's commencement and their friends and relatives reach the Minneapolis Campus of the University of Minnesota from 7:00 to 7:30 p.m., they will hear the Flemish bells being played from Northrop Memorial Auditorium, Miss Peggy D. Smith, B.S. '49, carillonneur. Admission to the August commencement exercises in the Auditorium is by guest card only. Guests will be seated as they arrive in the Auditorium and will remain seated until the colors are presented.

ORGAN RECITAL: Beginning at 7:30 p.m., Mr. William Mitten, Mus.M. '50, Yale University, Organist, St. Mark's Cathedral, Minneapolis, will play:

Trumpet Voluntary	- - - - -	Stanley
Triple Fugue in E Flat Major	- - - - -	Bach
Folk Tune	- - - - -	Whitlock
Water Music	- - - - -	Handel

Allegro Vivace—Air—Hornpipe

PROCESSIONAL: Paean - - - - - Whitlock

PROCESSIONAL: As candidates for degrees enter the Auditorium at 8:00 p.m. the curtain will be drawn. Seated on the platform, left to right, are: Mr. Keith McFarland, Assistant to the Dean of the College of Agriculture, Forestry, Home Economics, and Veterinary Medicine, Marshal; Dr. Carl Nelson, Professor of Accounting, Marshal; The Reverend Wilbur Korfhage, Director, Wesley Foundation, and Member, Minnesota Council of Religion; Captain Cornelius M. Sullivan, USN, Professor of Naval Science; Dr. Henry Schmitz, Dean of the College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dr. Richard K. Gaumnitz, Assistant Dean of the School of Business Administration; Dr. Taito O. Soine, Associate Professor of Pharmaceutical Chemistry, College of Pharmacy; Dr. John Darley, Assistant Dean of the Graduate School; Mr. Thomas A. H. Teeter, Dean of the Summer Session; Mr. True E. Pettengill, Recorder; Dr. T. Raymond McConnell, Dean of the College of Science, Literature, and the Arts; Dr. James Lewis Morrill, President of the University of Minnesota; The Honorable Fred B. Snyder, First Vice President and Chairman of the Board of Regents; The Honorable George W. Lawson, Member of the Board of Regents; Mr. William T. Middlebrook, Vice President, Business Administration; Dr. Alfred L. Vaughan, Assistant Dean of the General College; Dr. E. W. Johnson, Assistant Dean of the Institute of Technology; Dr. Marcia Edwards, Assistant Dean of the College of Education; Mr. Maynard E. Pirsig, Dean of the Law School; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Mr. Roy A. Schuessler, Assistant Professor of Music; Dr. Edwin Cieslak, Associate Professor of Biological Science, Marshal.

PRESENTATION OF COLORS: As the color guard, made up of University Army ROTC and Air ROTC Cadets, and Naval ROTC Midshipmen, enters the Auditorium, the audience will rise.

THE NATIONAL ANTHEM (first stanza only): The entire audience and Mr. Roy A. Schuessler, M.A., Assistant Professor of Music, soloist.

Order of Events

INVOCATION: The Reverend Wilbur Korfhage, B.S., Director, Wesley Foundation, and Member, Minnesota Council of Religion.

SPEAKING FOR THE UNIVERSITY: President James Lewis Morrill, LL.D., President of the University of Minnesota.

COMMENCEMENT ADDRESS: Dr. T. Raymond McConnell, Ph.D., Dean of the College of Science, Literature, and the Arts.

CONFERRING OF COMMISSION: Dean Thomas A. H. Teeter, Dean of the Summer Session, will introduce Captain Cornelius M. Sullivan, USN, Professor of Naval Science, who will present his candidate for a commission in the Naval branch of the armed services, and administer the oath of office. The commission will be presented by President James Lewis Morrill.

CONFERRING OF DEGREES: Dean Thomas A. H. Teeter, B.S., Summer Session, will introduce the several deans or their representatives who will present the candidates for degrees in their respective colleges. These, in order of their introduction, are: Assistant Dean Alfred L. Vaughan, Ph.D., General College; Dean T. Raymond McConnell, Ph.D., College of Science, Literature, and the Arts and University College; Assistant Dean E. W. Johnson, Ph.D., Institute of Technology; Dean Henry Schmitz, Ph.D., College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Assistant Dean Marcia Edwards, Ph.D., College of Education; Assistant Dean Richard K. Gaumnitz, Ph.D., School of Business Administration; Dean Maynard E. Pirsig, LL.B., Law School; Associate Professor Taito O. Soine, Ph.D., College of Pharmacy; Dean Harold S. Diehl, M.D., College of Medical Sciences; Assistant Dean John Darley, Ph.D., Graduate School. All degrees will be conferred by President James Lewis Morrill. Immediately afterwards certificates and diplomas will be presented by each dean to the graduates of his college.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Assistant Dean John Darley to President James Lewis Morrill, who will confer the degrees.

"HAIL! MINNESOTA," the University's alma mater song: The audience and Mr. Roy A. 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.

RECESSIONAL: Mr. William Mitten, Organist

Poem Heroique - - - - - Dupré

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

Candidate for Commission

Subject to the completion of all curriculum requirements at the close of the second term of the Summer Session, the commission will be presented as indicated to the student listed below and upon such others as may meet the requirements for Reserve Officers in the Armed Services.

DEPARTMENT OF NAVAL SCIENCE

Ensign, Line, USN

John Rodger Klippstein, Alexandria

Candidates for Graduation

Subject to the completion of all curriculum requirements at the close 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

Howard Duane Ahlborn, Minneapolis

Elizabeth Mary Anderson, Minneapolis

Clyde Pemberton Carlson, Sioux Falls, S.D.

Donald Arthur Dahl, Minneapolis

Patrick Kenneth Eckert, Minneapolis

John P. Geduldig, Jr., St. Paul

Nancy Clare Greenwood, Minneapolis

David Franklin Griggs, Minneapolis

Willie Frank Harper, Tuskegee

Institute, Ala.

Ruth Marie Manning, St. Paul

Jerry Arthur McCormack, St. Paul

Jon Stanley Rohe, Minneapolis

James Joseph Shannon, Grand Rapids

Betty Lou Stein, St. Paul

Donald Steven Szutz, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Ralph C. Hurlbutt, Minneapolis

Frank George Loesser, Manchester, England

Richard John McCauley, Minneapolis

Norman Frank Munger, Minneapolis

Charles Edward Roberts, Minneapolis

Bachelor of Arts

- Betty Joan Alderman, Brainerd
Ruth Altmann, Minneapolis, *SUMMA CUM LAUDE*
Harold Clarence Anderson, Minneapolis
Edward Charles Baker, A.A., Minneapolis
Elliot Milton Baron, Minneapolis
Warren Eugene Barron, St. Paul
Harold Bartko, A.A., Dutchneck, N.J.
Warren Michael Batell, Tampa, Fla.,
CUM LAUDE
Henry Albert Bates, Jr., Minneapolis
Sidney Bearman, Minneapolis
David Allen Bell, St. Paul
Lewis Eugene Bicek, Tracy
Robert Charles Biersborn, State Center, Iowa
Robert Norman Blanchfield, Devils Lake, N.D.
Anna Frances Blustein, Minneapolis
Donald Norman Borgen, Excelsior
Ellen Elizabeth Buha, Los Angeles, Calif., *MAGNA CUM LAUDE*
Bernard Abraham Cannon, Eveleth
Edward Angelo Casoria, Minneapolis
Harold Christianson, Jr., Minneapolis
Walton Elzo Clevenger, Minneapolis
Kenneth Justin Cohen, Duluth
John Frederick Cooper, Sauk Centre
Doris Eileen Cottor, St. Paul
Charles Arthur Crocker, Minneapolis
Benjamin Wheeler Curtis, Marshall
Raymond Francis Dahlberg, A.A., Minneapolis
Jack Charles Dieringer, Minneapolis
Joan Lucille Dolan, St. Paul
Gertrude Driscoll, Fairmont
Muriel Dudovitz, St. Paul
Harvey Alfred Erickson, St. Paul
Robert Leonard Erickson, Minneapolis
Willard Robbins Everett, Minneapolis
James Joseph Fiset, Minneapolis
Robert Delmont Frayseth, Willmar
Stanley Bertram Gabay, Minneapolis
James Emery Gemlo, Minneapolis
Anthony Joseph George, New York, N.Y.
Harry Eldon Gerrish, Jr., Minneapolis
James Leeland Giere, Minneapolis
George Martin Glorvigen, Grand Rapids
Edgar Laurence Gollop, St. Paul
John Sherman Gowan, Jr., Duluth
Wayne Lee Grosvenor, Minneapolis
Thomas John Halvorson, Minneapolis
Glenn Douglas Hardman, Minneapolis
Thomas Patrick Heffernan, St. Paul
Lyman Roderick Hemstreet, Minneapolis
Barbara Jean Hendrickson, Hibbing
Lois Ann Henze, Delano, *MAGNA CUM LAUDE*
Josephine Hohman, Minneapolis
Dale Bronstad Holland, Minneapolis
Matthew V. Howard, Minneapolis
Virginia Huck, Minneapolis, *MAGNA CUM LAUDE*
John M. Jack, Jr., Vandalia, Ill.
Rodger Eldon Jensen, Minneapolis
James Aaron Johnson, Minneapolis
James William Johnson, Minneapolis
Leland Matthew Johnson, Upsala, *CUM LAUDE*
Clayton Vernon Kallander, St. Paul
Ruth Elizabeth Keenan, Minneapolis
William James Keenan, Minneapolis
John Rodger Klippstein, Alexandria
Gertrude Ann Knutson, Moorhead
Merlyn W. Koecher, St. Paul
Raymond Charles Krause, Wadena
Manfred Lothar Kruber, Berlin, Germany
William Hudson Lang, Jr., St. Paul, *MAGNA CUM LAUDE*
Gail M. Larson, Moorhead
Richard John Laufle, A.A., Austin
Charles Lorenz Lindholm, Kenyon
Walter Leonard Lutz, Jr., Minneapolis
Thomas Robert Mason, Deephaven
Eugene Gordon McLane, Ortonville
Gene Roland Medinnus, Austin
John Byron Michaud, Litchfield
Alan Stanley Miller, Minneapolis
Raymond Klein Miller, Winnebago
Norma Jean Morstead, Hibbing

Donald Thomas Newman, Clear Lake, Iowa	William Carl Roman, Skokie, Ill.
Joe Ohno, Seattle, Wash.	Janet May Rosekrans, Wayzata
Eugene Edward Oja, Virginia, CUM LAUDE	Albert Henry Scholten, Brook Park
Kermit Arthur O'Neil, Aitkin, CUM LAUDE	Jesse Marshall Shapiro, Minneapolis
Robert Lincoln Oppold, Fort Dodge, Iowa, MAGNA CUM LAUDE	Francis J. Sheehan, St. Paul
Gratia Claire Howard Ouellette, St. Paul	Omar Monroe Shonkwiler, A.A., Hackensack
David Lee Paul, A.A., Austin	Robert Arnoldean Spitzack, Faribault
John Deane Pearson, Ogilvie	Bird Steele, Duluth, MAGNA CUM LAUDE
Margene Marie Pekas, Sleepy Eye	Ken Tanaka, Minneapolis
Russell Vernon Peterson, Cloquet	Marvin Wallace Truhn, St. Paul
Roland Bernard Phillips, Wentworth, S.D.	Estelle Barbara Bancroft Uppgren, Stillwater, MAGNA CUM LAUDE
Seth Robert Phillips, Duluth	Robert William Walther, Gibbon
Philip Julian Ramstad, St. Paul	Jean Marmion West, St. Paul
Walter A. Raschick II, St. Paul	John Michael Wheeler, Minneapolis
Edgar Harlan Refsell, Minneapolis	Philip Sidney Whitaker, Litchfield
James Burton Rehnberg, Bridgeport, Conn.	Warren Eugene Wick, Sturgis, Ky.
Lionel F. Reid, Minneapolis	Dean Marlin Williams, Rochester
Rosemary Rollins, Minneapolis	Eugene William Wilson, Minneapolis
	John William Winkelman, Foley
	Donald George Yanacek, Minneapolis
	Solomon Jos. Zak, Minneapolis

Bachelor of Science

Barbara Anne Wallen, Minneapolis

Bachelor of Science in Library Science

Marcella Marie Bertrand, B.A., Sleepy Eye	Richard John Laufle, A.A., Austin
George Benedict DeGuisseppi, B.A., Nashwauk	Eugene Gordon McLane, Ortonville
Carolyn Granrud, B.A., Minneapolis	Harriett Albertson Vaux, B.A., Minne- apolis

UNIVERSITY COLLEGE

Bachelor of Arts

Esther Bialick, Minneapolis	BettyJane Gammel, St. Paul
James MacRae Brunton, B.Ch.E., St. Paul	William Norrby Wallace, Duluth

Bachelor of Science

Fred Jerry Applebaum, A.L.A., St. Paul	Howard Leroy Keller, Winona
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INSTITUTE OF TECHNOLOGY

Bachelor of Science

Clark Eugene Johnson, Jr., Minneapolis

Bachelor of Aeronautical Engineering

Francis Emanuel Ashford, Minneapolis

Fredrick George Devens, St. James

Dwight Willis Graham, Minneapolis

William Thomas Kehrer, Minneapolis

Willis Ray Lambert, Frankfort, S.D.

Glendon Meyers, Minneapolis

Richard Leo Ribe, St. Paul, WITH
DISTINCTION

Douglas Ellsworth Strohl, Hibbing

Robert J. Voth, St. Cloud

Albert Ziton, St. Paul, WITH DIS-
TINCTION

Bachelor of Architecture

Edward Frank Baker, Minneapolis,
WITH DISTINCTION

Richard Guy Elken, B.A., Mayville,
N.D.

Paul Charles Jacoby, Milwaukee, Wis.

Roger Truman Johnson, Milaca

Richard Allen Kiebel, Monticello

George Gerald Mastny, Remer

George Leslie Root, Minneapolis

Robert Adair Wilson, Minneapolis,
WITH DISTINCTION

Bachelor of Chemical Engineering

David William Hintzen, Carlos

David Lee Pearson, Lovell, Wyo.,

WITH DISTINCTION

William August Weiss, Minneapolis

Bachelor of Civil Engineering

Donald Lloyd Asmus, Gaylord

Lowell Henry Benson, Mound

Edward Braddock, Jr., Minneapolis

Douglas Bostrom Dow, Minneapolis

Warren Harry Jones, Little Falls

Paul Engelbert Kopietz, Excelsior

Roy Joseph Larson, Benson

Robert Burton Marquardt, St. Paul

Bernard Milstein, Minneapolis

Melvin Lowell Nelson, Virginia

Robert Fred Nelson, Minneapolis

Joseph Pastika, Cloquet

Walter Frank Peterson, Mound

Paul John Rockwell, Brownsdale

Leonard William Samuelson, Jr.,
Minneapolis

Eugene Michael Simpkins, Prior Lake

Allan L. Strane, St. Paul

Gerald Richard Tweeton, Minneapolis

Bachelor of Electrical Engineering

Albert George Aschenbeck, Jr.,
Minneapolis

Donald Luverne Backlund, St. Paul

Lloyd Henry Bergmann, Hampton,
Iowa

Russel Eugene Blakely, St. Paul

Malcolm C. Carlson, Minneapolis
Thomas Eugene Clemens, Hibbing,

WITH DISTINCTION

Omund Richard Dahle, Aitkin
Burton Frank Danielson, Minneapolis
William Gordon Doig, Minneapolis
Mark Rath Dusbabek, Grand Rapids
Richard James Evans, St. Paul, WITH

HIGH DISTINCTION

Sheldon Flom, St. Paul
David Charles Flynn, St. Paul
Ralph Vernon Fondell, A.A., Dawson,
WITH DISTINCTION

Paul Donald Franta, Mahnomen,
WITH DISTINCTION

Frank Toshio Fukami, Arlington
Heights, Ill.

Raymond Joseph Gebhardt, Mankato
Ralph Eric Hanson, White Bear Lake
Ray Ralph Hartley, Minneapolis
Frank Jeffrey, Minneapolis
Richard Arthur Joern, Nicollet
George Hjalmer Johnson, Minneapolis
John Leslie Johnson, Kerkhoven,

WITH HIGH DISTINCTION

Milton James Johnson, Fergus Falls
Richard Louis Karpen, Hastings
Robert Clayton Keller, St. Paul
Sidney Marvin Kollos, Janesville
Howard Glen Larson, Minneapolis

John David Lonergan, Hudson, Wis.
Joseph Bruno Marcella, Mountain
Iron

James Willard McShannock, St. Paul
Nobuo William Morishige, Minne-
apolis

Warren Louis Nees, Minneapolis
Newton Paul Nelson, River Falls,
Wis., WITH HIGH DISTINCTION

John Eric Norland, Jr., Duluth
Richard Reynold Olin, Duluth
Edward Hemmingway Ostberg,
Minneapolis

Robert Louis Pearson, Duluth
Charles Joseph Pence, St. Paul
Clarence Thomas Pesek, St. Paul
John Edward Puhek, Hibbing
Alexius Gerald Schnorr, St. Paul
Hugh Maurice Schultz, St. Paul
James Huntly Skare, Proctor
Arthur John Smith, Jr., Minneapolis
Francis William Soderholm, Minne-
apolis

William John Soshea, Crosby
Lester Keith Tate, Austin
John H. Tenbrock, Ogema
Robert Emerson Temple, South St.
Paul

Gayle Dennis Testin, Minneapolis
Robert Lowell Westrum, Albert Lea

Bachelor of Mechanical Engineering

Richard Reuben Adamson, Superior,
Wis.

Donald Emanuel Anderson, Duluth
John Evald Anderson, St. Paul
Isik Barim, Canakkale, Turkey
Theodore Christian Lund Betker,
Wayzata

Gerald Grinstead Boruski, Minne-
apolis

Thomas Richard Brossard, Minne-
apolis

Thomas William Burnes, St. Louis
Park

Luverne Leland Carlsted, Dassel
Thomas Charles Connolly, Danvers
Namik Demirkol, Istanbul, Turkey
Edward Wm. Deziel, St. Paul

Gerald George Dongoske, Excelsior
Robert Edward Erickson, Minneapolis
James Merle Ferry, Minneapolis
Ralph Wallace Hanson, Minneapolis
Harrison Leroy Hatch, Minneapolis
Robert Bruce Heald, Minneapolis
Ray Albert Hermanson, Duluth
Eugene Morgan Hoganson, Minne-
apolis

Richard Clayton Kerr, Duluth
Joseph John Kertesz, Minneapolis
Edward Louis Kowalski, Kettle River
Fred Wright McNelly, Anoka
Dean Stuart Monitor, Glen Lake
David Daniel Naas, Minneapolis
Thomas Joseph Ryan, Jr., Minne-
apolis

Paul David Schulz, Minneapolis
Roland Clement Shimel, Mound
Arnold Magner Skjelbostad, St. Louis
Park
Donald Stephenson, Spring Valley
James Russell Sveiven, Minneapolis
Seigi Tanaka, Minneapolis, WITH
DISTINCTION
Lester Omer Tangen, Fosston

Michael John Tatone, Mason City,
Iowa
James Beach Thompson, Houston,
Texas
Waino Victor Waisanen, Cloquet
Raymond Charles Williams, Hibbing
Melvin Akira Yoshimori, B.E.E., New
York, N.Y., WITH DISTINCTION
Lloyd Ivan Zieske, Courtland

Bachelor of Mining Engineering

Robert Lloyd Sundeen, Kerkhoven

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Leon Morris Chamberlain, Hastings,
Agriculture
Jean Chambers, Fairmont, Home
Economics, WITH DISTINCTION
Thomas James Coderre, Jackson,
Agriculture
John Wesley Hamilton, St. Cloud,
Forestry, WITH DISTINCTION
Marlin Edward Hudson, Sheldon,
Mo., Agriculture

Lois Isabelle Maxwell, Luverne,
Home Economics
Delores Lamae Mielke, Comfrey,
Home Economics
Donald Siffert Petman, Cook, Agri-
culture
Charles Comstock Prindle, Minne-
apolis, Agriculture

COLLEGE OF EDUCATION

Bachelor of Science

Mary Augusta Alden, Minnetonka
Beach
Maude Louise Anderson, Rockford,
Ill., WITH DISTINCTION
Paul Victor Anderson, Minneapolis
Ruby Swanhild Anderson, Minne-
apolis, WITH HIGH DISTINCTION
Mayme Clarissa Austenson, Minne-
apolis
Barbara Wilson Badger, B.A., Minne-
apolis
Betty Jeanne Barta, Minneapolis
William Leonard Becker, St. Paul
Agnes Orpha Benson, Montevideo

Jack Bartley Boman, Minneapolis,
WITH DISTINCTION
Hallie Mae Brickner, Minneapolis
Amy Eleanore Embertson Cordes,
Parkers Prairie, WITH DISTINCTION
Gerald Richard Dahl, Minneapolis
Jewell Derryberry, Denver, Colo.,
WITH DISTINCTION*
Dolores Arlene Docken, St. Paul
Geraldine L. Douglas, Minneapolis
Allene Vartia Douma, A.A., Wash-
ington, D.C.
Josephine Virginia Engel, Virginia,
WITH DISTINCTION

* Nursing Education Curriculum.

Iva Jean Fleming, Stillwater
 Dorothy Ann Fredrickson, Litchville,
 N.D., WITH DISTINCTION
 Reginald A. Gilbertsen, B.S., Grand
 Marais
 Robert Dean Gilbertson, Big Fork
 Virginia Ann Hart, Chandler
 Adrienne Mae Iversen, Alexandria
 Arthur Leonard Jackson, Minneapolis
 Ralph L. Jackson, Caledonia
 Niels Wayne Jensen, Jackson
 Elaine Adele Jewson, Minneapolis
 Veryl Alfred Johnson, Minneapolis
 Kathryn Alcott Kempf, A.A., Wor-
 land, Wyo.
 Craig Stuart Kirkpatrick, Minneapolis
 Patricia Ann Klasen, Brainerd
 Donald Andrew Lambert, A.A.,
 Minneapolis
 Camille Boggess Lee, R.N., B.A.,
 Waco, Texas*
 Elmer Regnander Lundgren, Minne-
 apolis
 Douglas Lyle, B.A., Minneapolis
 Edgar Raymond Magnuson, Minne-
 apolis
 Lillian S. Mattson, Eveleth
 Robert William McWaide, Minne-
 apolis
 Anna B. Borg Meade, Melby
 Howard Edward Meyers, Minneapolis
 Donald Schubert Michels, Nashwauk,
 WITH DISTINCTION
 Glenn Fred Mueller, Truman
 Gretchen C. Murphy, Hopkins
 Harriet Anna Murray, Minneapolis
 John Novaczyk, St. Paul
 Agnes Wahlstrom Nyvold, Minne-
 apolis
 Lloyd Thorvald Ohme, Minneapolis
 Hollis Cedric Olson, A.A., Minne-
 apolis
 Lawrence Andrew Pearson, Grove
 City
 Shirley Ann Perlmutter, B.A., Denver,
 Colo.
 Donald R. Poeschl, St. Paul
 Charles Singleton Poston, Jr., A.A.,
 Minneapolis
 Ernestine Marie Rathbun, B.B.A.,
 Minneapolis
 Phyllis Marguerite Robin, Minneapolis
 John Philip Robinson, St. Paul
 Carol Rosemary Rowberg, Benson
 Leland Ray Schenck, Breckenridge
 Mabel Esther Schleif, Buffalo, WITH
 DISTINCTION
 Warren Rudolph Schulz, Minneapolis
 Oliver Carlton Sheldon, Rake, Iowa
 Charles Harvey Skinner, Norwich,
 N.Y., WITH DISTINCTION*
 Alice Louise Skooglun, St. Paul
 Evelyn Constance Skooglun, St. Paul,
 WITH DISTINCTION*
 Thena Sorkil, Zumbrota, WITH DIS-
 TINATION
 Vivian Moravec Stedry, St. Paul
 Adrian Dallas Thompson, Robbinsdale
 Valborg Elaine Tollefsrud, G.N.,
 Minneapolis*
 Lillian Lagerstedt Twetten, Stillwater

Bachelor of Science in Library Science

Marguerite Enid Reynolds, B.A., M.A., B.E., St. Paul

Master of Education

Donald Charles Adamson, B.S.,
 Montevideo
 Alvin Z. Bigelow, B.S., Browns
 Valley
 Ray Ralph Butler, B.A., Minneapolis
 Ethel Madill Christensen, B.S.,
 Hitterdal
 Geraldine Blanche Frise, B.S., Minne-
 apolis
 Chester Robert Hoberg, B.A.,
 Willmar
 Harold John Holmes, B.S., Floodwood
 Maurice Louis Horski, B.S., Welcome

* Nursing Education Curriculum.

Ervin August Huether, B.A., Wessington Springs, S.D.
Floyd Roman Jaszewski, Minneapolis
Lois Ethel Johnson, B.A., Duluth
Warren Thomas Johnson, B.A., St. Paul
LeRoy Edmond Maas, B.S., Albert Lea
Clyde Frederic McDonald, B.A., St. Peter

Howard William Merriman, B.S., Hopkins
Griffith Charles Radde O'Dell, B.A., Minneapolis
Paul Sokol, B.A., Minneapolis
Gretchen Adeline Stieler, B.S., Albert Lea
Glen Alwin Tews, B.S., Waseca

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Alpha Ann Anderson, Kimball, Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Edwin Herman Antony, Minneapolis
Alvin Jerome Bach, St. Cloud
John Henschel Becklin, Milaca
Frank Anthony Bonello, Minneapolis
James Austin Boulay, Minneapolis
William Pottinger Cameron, Jr., Waterville, WITH DISTINCTION
E. A. Wallace Carlson, San Jose, Calif.
John Maurice Carlson, Sioux City, Iowa
P. Donald Carson, Jr., Minneapolis
Thomas Eugene Clemens, Hibbing, WITH DISTINCTION
Fay Vernon Colberg, B.Ag.E., Duluth
Clarence Myron Davis, Hopkins
Trevor Norman Davis, Minneapolis
Duncan Alexander Drannen, Atkinson
Frans Robert Eliason, Minneapolis
Herbert Aaron Gindler, Mason City, Iowa
Elgin Frederick Gunderson, Cambridge
Carroll Lloyd Hartwig, Minneapolis
Ralph Carleton Hitchcock, Jr., Minneapolis

Thomas Holen, Minneapolis
Robert Gene Huesmann, Caledonia, WITH DISTINCTION
Donald Roger Johnson, Duluth
Glenn Elwood Johnson, Boyd
James Dean Johnson, Sebeka
Earl Eldon Kalli, Dassel
Kenneth Kelley, Wayzata
Carol Nora Kittelsen, St. Paul, WITH DISTINCTION
Thomas Theodore Kuzas, Duluth
Burnell Lyle Larson, Elbow Lake
Paul Richard Lund, Litchfield
Marshall Nelson Madsen, Willmar
Wm. Eldridge Mitton, Staples
Roy J. Mordaunt, Jr., St. Paul
Robert Valentine Mott, Minneapolis
Robert Lewis Myers, B.Aero.E., Sheboygan, Wis.
David Lee Pearson, Lovell, Wyo.
Robert Charles Peterson, Waseca
Robert Donald Peterson, B.S.L., Minneapolis
Roy William Peterson, Bovey
Eugene Jerome Potthoff, St. Cloud
Donald Chisholm Reioux, Tower

Kenneth A. Rindflesh, Minneapolis,
WITH DISTINCTION
Thomas Joseph Ryan, Jr., Minneapolis
Marvin J. Sadoff, Minneapolis
Kenneth Eugene Sandell, St. Paul
Dwight Edgar Scarbrough, A.A.,
Minneapolis
Henry Gustav Schiller, Rockford, Ill.

Alonzo Baron Seran, Jr., Minneapolis
Lawrence Eugene Shaughnessy, Jr.,
St. Paul
Robert Everett Smith, B.E.E., Minne-
apolis
Warren Emil Sommerfeld, Sleepy Eye
William Nicholas Swiriduck, St. Paul

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Agricultural Business Administration

Harvey Milton Bjerke, Twin Valley, WITH DISTINCTION

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

<i>Robert Roland Dvorak, Herman</i>	<i>Douglas Arvid Stark, Centuria, Wis.</i>
<i>Erling Nuel Halvorson, Minneapolis</i>	<i>Curtis Elwyn Tessum, Preston</i>
<i>Paul Edward Herzog, A.A., Austin</i>	<i>Willard Alonzo Wiltse, Ceylon</i>
<i>Chellis James Peterson, Austin</i>	

LAW SCHOOL

Bachelor of Science in Law

<i>Richard Benson Braithwaite, Sioux</i> <i>Falls, S.D.</i>	<i>Evo Louis Valenti, B.A., Minneapolis</i>
--	---

Bachelor of Laws

<i>Lowell Chester Bigelow, Jr., B.S.L.,</i> <i>Browns Valley</i>	<i>Charles Barker Haverstock, B.E.E.,</i> <i>Minneapolis</i>
<i>Richard Benson Braithwaite, Sioux</i> <i>Falls, S.D.</i>	<i>Richard Theodore Hefferan, B.S. in</i> <i>Econ., Minneapolis</i>
<i>Charles Horace Clay, B.B.A., Amery,</i> <i>Wis.</i>	<i>Louise Alvina Herou, B.S.L., Minne-</i> <i>apolis</i>
<i>Harold Robert Erikson, B.S.L.,</i> <i>St. Paul</i>	<i>Charles August Johnson, B.S.L.,</i> <i>Mankato</i>
<i>Charles Daniel Gregg, B.S.L., Sioux</i> <i>Falls, S.D.</i>	<i>Verne Curtis Johnson, B.S.L., Minne-</i> <i>apolis</i>
<i>Myron Walter Grubryn, B.S.L.,</i> <i>Minneapolis</i>	<i>Judd W. LaFerte, B.S.L., Minne-</i> <i>apolis</i>
<i>Eugene Sanford Hames, B.S.L.,</i> <i>Missoula, Mont.</i>	<i>Carl Christian Larsen, B.A., Mauston,</i> <i>Wis.</i>

Robert John Lemm, B.S.L., St. Paul
Jerre Frank Logan, B.S.L., St. Paul
Lochiel Winston MacDonald, B.S.L.,
Hawley
DeWayne Paul Mattson, B.S.L.,
Rochester
Warren Patrick McGuiggan, B.S.L.,
Marshall
Albert Harry Michals, B.S.L., Minne-
apolis
Clifton Ervin Moen, B.S.L., Minne-
apolis
Gene Allen Mold, St. Paul
Stanley Nemer, B.S.L., St. Paul
Jack Hirsch Oreck, B.S.L., Duluth

Robert Samuel Parker, B.S.L., Cam-
bridge
Alex G. B. Radcliffe, B.S.L., St. Paul
David Walter Richter, B.S.L., Albert
Lea
Robert William Rischmiller, B.A.,
Gibbon
Philip Burton Rolig, B.S.L., Center
City
James Russell Scoggin, B.S.L., Minne-
apolis
Irving Shaw, B.S.L., St. Paul
Edward Michael Sullivan, B.A., B.S.,
Minneapolis
John Edward Wasche, B.B.A., Minne-
apolis

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing*

Joan Singley Jensen, Rochester

Bachelor of Science

Barbara Mary Couture, Superior,
Wis., Public Health Nursing
Helen Valorye Eck, Circle Pines,
Occupational Therapy
Dorothy Belle Funk, Aurora, Ill.,
Public Health Nursing
Elbert John Gamble, Albert Lea,
Medicine
Joan Singley Jensen, Rochester,
Public Health Nursing
Grace Wilcox Leonard, Independence,
Wis., Public Health Nursing
Sally Munro, Rolla, N.D., Occupa-
tional Therapy, WITH DISTINCTION

Mary Evelyn Nelson, Farmington,
Occupational Therapy
Beatrice Helen Ottersen, Duluth,
Public Health Nursing
Eileen Ward Quade, Duluth, Occu-
pational Therapy
Betty Dolores E. Rue, Minneapolis,
Public Health Nursing, WITH DIS-
TINCTION
Bernice Jean Schutte, Republic,
Mich., Public Health Nursing
Lois Marie Weinhold, Kansas City,
Mo., Public Health Nursing, WITH
HIGH DISTINCTION

Master of Public Health

Anita Marie Ellingson, R.N., Ph.B.,
Chicago, Ill.
Theresa H. Jenniges, B.S., Topeka,
Kan.

Gladys Maurine Ray, B.S., Barrett
Janice Ruth Westaby, B.S., G.N.,
Madison, S.D.

* This degree is conferred subject to satisfactory completion of required practical work prior to December 21, 1950.

Doctor of Medicine†

Harold Clinton Habein, Jr., B.A., M.B., Rochester

Master of Arts

Hans Aebli, Zurich, Switzerland

B.A. '47, Geneva University. Field of Concentration: Child Welfare.

Douglas Robert Anderson, St. Paul

B.A. '49, University of Minnesota. Major: Mathematics. Minor: Physics. Thesis: The Construction of a Uniform Topology on a Certain Type of Measure Space.

Oliver S. Andresen, Jr., Duluth

B.A. cum laude '45, University of Minnesota. Major: History. Minor: Political Science. Thesis: Lord Henry Howard, the Earl of Northampton, 1540-1614.

Lellwyn Raymond Anway, Minneapolis

B.S. '22, University of Illinois. Field of Concentration: Educational Psychology.

Lois Maxine Beebe, Omaha, Neb.

B.S. with high distinction '47, University of Minnesota. Field of Concentration: Child Welfare.

Pacey Beers, Minneapolis

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

Sherwood Benson, Chicago, Ill.

B.S.E.E. '49, Illinois Institute of Technology, Field of Concentration: Journalism.

Heinrich Karl Blechner, Vienna, Austria

Cand.Ph.D. '49, University of Vienna. Field of Concentration: Journalism.

Gordon DeLos Bluhm, Verndale

B.S. '34, North Dakota Agricultural College. Field of Concentration: Educational Administration.

Ervin Walter Bly, Minneapolis

B.S. '47, Moorhead State Teachers College. Field of Concentration: Industrial Education.

Beatrice Betty Bohmert, Odessa

B.S. '46, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Nancy Ann Boman, Duluth

B.A. '49, Grinnell College. Field of Concentration: American Studies.

Wesley Paul Booman, St. Paul

B.A. cum laude '49, Macalester College. Field of Concentration: Psychology.

Donna Lois Bowen, Minneapolis

B.S. with distinction '46, University of Minnesota. Field of Concentration: English.

John Peter Britz, Chicago, Ill.

B.A. '39, M.A. '40, University of Chicago. Field of Concentration: English.

Benjamin Anton Buck, Osseo

B.A. '46, Lawrence College. Field of Concentration: Educational Administration.

*Lourdes Raymundo Burgos, Paranaque, Rizal, Philippine Islands

B.S.E. '47, University of Santo Tomas. Field of Concentration: Curriculum and Instruction.

Dorothy Ragan Burkett, Pine Bluff, Ark.

B.S. '37, Arkansas State College. Field of Concentration: Curriculum and Instruction.

Beverly Jane Butrem, Winona

B.S. with honors '44, La Cross State Teachers College. Field of Concentration: Curriculum and Instruction.

Frank James Cirilli, Superior, Wis.

B.S. '40, Superior State Teachers College. Field of Concentration: Educational Administration.

Woodrow Wilson Cliff, Ogden, Utah

B.S. '39, Utah State Agricultural College. Field of Concentration: Journalism.

Richard Martin Clugston, St. Cloud

B.S. '48, St. Cloud State Teachers College. Field of Concentration: Educational Psychology.

* Degree conferred as of July 20, 1950.

† This degree is conferred subject to the satisfactory completion of hospital internship within one month.

- Robert Joseph Coulton, Minneapolis
B.A. *magna cum laude* '47, College of St. Thomas. Field of Concentration: Political Science.
- Charles Alfred Cox, Minneapolis
B.S. '45, United States Naval Academy. Field of Concentration: Journalism.
- Lawrence Doresmond Crocker, Sr.,
New Orleans, La.
B.A. '16, Straight College. Field of Concentration: Industrial Education.
- Cletus Joseph Cummiskey, Mankato
B.S. '47, Mankato State Teachers College. Field of Concentration: Educational Psychology.
- Evelyn Dreier Deno, Minneapolis
B.S. with high distinction '48, University of Minnesota. Field of Concentration: Child Welfare.
- Calvin A. Dickie, Grafton, N.D.
Ph.B. '48, University of North Dakota. Field of Concentration: Journalism.
- Dorothy Rae Dodge, Minneapolis
B.A. *summa cum laude* '49, University of Minnesota. Field of Concentration: International Relations.
- Vernon Malcolm Dolphin, Minneapolis
B.A. *cum laude* '49, University of Minnesota. Major: Philosophy. Minor: Psychology. Thesis: A Critical Analysis of the Meaning of Dialectic for Hegel, Marx, and Engels.
- Ronald Donovan, Lakewood, Ohio
B.A. '48, Western Reserve University. Field of Concentration: Economics.
- Alf Ingvald Eikaas, Kjolsdalen, Norway
Cand. Phil. '47, Oslo University. Field of Concentration: Educational Psychology.
- Raymond David Elias, Virginia
B.S. '50, University of Minnesota. Field of Concentration: Physical Education.
- Kenneth John Erickson, Brokaw, Wis.
B.S. '50, Platteville State Teachers College. Field of Concentration: Industrial Education.
- Glen Orville Fuglsby, Oldham, S.D.
B.S. '49, South Dakota State College of Agriculture and Mechanic Arts. Field of Concentration: Industrial Education.
- Cecil Marsh Gabriel, Parkersburg, W.Va.
B.A. '43, West Virginia Wesleyan College. Field of Concentration: Political Science.
- Elaine Oberg Gabriel, Minneapolis
B.A. '47, University of Minnesota. Field of Concentration: Child Welfare.
- Lydia Shane Gaines, Chicago, Ill.
B.S. '36, Tennessee Agricultural and Industrial State College. Field of Concentration: Curriculum and Instruction.
- Jack Gianotti, Ely
B.S. '48, University of Minnesota. Field of Concentration: Political Science.
- Donald Myles Gillmor, Fort Frances, Ontario, Canada
B.A. '49, University of Manitoba. Field of Concentration: Journalism.
- Eugene Carl Gluesing, Clarkfield
B.A. '37, Gustavus Adolphus College. Field of Concentration: Educational Psychology.
- Richard Myron Gollin, Far Rockaway, N.Y.
B.A. '49, Queens College. Field of Concentration: English.
- Rita Kaplan Gollin, Brooklyn, N.Y.
B.A. *magna cum laude* '49, Queens College. Field of Concentration: English.
- Dean Robinson Goodrich, Minneapolis
B.S. '28, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Jacob Frederic Goossen, St. Cloud
B.A. *summa cum laude* '49, University of Minnesota. Major: Music. Minor: History. Thesis: "A Song of the Rolling Earth." A Cantata for Two Solo Voices, Mixed Chorus, and Orchestra.
- Leland Dale Graber, Marion, S.D.
B.S. with honors '48, Wheaton College. Field of Concentration: Mathematics.
- Harold J. Gregory, Minneapolis
B.A. '33, Hamline University. Field of Concentration: Educational Administration.
- Alden Delno Groff, Minneapolis
B.S. '48, University of Minnesota. Field of Concentration: Industrial Education.

Thomas Wesley Hall, St. Paul
B.A. '49, Hamline University. Field of Concentration: Speech.

Robert Stephen Haltiner, St. Paul
B.S. *summa cum laude* '43, College of St. Thomas. Field of Concentration: Mathematics.

James C. Hansen, Jr., Sioux Falls, S.D.
B.A. '49, University of Minnesota. Field of Concentration: French.

Frances Florence Hanson, Fergus Falls
B.S. '45, Moorhead State Teachers College. Field of Concentration: Educational Psychology.

Lois Ann Hanson, Fergus Falls
B.S. '47, Moorhead State Teachers College. Field of Concentration: Curriculum and Instruction.

John Lewis Harnsberger, St. Paul
B.A. '48, Hamline University. Field of Concentration: History.

Helen Whittier Harvey, Stillwater
B.A. '15, Mount Holyoke College. Field of Concentration: Education.

Wilfred Howard Hausmann, Albert Lea
B.S. '48, University of Minnesota. Field of Concentration: Educational Administration.

Edward Haynes, Minneapolis
B.A. '25, Hamline University. Field of Concentration: Curriculum and Instruction.

Loudine Hill, Lamoni, Iowa
B.S. '43, Northwest Missouri State Teachers College. Field of Concentration: Curriculum and Instruction.

Donald Joseph Hogan, New York, N.Y.
B.A. '49, Queens College. Field of Concentration: English.

Janet Elizabeth Hohmann, St. Paul
B.A. '46, University of Minnesota. Major: International Relations. Thesis: Colombia and the United Nations: The Role of the Small American Nation in the World Organization.

Sanford Norman Hotchkiss, Davenport, Iowa
B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: Psychology.

Oliver Eugene Hoyum, Chisholm
B.S. '40, University of Minnesota. Field of Concentration: Educational Administration.

Irene Clarabelle Hannah Hutton, Limerick, Sask., Canada
B.A. '45, University of Saskatchewan. Field of Concentration: History.

Orval Ingwald Iverson, St. Paul
B.S. '41, River Falls State Teachers College. Field of Concentration: Curriculum and Instruction.

Harriet Palmer Jaffray, Minneapolis
B.A. with honors '47, Vassar College. Field of Concentration: Child Welfare.

Neil Corydon Jenkins, Cloquet
B.S. '48, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Jerome Joseph, Minneapolis
B.Phys. with distinction '48, University of Minnesota. Field of Concentration: Physics.

Algerd Constantine Klevickis, Kenosha, Wis.
B.S. '49, University of Wisconsin. Field of Concentration: Psychology.

Robert Theodore Kranc, LaCrosse, Wis.
Ph.B. '40, University of Wisconsin. Field of Concentration: Economics.

Frank Louis Krzysnik, Eveleth
B.S. with distinction '47, University of Minnesota. Field of Concentration: Educational Administration.

Leonard Irvin Kulseth, Minneapolis
B.S. '47, Mankato State Teachers College. Field of Concentration: English.

John Thomas Lackner, St. Paul
B.A. '36, College of St. Thomas. Field of Concentration: Educational Administration.

Arlo LeRoy Leinback, St. Paul
B.A. '43, University of South Dakota. Field of Concentration: Social Work.

Constance Shirley Leitch, Underwood

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

Virginia Mae Levie, St. Paul

B.S. with high distinction '48, University of Minnesota. Field of Concentration: Child Welfare.

Elton Loyal Lien, Princeton

B.A. '40, University of North Dakota. Field of Concentration: Educational Psychology.

Robert Lloyd Lillestrand, St. Cloud

B.A. '49, University of Minnesota. Field of Concentration: Physics.

Elwood Lloyd Wallace Lindberg, Minneapolis

B.A. '41, Bethany College (Lindsborg, Kansas). Field of Concentration: Education.

Celia Logan, Menahga

B.S. with distinction '38, University of Minnesota. Field of Concentration: Educational Psychology.

Ida Mildred MacDonald, Missoula, Mont.

B.A. with honors '22, Montana State University. Field of Concentration: Educational Psychology.

William Dean Martinson, St. Paul

B.S. '49, St. Cloud State Teachers College. Field of Concentration: Educational Psychology.

Homer Eugene Mason, Northfield

B.A. *magna cum laude* '48, St. Olaf College. Major: Philosophy. Minor: Psychology. Thesis: On Presuppositions: A Study of R. G. Collingwood's Concept of Mind.

Clifford William Mather, Slayton

B.A. '36, Luther College. Field of Concentration: Curriculum and Instruction.

Lorna Ione Mattson, Effie

B.A. with honor '48, Wheaton College. Field of Concentration: English.

Michael Loren McCormick, Culbertson, Mont.

B.S. '48, Montana State College. Field of Concentration: Physical Education.

John Douglas Megson, Grinnell, Iowa

B.A. '40, Iowa State Teachers College. Field of Concentration: Physical Education.

Richard John Meinz, St. Cloud

B.Ed. '38, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction.

Harold Eugene Mitzel, Wichita, Kan.

B.A. *magna cum laude* '43, University of Wichita. Field of Concentration: Educational Psychology.

Bruce Harlen Montgomery, Minneapolis

B.S. '46, Winona State Teachers College. Field of Concentration: Physical Education.

Mercedes Katherine Moore, St. Paul

B.S. with distinction '34, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Lee Edward Morrow, Fairmont

B.S. '48, Mankato State Teachers College. Field of Concentration: Physical Education.

Herbert Charles Morton, St. Paul

B.A. *cum laude* '42, University of Minnesota. Field of Concentration: Journalism.

Harold Lewis Nelson, Minneapolis

B.A. '41, University of Minnesota. Major: Journalism. Minor: History. Thesis: A History of *The Minnesota Daily Star*.

Leonard Nelson, Lincoln, Neb.

B.A. '42, University of Pennsylvania. Major: Zoology. Minor: Botany. Thesis: Effects of SH-Reagents on Respiratory Metabolism of *Arbacia Spermatoza*.

Raymond D. Nelson, Lake Crystal

B.A. '36, Gustavus Adolphus College. Field of Concentration: Educational Administration.

Richard Randolph Newberg, St. James

B.A. '49, University of Minnesota. Field of Concentration: Economics.

George Anthony Oja, Ely

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

Louise Pauline Olsen, Minneapolis

B.A. *cum laude* '45, Augustana College. Field of Concentration: History.

James George Pappas, Mahanomen

B.S. '38, Northwestern State Teachers College (Aberdeen, South Dakota). Field of Concentration: Educational Administration.

George Harry Parkinson, Duluth

B.S. '49, University of Minnesota, Duluth Branch. Field of Concentration: Curriculum and Instruction.

Kenneth Earl Parr, Farmington

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

Albert Daniel Peck, Arcata, Calif.

B.A. '47, Chico State College. Field of Concentration: Curriculum and Instruction.

Grace Luella Persons, St. Paul

B.S. with high distinction '47, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Willis Harold Raff, St. Paul

B.A. *cum laude* '48, Hamline University. Major: Political Science. Minor: History. Thesis: Civil Liberties in Minnesota: World War One Period.

William George Redel, Minneapolis

B.A. '48, University of Minnesota. Field of Concentration: Political Science.

Alan Russell Robb, Redwood City, Calif.

B.A. '48, University of California. Field of Concentration: Speech.

Loretta Irene Rowe, Battle Lake

B.A. *cum laude* '47, University of Minnesota. Field of Concentration: English.

Alek Aron Rozental, Warsaw, Poland

B.S. '48, University of London. Field of Concentration: Economics.

Lylas William Saeger, Wauwatosa, Wis.

B.S. '43, Concordia Teachers College. Field of Concentration: Educational Administration.

Donald James Savage, Prescott, Wis.

B.A. '48, Hamline University. Major: Speech. Minor: English. Thesis: Charles Chap'in: Innovation and Traditions.

Frank Llewellyn Savage, Brainerd

B.S. '45, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction.

Sidney Arnold Schmidt, Springfield

B.Ed. '35, Winona State Teachers College. Field of Concentration: Educational Administration.

Kenneth Edward Schnelle, Mankato

B.A. '37, M.A. '41, Yale University. Field of Concentration: Economics.

Raymond Leroy Schnuth, Hazlet, Sask., Canada

B.Ed. '49, University of Saskatchewan. Field of Concentration: Industrial Education.

Robert MacGregor Shaw, International Falls

B.A. '49, University of Minnesota. Field of Concentration: Journalism.

Patrick Shearer, Minneapolis

B.A. '50, University of Minnesota. Field of Concentration: English.

Ellen Yonneff Siegelman, Newark, N.J.

B.A. with honors '47, New Jersey College for Women. Field of Concentration: English.

David Alan Skelly, Cohasset

B.S. '49, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Chester Alden Smith, Minneapolis

B.B.A. '39, University of Minnesota. Field of Concentration: Geography.

Virginia Ellen Smith, Wilmette, Ill.

Ph.B. '45, University of Chicago. Major: Educational Psychology. Minor: Education. Thesis: Concepts of Egocentric Behavior.

Robert Edward Spindler, Faribault

B.S. '43, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Alvina Frances Starry, Mellen, Wis.

B.Ed. '46, Superior State Teachers College. Field of Concentration: Curriculum and Instruction.

Olaf Hjalmar Swenson, St. Peter

B.A. *cum laude* '43, Gustavus Adolphus College. Major: Sociology. Minor: Political Science. Thesis: A Comparison of Rural and Urban High School Boys by Selected Personality Characteristics.

Allen Thiemich, Minneapolis

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

Orval Lee Trail, Forest City, Iowa

B.A. '43, B.S. '46, University of Dubuque. Field of Concentration: Educational Administration.

Donald Turkington, Winona
B.S. '47, St. Mary's College. Field of Concentration: Educational Administration.

Richard Herman Vogt, Philadelphia, Pa.

B.A. '39, University of Pennsylvania. Field of Concentration: Physics.

Erhard Von Brentano, Freiburg, Germany

Graduate '38, Gymnasium am Lietzensee. Field of Concentration: Economics.

Elizabeth Anne Warburton, Minneapolis

B.A. cum laude '43, University of Minnesota. Field of Concentration: Area Studies: Latin American.

Koldny Wedingsen, Trondheim, Norway

Grad. '46, Nesna Teachers College (Norway). Field of Concentration: Curriculum and Instruction.

Joseph Anthony Wettstein, Fulda

B.A. '38, Dakota Wesleyan University. Field of Concentration: Educational Administration.

Kenneth Whitaker, Denver, Colo.

B.A. '48, University of Colorado. Field of Concentration: Journalism.

Pearl Doris Whitney, Minneapolis

B.S. '46, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction.

Gene Charles Wisler, Caldwell, Idaho

B.A. '47, San Jose State College. Field of Concentration: Music.

Mervale Leavens Wolverton, Mankato

B.Ed. '39, Winona State Teachers College. Field of Concentration: Educational Administration.

Hsueh-cheng Wu, Honan, China

LL.B. '46, National Tsing Hua University. Field of Concentration: Economics.

Helen Lillian Yngve, Cambridge

B.A. '48, University of Minnesota. Field of Concentration: Psychology.

Master of Arts in Public Administration

Carl Walter Birkelo, Mayville, N.D.

B.S. '47, Mayville State Teachers College. Field of Concentration: Public Administration.

Roberta Cameron Burr, Bismarck, N.D.

B.A. '30, Jamestown College. Field of Concentration: Public Administration.

Master of Business Administration

Royce Phillip Buck, Clarissa

B.S. '46, University of Minnesota. Field of Concentration: Economics.

Roger Marie Konings, Tirlemont, Belgium

B.B.A. '49, Université Catholique de Louvain. Field of Concentration: Business Administration.

Herbert Henry Schroeder, Jr., Minneapolis

B.Ch.E. '45, University of Minnesota. Field of Concentration: Business Administration.

Master of Science

- George Watkins Anderson, Jr., Man-
kato
B.A. *magna cum laude* '48, University of
Minnesota. Major: Physics. Minor: Mathe-
matics. Thesis: Diurnal Variations in Star-
Producing Cosmic Rays at Balloon Altitudes.
- George Butorac, Ely
B.A. '47, University of Minnesota. Major:
Bacteriology. Minor: Physiological Chemistry.
Thesis: The Cultivation of Viruses *in vitro*.
- Alfredo Tierrafria Campos, Mexico
City, Mexico
I.A. '49, Escuela Nacional de Agricultura
(Mexico). Major: Plant Pathology. Minor:
Plant Genetics. Thesis: Resistance to Stem
Rust in Mexican Wheat Varieties and Hy-
brids.
- David Charles England, Bremerton,
Wash.
B.S. in Agr. with distinction '49, Washington
State College. Field of Concentration: Animal
Husbandry.
- William Otto Harms, Alton, Ill.
B.S. in Met.E. with high distinction '48,
Wayne University. Major: Metallurgy. Minors:
Physical Chemistry and Mathematics and Me-
chanics. Thesis: Studies on Seizing and Gall-
ing of Metals.
- Eldon Glen Hill, Loveland, Colo.
B.S. '40, Colorado Agricultural and Mechan-
ical College. Major: Poultry Husbandry. Minor:
Agricultural Biochemistry. Thesis: Studies on
Unidentified Growth Factors in the Nutrition
of the Chick.
- Ronald Mitchell Howard, Minneapolis
B.A. '42, Macalester College. Major Bac-
teriology. Minor: Agricultural Biochemistry.
Thesis: A Serological Test of Possible Value
in the Diagnosis of Tuberculosis.
- Ian Fyvie Keith, Aberdeen, Scotland
B.Sc. '48, Aberdeen University (Scotland).
Field of Concentration: Agricultural Eco-
nomics.
- Joseph Meinard Kemen, Rochester
B.S. '40, University of Minnesota. Field of
Concentration: Agricultural Education.
- Delmar Eugene Krienke, Sleepy Eye
B.A. '47, University of Minnesota. Field of
Concentration: Physics.
- Harry Moore Landis, Minneapolis
B.A. '48, College of Wooster. Field of Con-
centration: Physics.
- Robert Henry Lindquist, Minneapolis
B.Ch. with distinction '49, University of Min-
nesota. Major: Physical Chemistry. Minor:
Mathematics. Thesis: The Fluorescence Sensi-
tization of Chlorophyll B.
- Anthony Cousland Lowe, Debenham,
England
B.A. '48, Cambridge University (England).
Field of Concentration: Agricultural Eco-
nomics.
- Glenn Edward Maddy, Perrysburg,
Ohio
B.S. '49, Cornell University. Field of Con-
centration: Agricultural Economics.
- Calvin Samuel McCamy, West Fargo,
N.D.
B.Ch.E. '45, University of Minnesota. Field
of Concentration: Physics.
- William George Mizuno, St. Paul
B.A. *cum laude* '48, University of Minnesota.
Major: Bacteriology. Minor: Agricultural Bio-
chemistry. Thesis: Some Studies of the Effect
of Various Factors on the Growth of *Enda-
moeba histolytica* and the Cysticidal Effect of
Several Quaternary Ammonium Compounds.
- Robert Nathans, Wilmington, Del.
B.S. '49, University of Delaware. Field of
Concentration: Physics.
- Jon Hermann Olafson, Gardor, N.D.
B.S. '42, University of North Dakota. Major:
Agricultural Biochemistry. Minor: Plant Phys-
iology. Thesis: The Respiration and Storage
Behavior of Shelled Corn.
- Arthur Barnhardt Olson, Minneapolis
B.Phys. with high distinction '49, University
of Minnesota. Field of Concentration: Physics.
- Howard Halfdan Olson, Chicago, Ill.
B.S. '48, University of Wisconsin. Major:
Dairy Husbandry. Minor: Physiological Chem-
istry. Thesis: Effects of Nutrition on the
Quality and Quantity of Bovine Semen.
- Billy J. Peightal, Lodi, Calif.
B.S. '49, University of California. Field of
Concentration: Agricultural Economics.

Ardell Mae Proctor, Lake Park, Iowa
B.S. with distinction '45, University of Minnesota. Major: Bacteriology. Minor: Zoology. Thesis: Adaptation of the Conglutinin Complement Absorption Test to the Pathogenic Fungi.

Julian Reinheimer, Philadelphia, Pa.
B.S. '49, Pennsylvania State College. Field of Concentration: Physics.

Jay Kenneth Seyler, Superior, Wis.
B.S. with honors '48, Superior State Teachers College. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Reactions of Ethyl α -Bromoacetate with S-Benzylisothiourea. The Reactions of Amidines with α , β -unsaturated Carbonyl Compounds and Their Derivatives.

Orris Harold Shulstad, St. Paul
B.S. with distinction '47, University of Minnesota. Majors: Agronomy and Agricultural Botany. Minor: Plant Pathology. Thesis: The Effect of Date of Sowing on Varietal Response of Flax to 2,4-D Applications.

Sigurd Roy Stangeland, Juanita, N.D.
B.S. '48, North Dakota Agricultural College. Field of Concentration: Agricultural Economics.

Bernard Freeland Stanton, Greenville, N.Y.

B.S. '49, Cornell University. Field of Concentration: Agricultural Economics.

Dolores Kavka Van Norman, Davenport, Iowa

B.A. '46, Iowa State Teachers College. Field of Concentration: Botany.

Donald George Waldhalm, Minneapolis

B.A. *cum laude* '48, University of Minnesota. Major: Bacteriology. Minor: Physical Chemistry. Thesis: A Study of Some Effects of pH on the Utilization of Riboflavin by *Lactobacillus casei*.

Marion English Watson, Minneapolis
B.A. *magna cum laude* '44, University of Minnesota. Field of Concentration: Speech Pathology.

Perman Eugene Williams, Leesburg, Fla.

B.S. '35, Florida Agricultural and Mechanical College. Field of Concentration: Agricultural Education.

Master of Science in Aeronautical Engineering

Edward Ralph Becker, Minneapolis
B.Aero.E. with high distinction '49, University of Minnesota. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: The Relative Pressure Drop Coefficients for a Square Edged Orifice in Steady and Pulsating Flow.

Curtis Vernon Burkland, North Branch

B.Aero.E. '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Alvin Donald Riedler, Minneapolis
B.Aero.E. with high distinction '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Jerry Patrick Zemlin, Minneapolis
B.Aero.E. with high distinction '49, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Agricultural Engineering

Gerald Charles Zoerb, Delisle, Sask., Canada

B.E. '48, University of Saskatchewan. Major: Agricultural Engineering. Minor: Soils. Thesis: Design and Development of an Experimental Machine for Deep Placement of Fertilizer with Respect to Corn.

Master of Science in Anesthesiology

Albert Edward Keates, Jr., Timmins,
Ont., Canada

M.D.C.M. '44, McGill University. Major:
Anesthesiology. Minor: Physiology. Thesis:
Clinical Effects of Drugs and Procedures in
Anesthesia on Nailfold Capillaries.

Master of Science in Chemical Engineering

Charles Ellingsen Matson, Minne-
apolis

B.Ch.E. '44, University of Minnesota. Major:
Chemical Engineering. Minor: Metallography.
Thesis: The Erection and Testing of a Meth-
anol Stripping Column.

Robert Earl Nielsen, Baudette

B.Ch.E. with distinction '49, University of
Minnesota. Major: Chemical Engineering.
Minor: Mathematics. Thesis: Cycling Char-
acteristics of Two-Position Temperature Con-
trol.

Master of Science in Civil Engineering

Edward H. Anderson, Jr., Grand
Forks, N.D.

B.S.C.E. '42, University of North Dakota.
Major: Civil Engineering (Structural Engi-
neering). Minor: Civil Engineering (Highway
Engineering and Soil Mechanics). Thesis: A
Study of the Bending of Thin Plates.

Kuan-ning Chen, Shanghai, China

B.S. in C.E. '43, St. John's University (China).
Field of Concentration: Civil Engineering
(Structural Engineering).

John Albert Forsberg, Minneapolis

B.C.E. with distinction '49, University of Min-
nesota. Major: Civil Engineering. Minor:
Mathematics and Mechanics. Thesis: Struc-
tural Properties of Vermiculite Concrete.

Erik Brynjulf Foss, Skotselv, Norway

B.C.E. with distinction '49, University of
Minnesota. Major: Civil Engineering. Minor:
Mathematics. Thesis: A Study of Three
Sources of Minnesota Limestone as to Re-
action with Alkali in Cement.

Jaga Nath Panda, Parlakimedi,
Ganjam, Orissa, India

B.Sc. '42, B.Sc. (Eng.) '46, Patna University
(India). Major: Civil Engineering (Sanitary
Engineering). Minor: Civil Engineering (Hy-
draulics). Thesis: Relative Effects of Certain
Factors in Activated Sludge Process.

Master of Science in Dentistry

Mellor Rodney Holland, Minneapolis
D.D.S. '46, University of Minnesota. Major:
Dentistry (Oral Surgery). Minor: Physiology.
Thesis: A Study of Some of the Physiological
Effects from Local Anesthetic Drugs in Human
Subjects.

Edmund Severn Olsen, Jr., St. Paul

D.D.S. '42, University of Minnesota. Major:
Dentistry (Restorative Dentistry). Minor:
Anatomy. Thesis: A Radiographic Study of
Variations in Physiological Rest Position of
the Mandible in Edentulous Patients.

Master of Science in Dermatology and Syphilology

Myron Herman Kulwin, Chicago, Ill.

B.S. '43, M.D. '44, University of Illinois.
Major: Dermatology and Syphilology. Minor:
Histopathology. Thesis: Blood Vessels of the
Skin in Chronic Venous Insufficiency.

Master of Science in Medicine

George Tyson Carpenter, Goshen, Ind.

B.A. '41, DePauw University; M.D. '45, Northwestern University. Major: Medicine. Minor: Pathology (Hematology). Thesis: The Bone Marrow and the Peripheral Blood Leucocytes in Cushing's Syndrome.

William Theodore Foulk, Jr., West Chester, Pa.

B.A., '38, Duke University; M.D. '42, University of Pennsylvania. Major: Medicine. Minor: Physiology. Thesis: A Study of Motility Patterns in the Duodenum and Upper Jejunum in Normal Subjects with Special Reference to the Basic Rhythm.

Master of Science in Neurosurgery

Lee Allen Christoferson, Bemidji

B.S. '41, M.B. '44, M.D. '45, University of Minnesota. Major: Neurosurgery. Minor: Neuropathology. Thesis: Tumors of the Corpus Callosum.

Master of Social Work

Freda Walno Burnside, Minneapolis

B.A. '32, Washburn University. Field of Concentration: Social Work.

Doctor of Philosophy

Ray Harold Anderson, Minneapolis

B.S. *cum laude* '36, College of St. Thomas. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Reactions of Amines with Polyhydroxycarbonyl Compounds. Major Adviser: Professor L. I. Smith.

Katharine Fay Dale Barnes, New

Richmond, Wis.

B.S. '38, M.A. '39, University of Minnesota. Major: Education. Minor: English. Thesis: The Influence of Reading Ability on Performance on Certain Aptitude Tests. Major Adviser: Professor G. L. Bond.

William Walter Bleifuss, Lindstrom

B.S. with honors '43, Winona State Teachers College; M.A. '47, University of Minnesota. Major: English. Minor: Philosophy. Thesis: Charles Dickens and the Law. Major Adviser: Professor J. T. Hillhouse.

Margaret Mary Buswell, Chicago, Ill.

B.A. *cum laude* '41, Lawrence College; B.S. '46, M.A. '47, University of Minnesota. Major: Educational Psychology. Minor: Curriculum and Instruction. Thesis: The Relationship between the Social Structure of the Classroom and the Academic Success of the Pupils. Major Adviser: Professor G. L. Bond.

Dale Everett Butz, Albion, Ind.

B.S. with distinction '43, Purdue University; M.S. '48, Cornell University. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of the Minnesota Dry Milk Industry. Major Adviser: Professor E. F. Koller.

Gabriel Francois Cazell, Bryan, Tex.

B.A. '37, M.S. '39, Texas Agricultural and Mechanical College. Major: Economics. Minor: Agricultural Economics. Thesis: A Postwar Tin Policy for the United States. Major Adviser: Professor A. R. Uppgren.

William Cummings, Beverly, Mass.

B.S. '40, M.S. '41, Rensselaer Polytechnic Institute. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: Condensation of Salicylaldehyde and Levulinic Acid in the Presence of Hydrogen Chloride. Major Adviser: Professor C. F. Koelsch.

Robert Neil Flesch, St. Paul

B.S. *magna cum laude* '42, College of St. Thomas. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: The Synthesis of Fluorenone-1,4-Quinone and a Study of Certain Dimethoxyfluorenone. Major Adviser: Professor C. F. Koelsch.

Arthur Perkins French, Amherst,
Mass.

B.S. '21, Ohio State University; M.S. '23, Massachusetts State College. Major: Horticulture. Minor: Plant Genetics. Thesis: The Inheritance of Time of Ripening and Other Economic Characters of the Peach. Major Adviser: Professor W. H. Alderman.

Claude Wilson Grant, Sandy, Utah

B.S. '46, University of Houston; M.S. '47, University of Utah. Major: Educational Psychology. Minor: Psychology. Thesis: The Relation of Subtle Items and Response Bias to Measured Patterns of Personality. Major Adviser: Professor C. G. Wrenn.

Phillip Curtis Hamm, St. Paul

B.S. '38, University of Minnesota. Major: Plant Physiology. Minor: Horticulture. Thesis: Physiological Studies of the Seed of *Taraxacum kok-saghyz*. Major Adviser: Professor R. H. Landon.

Darrel Melvin Harris, Kirksville, Mo.

B.S. '43, Kirksville State Teachers College; M.S. '48, University of Minnesota. Major: Inorganic Chemistry. Minor: Physical Chemistry. Thesis: The Chemistry of Diphenylgermane, Triphenylgermane and Some of Their Derivatives. Major Adviser: Professor O. H. Johnson.

Hans George Hirsch, Minneapolis

B.S. with high distinction '41, M.S. '42, University of Minnesota. Major Agricultural Economics. Minor: Economics. Thesis: The Role of Milk Producers' Cooperatives under the Agricultural Marketing Agreement Act. Major Adviser: Professor W. C. Waite.

Richard Remsen Holmes, Minneapolis

B.A. *cum laude* '42, Oberlin College. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: The Reaction between Quinones and Metallic Enolates. Major Adviser: Professor L. I. Smith.

James Jerome Jenkins, Maplewood,
Mo.

B.S. '44, University of Chicago; B.A. '47, William Jewell College; M.A. '48, University of Minnesota. Major: Psychology. Minors: Biostatistics and Economics. Thesis: Prediction of Forecasting Efficiency for Army Weather Forecasters. Major Adviser: Professor D. G. Paterson.

Leon Abbott Kanegis, Winthrop,
Mass.

D.V.M. '43, Iowa State College. Major: Pharmacology. Minor: Veterinary Medicine. Thesis: Certain Aspects of the Pharmacology of Sulfonamides in Normal Turkeys. Major Advisers: Professors R. N. Bieter and M. H. Roepeke.

George Roger Klare, Northbend, Neb.

B.A. *cum laude* '46, M.A. '47, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: Evaluation of Quantitative Indices of Comprehensibility in Written Communication. Major Adviser: Professor D. G. Paterson.

Joseph Jack Kwiat, St. Paul

Ph.B. '35, University of Chicago; M.A. '40, Northwestern University. Major: American Studies. Thesis: The Revolt in American Painting and Literature, 1890-1915: A Study in Cultural and Intellectual Origins and Interrelationships. Major Adviser: Professor Tremaine McDowell.

Clarence Robert Landgren, Hibbing

B.S. '44, Iowa State College. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Studies of the Rate of Growth of Crystals from Aqueous Solution (Potassium Alum). Major Adviser: Professor N. H. Ceaglske.

Leon Lapidus, Syracuse, N.Y.

B.Ch.E. *magna cum laude* '45, M.Ch.E. '47, Syracuse University. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: The Evaluation of Rate-Determining Steps in Radial Adsorption Analysis. Major Adviser: Professor N. R. Amundson.

Hwa-Ni Lee, China

B.S. '45, La Universitato Utopia; M.S. in C.E. '47, University of Minnesota. Major: Civil Engineering. Minor: Mathematics and Mechanics. Thesis: Modified Plastic Theory of Reinforced Concrete Design. Major Adviser: Professor Paul Andersen.

Albert Shelton Matlack, Minneapolis

B.S.Ch. '44, University of Virginia. Major: Organic Chemistry. Minor: Plant Physiology. Thesis: The Reactions of Organometallic Compounds with Quinolones. Major Adviser: Professor C. F. Koelsch.

Edward Clayton McManus, McIntosh

B.S. with distinction '40, University of Minnesota; D.V.M. '44, Iowa State College. Major: Pharmacology. Minor: Bacteriology. Thesis: A Chemotherapeutic Study of *Eimeria tenella*. Major Adviser: Professor R. N. Bieter.

Vincent Earl Miller, Worcester, N.Y.
B.A. '42, New York State College for Teachers. Major: English. Minor: Philosophy. Thesis: Some Characteristics of George Meredith's Prose Style. Major Adviser: Professor J. T. Hillhouse.

Donald Edwin Munnecke, St. Paul
B.S. '42, M.S. '49, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: A Study of Diagnostic Characters of Physiologic Races of *Puccinia graminis tritici*. Major Adviser: Professor E. C. Stakman.

Edward Petterson Parry, Salt Lake City, Utah
B.S. '45, University of Utah. Major: Physical Chemistry. Minor: Analytical Chemistry. Thesis: Kinetic Currents in Polarography. Major Adviser: Professor I. M. Kolthoff.

Joshua Nursingh Prem-Singh, Bangalore, Mysore State, India
B.S. with honors '36, University of Mysore. Major: Horticulture. Minor: Plant Genetics. Thesis: Studies on a Male Sterile Character in the Squash *Cucurbita maxima*, Duch. Major Adviser: Professor A. E. Hutchins.

Robert Diddams Price, LeRoy
B.A. '37, M.A. '46, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: An Experimental Evaluation of the Relative Effectiveness of the Use of Certain Multi-Sensory Aids in Instruction in Division of Fractions. Major Adviser: Professor L. J. Brueckner.

John Oliver Punderson, Rochester
B.S. '40, University of Chicago. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Studies on the Michael Reaction. Major Adviser: Professor C. F. Koelsch.

Maynard Clinton Reynolds, Moorhead
B.S. '42, Moorhead State Teachers College; M.A. '47, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: A Study of the Relationships between Auditory Characteristics and Specific Silent Reading Abilities. Major Adviser: Professor W. W. Cook.

Jim R. Schunert, San Diego, Calif.
B.S. with distinction '34, M.A. '41, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Association of Mathematical Achievement with Certain Factors Resident in the Teacher, in the Teaching, in the Pupil, and in the School. Major Adviser: Professor P. O. Johnson.

William Seeman, Baltimore, Md.
B.S. '37, Johns Hopkins University; M.A. '47, Columbia Teachers College. Major: Psychology. Minor: Neuropsychiatry. Thesis: An Investigation of Day Dreams. Major Adviser: Professor P. E. Meehl.

John Rogers Sjolander, LaCrosse, Wis.
B.A. '46, University of Wisconsin. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Alkylation of Methyl 1,1,2,2-Ethanetetracarboxylate. Major Adviser: Professor C. F. Koelsch.

Gordon Haakon Strom, New York, N.Y.
B.Aero.E. with high distinction '36, M.S. '38, University of Minnesota. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Correlation of Theoretical and Experimental Studies of Airfoil Characteristics with Changing Angle of Attack as Affected by Time between Changes. Major Adviser: Professor J. D. Akerman.

John Elliott Turner, Minneapolis
B.A. *magna cum laude* '39, Yankton College; M.A. '49, University of Minnesota. Major: Political Science. Minor: History. Thesis: The Kenseikai (Constitutional Party) of Japan, 1913-1927: A Study of Its History, Organization, and Domestic and Foreign Policies. Major Adviser: Professor H. S. Quigley.

Edward Barriere Winn, Severna Park, Md.
B.S.E.E. *cum laude* '46, University of South Carolina; M.S. '47, University of Virginia. Major: Physics. Minor: Mathematics. Thesis: The Self Diffusion Coefficients of Argon, Neon, Nitrogen, Oxygen, Carbon Dioxide, and Methane. Major Adviser: Professor A. O. C. Nier.

Stanley Paul Wronski, Minneapolis
B.S. with distinction '42, M.A. '47, University of Minnesota. Major: Social Sciences. Minor: Education. Thesis: The Use of Government Publications in Social Studies Teaching. Major Adviser: Professor E. B. Wesley.

Oscar Zoebisch, Albany
B.S. '46, M.S. '50, University of Minnesota. Major: Plant Genetics. Minor: Botany. Thesis: Some Quantitative Characters in *Zea mays*. Major Adviser: Professor E. H. Rinke.

CAPS AND GOWNS

AN EXPLANATION

In the medieval city, clothing not unlike that worn by those participating in this commencement was common. The modern academic costume has evolved from the dress of the medieval guilds and the early religious orders.

Today, everyone with a college or university degree may wear the black academic gown. Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. At the University of Minnesota, the lining of the hood has a maroon chevron on an old gold ground to represent the University colors. A University faculty member who holds a degree from another college or university wears the colors of his own alma mater.

Distinctions between sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a Bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a Master's degree. A round, open sleeve marks a Doctor's degree.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer. It may be white for Arts and Letters, gold-yellow for Science, maize for Agriculture, Forestry, Home Economics, and Veterinary Medicine, or light blue for Education. Orange denotes Technology; dark blue, Philosophy; purple, Law; green, Medicine; and pink, Music. Public Health is shown by salmon pink edging, Dentistry by lilac, Pharmacy by olive, and Commerce and Accounting by drab.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve. The trimming may be either black or may match the color of the hood edging.

Caps, or mortarboards, too, have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidate is an honor student.

For the Master's and Doctor's degree, the tassels are always black, but candidates for the Bachelor's degree at this commencement wear tassels which indicate their school or college by color, as follows:

(In the order of their appearance on the platform)

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, Home Economics, and Veterinary Medicine	maize
College of Education.....	light blue
School of Business Administration.....	drab
Law School	purple
College of Pharmacy	olive
College of Medical Sciences.....	green
Graduate School	black

THE
UNIVERSITY OF MINNESOTA

Announces Its

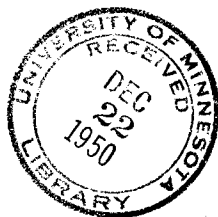
December Centennial Commencement

1950

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, DECEMBER 21

AT EIGHT O'CLOCK



1851

• FOUNDED IN THE FAITH THAT MEN ARE ENNOBLED BY UNDERSTANDING •
DEDICATED TO THE ADVANCEMENT OF LEARNING AND THE SEARCH FOR TRUTH
DEVOTED TO THE INSTRUCTION OF YOUTH AND THE WELFARE OF THE STATE

1951



University of Minnesota

THE BOARD OF REGENTS

Dr. James Lewis Morrill, President

Mr. William T. Middlebrook, Secretary

Mr. Julius A. Schmahl, Treasurer

The Honorable Ray J. Quinlivan, St. Cloud
First Vice President and Chairman

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Second Vice President

The Honorable James F. Bell, Minneapolis

The Honorable Daniel C. Gainey, Owatonna

The Honorable Richard L. Griggs, Duluth

The Honorable J. S. Jones, St. Paul

The Honorable Albert J. Lobb, Rochester

The Honorable E. E. Novak, New Prague

The Honorable A. J. Olson, Renville

The Honorable Herman F. Skyberg, Fisher

The Honorable Fred B. Snyder, Minneapolis

The Honorable Sheldon V. Wood, Minneapolis

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the outer lobby on the main floor, to the gallery lobbies, and to the lounge rooms.

This Is Your University

CHARTERED in February, 1851, by the Legislative Assembly of the Territory of Minnesota, the University of Minnesota is currently celebrating its one hundredth birthday. While nearing this milestone, as from its very beginning, the University is dedicated to the task of training the youth of today, the citizens of tomorrow. How well it has succeeded is indicated by the number of doctors, lawyers, engineers, social workers, journalists, dentists, farmers, businessmen, and community and civic leaders in all fields—good citizens all—who have gone 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 102,555 degrees to its students who have completed the rigorous training demanded by the complexities and specialization of modern society.

In addition to the enormous task of giving collegiate instruction to some twenty-two thousand students on its Minneapolis, St. Paul, and Duluth campuses, the University offers, through its School of Agriculture, its General Extension Division, and its short courses, 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 demonstration agents, and recreation and health consultants give effective aid and assistance to citizens of the state in their very homes.

But the University of Minnesota, like all great universities, has expanded far beyond its early teaching and training programs. In its diverse research laboratories on its three campuses, at the several agricultural experiment stations, at the Rosemount Research Center, and at the University Hospitals, its scientists at any one moment are working on countless research experiments of vital interest to the future health and welfare of all of us. These projects deal with such matters as cancer, poliomyelitis, taxation, low-grade iron ore, cheese making, teacher training, municipal government, nuclear fission, new varieties and strains of grains and fruits, supersonics and transonics, to mention only a few.

THE UNIVERSITY is recognized as the cultural hub of the Northwest; it is the home of the Minneapolis Symphony, the University Artists Course, radio station KUOM, the University Theatre, and the local performances of the Metropolitan Opera Company. Through the University of Minnesota Concert and Lecture Service and the School Assembly 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 because it is the second largest state university in the nation, but because of the extent and quality of its services from which they, their families, communities, and organizations benefit. Their interest in their University is a dynamic, living thing and expresses itself in many ways. Contributions from them now make it possible for the new Variety Club Heart Hospital to be completed and for the great Mayo Memorial building to be erected over the coming months. Through the American Legion and auxiliary posts all over the state, thousands of friends have made generous donations to provide an endowed research professorship in heart diseases. Gifts to the Greater University Fund, each appropriately called "A Share in Greatness," now being made especially by alumni, are worthy of special mention.

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 University Alumni Association and the Greater University Fund and to return as frequently as possible to visit us here at the University.

Order of Events

INVOCATION: The Reverend Donald Sinclair, member of the Minnesota Council of Religion and adviser to Congregational students on the St. Paul campus.

SPEAKING FOR THE UNIVERSITY: President James Lewis Morrill, LL.D., President of the University of Minnesota.

COMMENCEMENT ADDRESS: "Against the Background of Crisis," William P. Tolley, Ph.D., Chancellor of Syracuse University.

CONFERRING OF COMMISSIONS: Dr. Malcolm M. Willey, Vice President, Academic Administration, will introduce Colonel Clarence H. Schabacker, USA, Professor of Military Science and Tactics; and Commander Wilmer E. Rawie, USN, Associate Professor of Naval Science, who will present their candidates for commissions in their respective branches of the armed services. The commissions will be presented by President Morrill; the oath of office will be administered by Colonel Schabacker.

CONFERRING OF DEGREES: Dr. Malcolm M. Willey, Vice President, Academic Administration, will introduce the several deans or their representatives who will present the candidates for degrees in their respective colleges. These, in order of their introduction, are: Dean Horace T. Morse, Ph.D., General College; Acting Dean J. W. Buchta, Ph.D., College of Science, Literature, and the Arts and University College; Dean Athelstan F. Spilhaus, D.Sc., Institute of Technology; Dean Henry Schmitz, Ph.D., College of Agriculture, Forestry, Home Economics, and Veterinary Medicine; Dean Wesley E. Peik, Ph.D., College of Education; Dean R. L. Kozelka, Ph.D., School of Business Administration; Professor Earl B. Fischer, Ph.D., College of Pharmacy; Dean Maynard E. Pirsig, LL.B., Law School; Dean Harold S. Diehl, M.D., College of Medical Sciences; and Dean Theodore C. Blegen, Ph.D., Graduate School. All degrees will be conferred by President James Lewis Morrill. Immediately afterward, certificates and diplomas will be presented by each dean to the graduates of his college.

CONFERRING OF THE DEGREE OF DOCTOR OF PHILOSOPHY: Candidates for this degree will be presented individually by Dean Theodore C. Blegen to President James Lewis Morrill, who will confer the degrees.

"HAIL! MINNESOTA," the University's alma mater song: The audience and Mr. Roy A. 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.

RECESSIONAL: Associate Professor Arthur B. Jennings, University Organist.
Trumpet Tune - - - - - Purcell

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

Candidates for Commissions

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

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Second Lieutenant, Artillery

Michael D. Lysne, Crookston

Second Lieutenant, Corps of Engineers

Richard K. Lenci, Virginia

Second Lieutenant, Ordnance Corps

Allen M. Paulson, Houston

Second Lieutenant, Signal Corps

Melvin W. Hamel, St. Paul

Henry Iverson, Minneapolis

Second Lieutenant, Transportation Corps

Charles D. Kelchan, Des Moines, Iowa

DEPARTMENT OF NAVAL SCIENCE

Ensign, USN

Norman LeRoy Giorgini, Fergus Falls

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

Clifford Herman Barstow, Brainerd
Robert Adam Bauman, Sherburn

Clinton Benjamin Bergman, Minne-
apolis

Gloria Jean Bliss, Minneapolis
 Daniel Edward Burstein, St. Paul
 Patrick J. Connaker, St. Paul
 George Francis Cook, Jr., Hopkins
 William John Cook, Minneapolis
 Kenneth Winston Danielson, Minneapolis
 LeRoy Carroll Edenloff, Osakis
 Robert Joseph Falvey, St. Paul
 Orville Archibald Forman, Academy, S.D.
 Charles David Grant, Faribault
 John Lawrence Grice, Minneapolis
 Louis Betz Hauser, St. Paul
 Gordon Phillip Hultquist, Minneapolis
 Joshua F. Hurd, Minneapolis

Joan Karen Jayne, Minneapolis
 Frederick Heath Kellogg, Minneapolis
 Keith Douglas Kennedy, Minneapolis
 David John Mackey, Minneapolis
 Jack M. Pearce, Minneapolis
 Eugene Earl Pearson, Minneapolis
 DeLores Mildred Peterson, St. Paul
 Charles Bartson Rodger, Minneapolis
 Kenneth George Rude, Crookston
 Donald William Swanson, St. Paul
 John Byron Thorpe, Luverne
 William Grant Tolle, Minneapolis
 Herschel Lawrence Wilson, Jr., Minneapolis
 Jack A. Witt, Minneapolis
 Richard Lane Zellman, St. Paul

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Richard Arthur Anderson, Minneapolis
 James Francis Aylward, Minneapolis
 Howard Edward Bergman, Minneapolis
 Lois Myra Bix, Minneapolis
 Marilyn Lee Cowden, Mankato
 Floyd Allen Dahl, Mound
 Dearel Burton DePew, Minneapolis
 Wayne Allen Dickson, Sioux City, Iowa
 Ford Gordon Elliott, Jr., Minneapolis
 Paul Joseph Ewing, Rochester
 Patricia Farnham Gillen, New Canaan, Conn.
 Marilyn Louise Graaf, Minneapolis
 Keith Duane Johnson, St. Paul

Muriel Hanson Juers, Duluth
 Kurt Kornreich, St. Louis Park
 Raymond Eugene Krull, St. Paul
 Ardwin Guido Link, Minneapolis
 William H. Lipschultz, St. Paul
 Cynthia Lorraine Mealey, Minneapolis
 Richard Norman Meyer, St. Paul
 Ada Marcia Michaels, Owatonna
 Elayn "G" Michelsen, Minneapolis
 Howard Palmer Naegele, Minneapolis
 Warner James Olson, Minneapolis
 James Wallace Paradise, Minneapolis
 Ervin Francis Pettis, Excelsior
 Russell James Reed, Minneapolis
 Joan Helen Rush, Minneapolis
 Lee Roger Schuck, Minneapolis

Bachelor of Arts

Loring Alfred Abrahamson, Minneapolis
 John Quincy Adams, Jr., St. Peter
 Benedict Louis Ahmann, Jr., St. Paul
 Richard Earl Allen, A.A., St. Paul
 Howard Jerome Anderson, Minneapolis
 Alton LaVerne Ashley, A.A., Austin

Edward W. J. Avey, B.D., Dorking, England, MAGNA CUM LAUDE
 Stuart Burman Bailey, Minneapolis
 Henry Elmer Bakkila, Jr., Duluth
 Leonard F. Benson, Minneapolis
 Phyllis Laurie Berdt, Minneapolis, MAGNA CUM LAUDE
 James Miller Bloxam, St. Paul

Donald Leonard Bluhm, Bertha
 Hubert Frank Boeddeker, Minneapolis
 Jeanne Turner Brennan, Minneapolis
 Robert Eugene Britton, Minneapolis
 Thomas Charles Campbell, St. Paul,
 CUM LAUDE
 James Edward Carney, Polson, Mont.
 Joyce Marjorie Carroll, Minneapolis
 William Richard Carter, Jr., Minneapolis
 Frances Patricia Clements, Mankato
 Donna Marie Conley, Owatonna
 Joan Ruth Cox, Minneapolis
 Curtis Clyde Crumlett, Minneapolis
 James Anthony Curry, Rogers
 Robert Filip Dahlman, Minneapolis
 Thomas Michael Dillon, Minneapolis
 Daniel A. Dufresne, St. Paul
 James Frederick Duncanson, Winne-
 bago
 Robert Dean Eklund, St. Paul
 Rodney Earl Engelen, Wessington
 Springs, S.D., MAGNA CUM LAUDE
 Warren Joseph Epple, New Ulm
 Henry William Ernst, St. Paul
 Frederick William Farah, Minneapolis
 Sally Ann Feit, St. Paul
 Irving Fink, Minneapolis
 James Edward Ford, Minneapolis
 Daniel Wyman Fourre, St. Paul
 Ernest H. Fremont, Jr., Minneapolis
 Donald Lew Gale, Fairmont
 John William Geske, Minneapolis
 Mark Joseph Gill, Minneapolis
 Linus J. Glatzel, Chaska
 Donald Arthur Grandquist, Parkers
 Prairie
 Gordon Albert Grant, St. Paul
 Conrad Eugene Graves, Jr., A.A., St.
 Paul
 Richard Alan Gray, St. Paul
 Ellison Capers Grayson, Jr., St. Paul
 William Fraser Greer, Minneapolis
 Lee Martin Griffin, Minneapolis
 Robert Herbert Griffis, Minneapolis
 Dixie Ruth Haas, Rochester
 John Baldwin Hanscome, Minneapolis
 Elizabeth Anne Boughton Hanson,
 Red Lake Falls
 Robert Andrew Hanson, Minneapolis
 Wallace Hugh Hanson, Minneapolis
 Warren Thomas Hanson, A.A., Canby
 Russell James Hatling, Minneapolis
 Dale Allison Hauck, Kandiyohi
 Joan Dolores Held, A.A., Red Wing
 Nancy Wood Hurley, Excelsior
 Barbara Ruth Huskins, Minneapolis,
 MAGNA CUM LAUDE
 Hiroshi Ige, Honolulu, T.H.
 Frank Fukumi Ishikawa, Minneapolis
 Thomas Winfield Jacobsen, Minne-
 apolis
 Dewain Clifford Johnson, Fairmont
 Edward Charles Johnson, Minne-
 apolis
 Harry James Johnson, Crosby
 Richard Charles Johnson, St. Paul
 Lillian Viola Jondal, Hayfield
 Clifton Samuel Jordan, Minneapolis
 James Kanel, Minneapolis
 Richard Eugene Kelly, Minneapolis
 Lawrence James Kennedy, Minne-
 apolis
 Donald Claude Kent, Excelsior
 Edward Victor Kiernan, Jamestown,
 N.D.
 James Ray Kiland, Thief River Falls
 Arthur Philip Kircher, Graceville
 Russell Arthur Knudson, Minneapolis
 Olga Helen Koscak, Chisholm
 Frederick Albert Kranstover, St. Paul
 Donald Clare Lamb, Minneapolis
 Donna Rae Lambert, Minneapolis
 Eugene Ralph LaVague, St. Paul
 Carol Sovde Letch, Minneapolis, CUM
 LAUDE
 John Horace Libby, St. Paul
 Irving Lifson, Minneapolis
 Cecil Maurits Lindblom, A.A., Th.B.,
 Kerkhoven
 Janet Irene Lipscomb, Minneapolis
 Earl Clement Malm, A.L.A., St. Paul
 William James Maple, Minneapolis
 Kay Kazuyuici Matsumoto, Sacra-
 mento, Calif.
 George Charles Mayoue, Jr., Fargo,
 N.D.
 John Geddes McCullough, A.A.,
 Minneapolis

John Conrad McLaughlin, St. Paul
 John Gilbert McLearn, Minneapolis
 Doris Anderson Meloy, Minneapolis
 Leo Melzer, Minneapolis
 Dudley Howard Miller, International Falls
 Douglas Edgar Mitchell, Minneapolis
 Truman Moyer, Elk River
 Marjorie Carlene Mueller, Luverne
 Eleanor May Munyer, Williston, N.D.
 Frank Everett Nelson, A.A., North Branch
 V. Owen Nelson, Jr., Minneapolis
 Sheldon Paul Norman, Minneapolis
 Audrey Joan Oehler, St. Paul
 Leland Douglas Peterson, Minneapolis
 Abraham Pogoler, St. Paul, MAGNA CUM LAUDE
 Bruce Robert Priest, St. James
 Carolyn Ann Quay, Wayzata
 A. J. Ramee, New York, N.Y.
 Ralph Marilyn Ramlow, Minneapolis
 Vern Harold Ranney, Granite Falls
 Nancy May Ratcliff, Minneapolis
 Harold Emil Remus, Great Falls, Mont., CUM LAUDE
 Clark Harland Rice, Minneapolis
 Margaret Jean Rich, Robbinsdale
 Vincent Norman Roan, Minneapolis
 Dick L. Robertson, Wadena
 Orvil Malcolm Roetman, Palmer, Alaska
 Mary Elizabeth Sadler, Minneapolis
 Dorothy Agnes Savchuck, B.S., Minneapolis, MAGNA CUM LAUDE
 Raymond Edward Schultz, Appleton
 Noreen Gladys Scott, Minneapolis
 Frank Gregory Semanko, Jr., A.A., Minneapolis
 Glenn Wayne Shaffron, St. Paul
 Kenneth Lewis Shimota, A.L.A., Minneapolis
 Bruce Raymond Shobaken, Minneapolis
 John William Snyder, Minneapolis, MAGNA CUM LAUDE
 Roger Don Stephens, St. Paul
 Basil Manly Stevenson, Jr., A.A., Fulda
 Barbara Lee Stoetzel, Litchfield
 Nick S. Subak, Minneapolis
 Margaret Genevieve Tenold, Minneapolis
 Elma Louise Thompson, Marshalltown, Iowa
 Robert John Tracy, St. Paul
 Willard Dale Wagner, Lakefield
 Wallace Jerome Walter, Cobden
 Alma Jane Warren, Minneapolis, MAGNA CUM LAUDE
 Forrest Walter Watson, Red Wing
 Richard Franklin Weatherman, Minneapolis
 Wilson Langford Wells, Jr., Wahkon
 Dale Richard Wikman, Minneapolis
 N. Rae Wilk, Minneapolis
 David Caldwell Williams, Minneapolis
 David Scofield Williams, Rochester
 Elmer Royce Williams, A.L.A., Clinton
 Eunice Edith Wilson, Minneapolis
 Albert John Wilwerding, Minneapolis
 Anthony Michael Zlonis, Mountain Iron

Bachelor of Science

Beverly A. Bornhofen, Minneapolis

Bachelor of Science in Library Science

Norma Astrid Birkland, B.A., Minneapolis
 Joyce Marjorie Carroll, Minneapolis
 Walter Adolph Hartland, B.A., Minneapolis

UNIVERSITY COLLEGE

Bachelor of Arts

Charles David Kelehan, Des Moines, Iowa
Margaret Christine Robertson, A.A., Great Falls, Mont.
Harold Marvin Okinow, St. Paul
Monroe Mandell Tapper, Minneapolis

Bachelor of Science

John George Dill, Jr., Wabasha

INSTITUTE OF TECHNOLOGY

Bachelor of Science

Robert Kenneth Draving, Minneapolis

Bachelor of Aeronautical Engineering

George Michael Badalich, South St. Paul
Roy Lars Arne Jorgensen, Duluth
Arthur William Erickson, Minneapolis
Donald Anthony Kelly, Minnesota City
James Winslow Fewel, Minneapolis
Edward Harry Leech, Jr., Enderlin, N.D.
Milton Saul Glazer, Revere, Mass.
John Woodrow Highberg, Duluth
Paul Jay Schock, Minneapolis
Robert Helmer Johnson, LaCrosse, Wis.
Gordon Wendell Trulson, Willmar

Bachelor of Agricultural Engineering

Abba Joseph Knox, St. Paul
Jesse Herbert Pomroy, Jr., St. Paul

Bachelor of Architecture

Lewis Gale Abels, Cherokee, Iowa,
WITH DISTINCTION
Peter Louis Racchini, Eveleth
John Gunnar Rauma, B.S., Virginia,
WITH HIGH DISTINCTION
Richard Morris Beard, St. Paul
Edward August Schliek, St. Paul
Robert Louis Dunn, St. Paul
William Wilcox Scott, Minneapolis
James Francis Horan, Minneapolis
John Christian Torseth, St. Paul
James Bernard Horne, Austin
Mark Frederick Winsor, Red Wing
Robert Thomas Jackels, St. Paul

Bachelor of Chemical Engineering

John Albert Clint, New Boston, Ill.
Robert James McTaggart, Bemidji
Richard Blackmore Keely, Minne-
Allen Merle Paulson, Houston, WITH
apolis, WITH DISTINCTION
HIGH DISTINCTION

Norman Roy Sefer, Pine City, WITH
DISTINCTION

Robert Neal Tennyson, Minneapolis
Jerold Miles VanOrden, St. Paul

Bachelor of Chemistry

John Cornell Halverson, Willmar

Bachelor of Civil Engineering

Benjamin Franklin Bambenek, Jr.,
Iron Mountain, Mich.

Keith Pride Caswell, Jr., Minneapolis

George Allen Eckland, Duluth

Peter John Feider, St. Paul

Milton R. Jewell, Rochester

Lucius Barnard Lackore, Minneapolis

Ralph Price Lockwood, Minneapolis

Gordon Waldo Madsen, Minneapolis

Fredrick William Marpe, Albert Lea

William Turnham Mills, Hopkins

Allan Lawton Peterson, Owatonna

John Theodore Schevenius, Excelsior

Harlan Ernest Schmidt, Mankato

Bachelor of Electrical Engineering

Keith Joseph Allard, St. Paul

Cameron Durwood Anderson, Minne-
apolis

Charles Burton Barnett, Minneapolis

James Otto Batzli, Excelsior

John William Beck, St. Paul, WITH
HIGH DISTINCTION

Roger Roy Bettin, Lakefield, WITH
DISTINCTION

John Carl Brnetich, Newberry, Mich.

Wayne Curtis Carlson, Welch

Earl Mark English, St. Paul

Richard George Estlund, Cloquet

Jack Elmer Horgan, Duluth

Samuel Hudgins, Hibbing, WITH HIGH
DISTINCTION

Richard Owen Kerr, Minneapolis

Otto William Klingner, Jr., St. Paul

Donald Vinton Knapp, Minneapolis

Alvin Henry Koenig, Buffalo Lake

John Anthony Konkel, St. Paul, WITH
DISTINCTION

Kenneth Burton Krantz, Circle Pines

Donald Frederick Lane, St. Paul

Oscar Edwin Larsen, Buhl

John Philip Larson, Cass Lake

Louis John Mayer, St. Paul

James Edward Micklos, Minneapolis

Michael James Monico, Nashwauk

Thomas Edward Nash, Minneapolis

Morris Arnold Ostgaard, Climax

Richard Allen Peterson, Minneapolis

Francis Roman Rausch, Cold Spring,
WITH DISTINCTION

Donald Edward Reichert, St. Paul

Joseph Vincent Riordan, Minneapolis

Arlin Jeroy Rude, Minneapolis

Mortimer Carlton Sheffloe, Crookston

Milton George Shelquist, Clearbrook

Hubert Elmond Soland, Svea

Thomas G. Spargo, Minneapolis

Benjamin Joseph Stables, Jr., St. Paul

Robert Charles Swanson, Pelican
Rapids

Charles Arthur Talle, Eveleth

Ernest Earl Thompson, Milroy

Kenneth Earl Underwood, Minne-
apolis

Edward Russell Van Krevelen, Minne-
apolis

John Henry Wartti, St. Paul

Paul Herbert Welshinger, Anoka

Gerald Ivar Williams, Cannon Falls

Bachelor of Mechanical Engineering

Isik Barim, Canakkale, Turkey
John Jacob Beck, Minnetonka Beach
Arthur Richard Beckstrom, Jr., St. Paul
Herman Franklin Bergman, Madison
John Bott Bjostad, Cambridge
Roger Dennis Borgeson, Duluth,
WITH DISTINCTION
Otto Andreas Borgnes, Baerum, Norway,
WITH DISTINCTION
Thomas Roy Bowler, Minneapolis
Marlowe Floyd Bullis, St. Paul
Robert Nicholas Buschell, Bemidji
Howard Randall Carter, Minneapolis
Wayne Leslie DeTuncq, Minneapolis
Charles Michael Eilenfeldt, Mankato
Frank George Filas, Minneapolis
Raymond Engh Gullickson, Spring Valley
Virgil Dean Gulliford, St. Paul
Victor Eugene Heinrich, Delavan
Byron Dean Johnson, Superior, Wis.,
WITH DISTINCTION
John Joseph Jordan, Minneapolis
Robert Fleming Kreuer, Mankato,
WITH DISTINCTION
Russell William Kuehl, Albert Lea
Denny B. Law, Winona
Arnold Paul Lieberman, Pocatello, Idaho,
WITH DISTINCTION
Roger George Lind, Minneapolis
James Christopher Lund, St. Paul
Harry Richard McClain, Minneapolis
Phillip Van Tassel Nelson, B.B.S.,
Minneapolis
Victor Richard Nelson, St. Paul
Elwyn H. Olson, St. Paul
Raymond B. Ongstad, Hovland
George Bruce Paddock, Oak Park
Robert Emmons Paul, St. Paul
Lennart Thorwald Pearson, South St. Paul
Frank Joseph Pruss, South St. Paul
John Eugene Reagan, Minneapolis
Paul Norbert Rick, Minneapolis
William Alfred Saunders, Minneapolis
Fred Edward Schaer, Minneapolis,
WITH DISTINCTION
Vertner John Skretting, Minneapolis
Earl G. Sliper, Alexandria
Wayne Arnold Solie, Minneapolis
William Wenzel Stevenson, St. Paul
Ruben William C. Stubenberg,
Minneapolis
Robert George Walker, Hibbing
Donald Albert Wall, Minneapolis
Richard Charles Walsh, St. Paul
Norbert A. Wermerskirchen, St. Paul
Gordon Alfred Westerberg, St. Paul
Frederick Martin Zimmermann, Milwaukee, Wis.

Bachelor of Metallurgical Engineering

William V. Jokela, Ely
Jerome Arthur Seward, St. Paul
Hans Richard Stephan, Bloomer, Wis.
Paul Allen Wasson, Coleraine

Bachelor of Mining Engineering

Warren Don Bell, Kilbourne, Ill.

Bachelor of Physics

Fredric Lewis Boos, Jr., Minneapolis,
WITH DISTINCTION
David Kenroku Seto, Minneapolis

COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

- Margery Georgeanne Alwin, Minneapolis, Home Economics
Alson Richard Anvid, Blackduck, Agriculture
Andrew G. Bartlett, Jr., St. Paul, Forestry
Richard William Behmler, Morris, Agriculture
LeDell Bowen, South St. Paul, Forestry
Donavon Eugene Broberg, Eagle Bend, Agriculture
Robert T. Brown, Eden Prairie, Agriculture
Corinne Elizabeth Bush, Minneapolis, Home Economics
Burniece Beth Camenker, Duluth, Home Economics
Martin K. Christiansen, Slayton, Agriculture
Barbara Ann Coleman, A.A., Minneapolis, Home Economics
Eugene Lester Coyer, Mankato, Forestry, WITH DISTINCTION
Harold Seth Crawford, Beaver Creek, Agriculture
Ruth Mayham Dahlgren, Minneapolis, Home Economics
Darrell Anton Dietz, Balsam Lake, Wis., Science Specialization
Cecil Wilfred Dunn, Minneapolis, Agriculture
John Andreas Ely, White Bear Lake, Agriculture
Janet Rollins Erickson, Minneapolis, Home Economics
Conrad Emery Feero, Jacobson, Forestry, WITH DISTINCTION
Calvin David Fisher, Nerstrand, Agriculture
Helen Jean Fuller, Redwood Falls, Home Economics, WITH DISTINCTION
Noel Homer Goss, Lewiston, Agriculture
Donald Louis Hanson, Litchfield, Agriculture
Harlan Keith Hatfield, Finlayson, Agriculture
Bruce Jolliffe Hayward, Pine Island, Fish and Wildlife Management
William Clark Hickling, Jr., Moose Lake, Fish and Wildlife Management
Paul Herman Ivers, Bemidji, Agriculture
Helen Irene Jackman, Aitkin, Home Economics
Margaret Adele James, Minneapolis, Home Economics
Howard Helmer Johnson, Minneapolis, Agriculture
Helen Dortha Kanten, Milan, Home Economics
Theodore "M" Keprios, Pequot Lakes, Forestry
Charles Frederick Knedel, St. Paul, Fish and Wildlife Management
Lucille Jean LaFontaine, Oakland, Calif., Home Economics
James Jerome Lavan, Cloquet, Forestry
Marlys Norlene Lindahl, Minneapolis, Home Economics, WITH DISTINCTION
Franklin Alfred Maki, Kettle River, Agriculture
Michael Marmesh, Austin, Agriculture
Delmer Florian Marsolek, Little Falls, Forestry
Edwin Kallio Max, Forestry
Richard W. McClintick, Brainerd, Forestry
Charles Abel McDonald, Rapid City, S.D., Veterinary Medicine
James Russel Moen, Starbuck, Agriculture
June Nash, A.A., Tracy, Home Economics

Walter Arnold Nelson, Deer River, Forestry	Arthur Gustave Stohl, Dresser, Wis., Agriculture
Mary Ellen Owen, Minneapolis, Home Economics	Clare Eugene Swanson, Minneapolis, Forestry
Marlys Ruth Petersen, St. Paul, Home Economics	Richard James Weiss, Minneapolis, Agriculture
John William Schulz, Madison, Agri- culture, WITH DISTINCTION	George C. Whalen, Stillwater, Agri- culture
Keith Gerald Seaburg, Marble, Fish and Wildlife Management	Gayle Irene Whinnery, Edina, Home Economics
Ronald Dean Seath, Albert Lea, Agri- culture	William Butler Woolstencroft, Birch- wood, Forestry
Vance Charles Setterholm, Clement- son, Forestry	Donald Eugene Young, Minneapolis, Agriculture
James Eugene Sjoldal, Minneapolis, Fish and Wildlife Management	John Fredrick Zachman, Melrose, Forestry

COLLEGE OF EDUCATION

Bachelor of Science

Ralston Stemen Bauer, Ely	Irene Haarstick, Erhard*
John Terry Buckley, Duluth	Casper Evan Hanson, St. Paul
Eldon G. Burdick, Minneapolis	Ruth Leota Hass, G.N., Lake Park, Iowa, WITH DISTINCTION*
Peggy Glynn Carbaugh, Stephens City, Va., WITH HIGH DISTINCTION*	Roger Allen Haugland, Minneapolis
Margaret June Chipman, Chisholm*	Hazel Margaret Heggen, Rothsay, WITH DISTINCTION
Margaret Jean Clipper, St. Paul*	Inez Geneva Helgerson, B.A., Minne- apolis
George John Collias, Minneapolis	Anne Jeanne Hermes, Fairmount, N.D.*
Bonnie Jean Deputy, B.S., Minne- apolis	Shirley Anne Hilborn, B.A., Cedar Rapids, Iowa
Constance Joy DeWilde, Minneapolis, WITH DISTINCTION	Richard George Hoffman, Minneapolis
Walter Warren Edwards, Minneapolis	Jean Lucile Hole, B.A., Shelby, Mont.
Frederic Beecher Engel, Crosby, WITH DISTINCTION	Robert Byron Hosking, Minneapolis
Gerald Meyer Erickson, Amery, Wis.	Doris Marie Huber, St. Paul
Theodore Russell Fisher, Minneapolis	Marcy Glissman Huntsinger, Sibley, Iowa, WITH DISTINCTION
William Charles Gemeinhardt, Mil- waukee, Wis.	Betty Ann Jacobson, Thief River Falls, WITH DISTINCTION*
Patricia Cross Gislason, Minneapolis	Per Rienholdt Jacobson, Minneapolis
Lars Harry Granberg, A.A., Minne- apolis	Eugene David Kampa, Minneapolis
Pearl Lucille Gripenburg, B.A., Remsen, Iowa	Therese C. Kaschmitter, Paynesville
Arnold Lee Grover, Excelsior	Doris Lorraine Kenneth, A.A., Minne- apolis
Geraldine Maxine Gunderson, R.N., Eagle Grove, Iowa*	Wallace Owen Knowles, Minneapolis
George Arthur Haakenson, B.B.A., Minneapolis	Walter Roger J. Kozub, Minneapolis
	John Hubert Kregelberg, Brainerd

* Nursing Education Curriculum.

Arileen Ruth Larson, B.A., Minneapolis

Gloria Mae Larson, Iron River, Mich.*

Barbara Lou Lind, Minneapolis

Orill Arnold Lofgren, Warroad

Ruth Gretchen Lyle, Minneapolis,

WITH DISTINCTION

Emelie Myron Magdanz, Minneapolis*

Robert Williams McKewin, St. Paul

Marilyn May McNutt Methven,

Minneapolis

Jack Wilson Morse, Robbinsdale

Frances Ann Mueller, Minneapolis,

WITH DISTINCTION

Eleanor Teresa Mulhall, Waterbury, Conn., WITH DISTINCTION*

Dona Maureen Murphy, Minneapolis

Lyla LaVonne Niederbaumer, Wecota, S.D.*

Arnold Richard Niemi, Nashwauk

Gerd Virginia Nilsen, Escanaba,

Mich.*

Donald Allan Olson, A.A., Virginia

Donald John Olson, Minneapolis

Donald Robert Ostrum, Robbinsdale

Stanley Milton Paulson, A.A., Albert Lea

Esther L. Reitz, R.N., Seattle, Wash.,

WITH DISTINCTION*

Howard Loren Ronning, A.A., Minneapolis

James William Ryan, St. Paul

Dorothy Ellen Sager, Minneapolis

Robert William Sawyer, B.A., Minneapolis

Carol Louise Schmid, Eden Valley

Gordon Leon Simonson, St. Paul

Kathleen Rose Spillane, Minneapolis

Elizabeth Claire Stenholm, St. Paul

Judith Ann Stirneman, A.A., Winona

Janet Ruth Studer, Austin

Audrey Faye Tanquist, Alexandria*

Helen Rose Tieszen, B.A., Marion, S.D.

Chester Stephen Tomczyk, Minneapolis

Eileen Florence Vogt, St. Paul

Elaine Vernice Wallin, Minneapolis*

Carl Barnard Wenell, Minneapolis

Roger E. Westman, Excelsior

Donald Jess Weydt, Minneapolis

Edna May Wlodkowski, St. Paul*

Marie A. Woizeschke, Windom*

Ardys Johnson Wolinski, B.B.A., Minneapolis

John William Workman, Jr., B.A., St. Paul

Bachelor of Science in Library Science

Mavis Evangeline Bly, B.A., Ruthton

Master of Education

Norman Paul Lyght, B.S., St. Paul
May Abby Seavey, B.S., Minneapolis

Frank Wallace Wolinski, B.S., Minneapolis

COLLEGE OF EDUCATION AND COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Science

Erhard Emil Alms, Red Wing, Agricultural Education

Hans Henry Behrens, Madison, Agricultural Education, WITH DISTINCTION

* Nursing Education Curriculum.

Caryl Grace Bjorklund, Minneapolis,
Home Economics Education
Paul Edward Duea, Story City, Iowa,
Agricultural Education, WITH DISTINCTION
Anne Pedersen Fisker, Minneapolis,
Home Economics Education
Jean Carolyn Fletcher, St. Louis Park,
Home Economics Education, WITH DISTINCTION
Doris Mae Johans, St. Paul, Home Economics Education

Ramsey Paul Johnson, Lynd, Agricultural Education
Rosemary June Mithun, Steen, Home Economics Education
Marilyn Lois Olson, Minneapolis, Home Economics Education
Edmund C. Sand, New Munich, Agricultural Education, WITH DISTINCTION
John M. Smith, Rochester, Agricultural Education
Charlotte Wangenstein, Chisholm, Home Economics Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Frederick Willard Abrahamson, Minneapolis
Lloyd Allan Amundson, Henning
Keith Anderson, Fargo, N.D.
Alvin G. Apple, St. Paul
Herman Jerome Bjercknes, Conyick
August Hanna Blegen, Minneapolis
Kent Hubbart Bolsta, Ortonville,
WITH DISTINCTION
Frederick William Brass, A.L.A.,
White Bear Lake
Herald Immanuel Carlson, Corvuso
Richard Allen Carlson, St. Paul
James John Crowley, Minneapolis
Lawrence Joseph Dahl, B.M.E.,
Minneapolis
Sylvia Jane Dokken, Minneapolis,
WITH DISTINCTION
Robert Walter Dopke, Winona
Karl Michael Dosen, Minneapolis
Roger William Dusbabek, Grand Rapids
Eino Efraimson, Cromwell
Thomas Patrick Enright, Garrison
Donald Lee Eschner, Minneapolis
Russell Thorence Garness, Minneapolis
Marion Carl Giorgini, Fergus Falls
Norman LeRoy Giorgini, Fergus Falls,
WITH DISTINCTION
Wallace Frank Gustafson, B.S.L.,
LL.B., Hector

Harold Gordon Haglund, Minneapolis
Howard John Hammes, Wabeno,
Wis.
Russell Schwartz Harmeyer, LeSueur
Vernon Harold Heath, Princeton
Samuel L. Hudgins, Hibbing
Walter August Jaakkola, Jacobson
Harold David Jensen, Minneapolis
Raymond Joel Johnson, Duluth
Curtis Paul Jones, Minneapolis
Donald Albert Juers, Lake City
Edsel Ronald Juntunen, Minneapolis
James Henry Kayser, B.M.E., Minneapolis
Richard Joseph Kruger, B.M.E., St. Paul
Lucius Barnard Lackore, Minneapolis
Roger George Lind, Minneapolis
Richard Lawrence MacDonald, St. Paul
Joseph Walter Malone, Anoka
John Winton Matson, Willmar
Herbert Cecil Mayberry, Wyandotte,
Mich.
Roger Martin Meinholz, Eau Claire,
Wis.
Paul Adolph Michel, Mankato
Michael James Monico, Nashwauk
Edmund Burke Neff, St. Paul
Norman Hamilton Nelson, Jr., St. Paul
Harley D. Nichols, Chatfield

Ray Harris Oleson, Storden
 Vernon Clarence Olson, Red Lake Falls
 Harding C. Pan, Hibbing
 Richard Dean Pankonin, Minneapolis
 George Forrest Pearson, B.M.E., Minneapolis
 Frank Harry Perry, Minneapolis
 Roland Owen Peteler, Jr., Glen Lake, WITH DISTINCTION
 Robert Charles Peterson, Waseca
 Stanley Theodore Peterzen, Little Falls
 John Willard Pring, B.S.L., Minneapolis
 Max Alex Rotenberg, Minneapolis
 James Merritt Ryan, St. Paul
 Donald Howard Schmidt, Frontenac

Ralph Saul Schneider, Minneapolis
 Harold Segal, Minneapolis
 Frederick Andrew Severson, Minneapolis
 Hubert Eugene Sherman, Minneapolis
 Sidney Gerald Shore, Minneapolis
 Jerrold Alan Simon, St. Paul
 Henry Bernhard Slettehaugh, Jr., Minneapolis, WITH DISTINCTION
 Robert Daryl Strathy, Minneapolis
 John Alfred Thomasberg, Minneapolis
 Alvin Rudell Thompson, Minneapolis
 Henry Charles Thompson, St. Paul
 Marian Sylvia Thomson, Winona
 Edwin John Turnquist, Minneapolis
 Clayton Glenn Waller, Twin Valley
 Howard Russell Zesbaugh, Minneapolis

Bachelor of Science in Economics

Jay Sherman Daniels, Des Moines, Iowa

SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF AGRICULTURE, FORESTRY, HOME ECONOMICS, AND VETERINARY MEDICINE

Bachelor of Agricultural Business Administration

H. Harlow Thompson, Climax

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Earl Stanley Freeman, St. Paul
 Gordon Stanley Green, Rochester

Merten C. Putnam, Enderlin, N.D.

LAW SCHOOL

Bachelor of Science in Law

Sherman Bergstein, Duluth
 Joseph Anthony Cipollone, Hibbing
 Harold Gordon Lind, Minneapolis
 Peter Earnest McErlane, St. Paul
 Donald Burdette Nold, Parker, S.D.

James William Ronning, B.S., St. Paul
 Paul Martin Ruhr, St. Paul
 David Keller Wendel, Milwaukee, Wis.

Bachelor of Laws

- Robert Charles Bell, B.S.L., St. Paul
Sherman Bergstein, Duluth
Robert Henry Brodt, B.S.L., Fairmont
Conrad James Carr, B.S.L., Minneapolis
Richard Clayton Cross, B.S.L., Minneapolis
Curtis Paul Jones, Minneapolis
Robert John Lemm, B.S.L., St. Paul
Allan Roger Lund, B.S.L., Minneapolis
Lochiel Winston MacDonald, B.S.L.,
Hawley
Albert Harry Michals, B.S.L., Minneapolis
Gene Allen Mold, St. Paul
Donald Clayton Odden, B.S.L.,
Duluth
John Willard Pring, B.S.L., Minneapolis
- Alex G.B. Radcliffe, B.S.L., St. Paul
Charles Clifford Reischel, B.A., B.S.L.,
St. Paul
William Joseph Riegger, B.S.L.,
Benson
James William Ronning, B.S., St.
Paul
Homer Arvid Saetre, B.S.L., Henning
Roy A. Schwappach, B.S.L., Minneapolis
LaMont Anthony Seifert, B.S.L.,
Minneapolis
Irving Shaw, B.S.L., St. Paul
John Joseph Todd, B.S.L., South St.
Paul
Robert Carl Tuveson, B.S.L., St.
James
John E. Von Holtum, B.S.L., Lismore

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing*

- Margaret June Chipman, Chisholm
Ruth Allene Deeter Davis, Rolette,
N.D.
Betty Ann Jacobson, Thief River Falls
Kathryn Anne Nelson, Dresser, Wis.
- Gerd Virginia Nilsen, Escanaba,
Mich.
Sally Caro Spooner, Watertown, S.D.
Elaine Vernice Wallin, Minneapolis

Bachelor of Science

- Margaret Helen Angle, Minneapolis,
Medical Technology, WITH DISTINC-
TION†
Eva Kate Belflower, B.A., Tifton, Ga.,
Public Health Nursing
Muriel Louise Bell, Minneapolis,
Medical Technology†
Virginia Laurel Blackmore, St. Paul,
Medical Technology†
- Lois Jacobsen Bohnhoff, R.N., Free-
born, Public Health Nursing
Winifred Fox Bradford, R.N., Toledo,
Ohio, Public Health Nursing
Eva Berentzen Brown, Crookston,
Public Health Nursing, WITH DIS-
TINCTION

* These degrees are conferred subject to the satisfactory completion of nursing practice prior to March 22, 1951.

† These degrees are conferred subject to satisfactory completion of required practical work prior to March 22, 1951.

- MaryJane Elizabeth Davidson, St. Paul, Physical Therapy, WITH DISTINCTION
- Ruth Allene Deeter Davis, Rolette, N.D., Public Health Nursing
- Marit Moe Droivoldsmo, Farsjost, Norway, Public Health Nursing
- Betty Marianna Hallberg, Hopkins, Medical Technology†
- Evelyn Carolyn Hoffman, G.N., Great Falls, Mont., Public Health Nursing, WITH DISTINCTION
- Elaine Carson Huseth, Wheaton, Ill., Public Health Nursing, WITH DISTINCTION
- Helen Irene Jensen, Hutchinson, Medical Technology†
- Carolyn Edelle Johnson, Minneapolis, Medical Technology†
- Marjorie Marie Kellogg, Yorkville, Ill., Public Health Nursing
- Elaine Elizabeth Korhonen, G.N., Annandale, Public Health Nursing
- Johanna Mary Legierski, Minneapolis, Public Health Nursing
- Julianna Mary Legierski, Minneapolis, Public Health Nursing
- Arlene Frances McKercher, Minneapolis, Public Health Nursing, WITH DISTINCTION
- Kathryn Anne Nelson, Dresser, Wis., Public Health Nursing
- Peter John Odenbrett, Melrose, Medical Technology†
- Rose Rita O'Toole, Rochester, Medical Technology†
- Dorothy Louise Peterson, Duluth, Public Health Nursing, WITH DISTINCTION
- Romelle Marian Pozniak, A.S., Virginia, Medical Technology†
- Annabel Regelman, Cable, Wis., Occupational Therapy, WITH DISTINCTION
- Edith Kathryn Russell, Midlothian, Texas, Medical Technology†
- Janet Bauer Schultz, St. Paul, Medical Technology†
- Eula Marie Spohn, Windom, Kans., Public Health Nursing
- Sally Caro Spooner, Watertown, S.D., Public Health Nursing
- Bernita Margaret Steffl, R.N., Wells, Public Health Nursing
- Genevieve Berte Swanson, North St. Paul, Medical Technology†
- Carol Bodell Tveit, G.N., R.N., Otho, Iowa, Public Health Nursing
- Olive Louise Walker, Hutchinson, Public Health Nursing, WITH DISTINCTION

Master of Public Health

- Dora Mildred Bailey, B.S., Rochester, N.Y.
- Eunice Arline Claus, B.S., Ferguson, Mo.
- Mildred Irean French, B.A., Indianapolis, Ind.
- Lucille Giovando, B.A., B.Ap.Sc., Ladysmith, B.C., Canada
- Otto Kuscher, Jr., B.S., M.Ed., Irvington, N.J.
- Jennie Henriette Scheie, B.S., Minneapolis
- Lidwina Katherine Suek, R.N., B.S., Minneapolis
- Janet Campbell Thompson, B.S. in Ed., Terre Haute, Ind.
- Betty Telford Wells, B.S., Cleveland, Ohio
- Muriel Morgan Young, R.N., B.S., Minneapolis

† These degrees are conferred subject to satisfactory completion of required practical work prior to March 22, 1951.

GRADUATE SCHOOL

Master of Arts

Melvin David Asch, Brooklyn, N.Y.
B.S. '49, University of Illinois. Field of Concentration: Political Science.

Sylvia C. Besser, Minneapolis
B.S. '40, University of Minnesota. Field of Concentration: Social Work.

Paul Prehn Bey, Mason City, Iowa
B.Phys. with distinction '48, University of Minnesota. Field of Concentration: Physics.

Harvey Burdick, Brooklyn, N.Y.
B.A. *cum laude* '49, Syracuse University. Field of Concentration: Psychology.

Howard Orville Buska, Benson
B.S. '45, St. Cloud State Teachers College. Field of Concentration: Educational Administration.

John Munson Cook, Austin
B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: Psychology.

John Edward Corrigan, Albert Lea
B.A. *cum laude* '49, St. John's University. Field of Concentration: Economics

Roy Clinton Dalton, St. Paul
B.A. '49, Bethel College (St. Paul, Minn.). Field of Concentration: History.

William Gordon Devitt, Loreburn, Saskatchewan, Canada
B.A. '41, B.Ed. '42, University of Saskatchewan. Field of Concentration: Educational Psychology.

Evelyn L. Evans, Marshall
B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: International Relations.

Robert Ernest Fagen, Minneapolis
B.A. *magna cum laude* '49, University of Minnesota. Field of Concentration: Mathematics.

Harvey Julius Feierabend, Grey Eagle
B.S. with distinction '47, University of Minnesota. Field of Concentration: Industrial Education.

Shih Hsuan Feng, Peiping, China
B.S. '44, Yenching University. Field of Concentration: Physics.

Jacob Lester Foreman, Hull, Iowa
B.A. '46, Western Union College. Field of Concentration: Educational Administration.

Kenneth DeWitt Garlock, Bemidji
B.A. *cum laude* '48, University of Minnesota. Field of Concentration: Political Science.

Harold Orbeck Goodman, Minneapolis
B.A. '48, University of Minnesota. Major: Zoology. Minor: Biostatistics. Thesis: Mutation Rate of the Gene for Fibrosis of the Pancreas.

Violet Greenberg, New York, N.Y.
B.S. *magna cum laude* '47, Queens College. Field of Concentration: Child Welfare.

Victor A. Gunn, Indianola, Iowa
B.A. '41, Simpson College. Major: Educational Psychology. Minor: Education. Thesis: A Basic Counseling Service for a Small City School System (Sheldon, Iowa).

Thomas Noble Helvig
B.A. '49, University of Minnesota. Field of Concentration: Statistics.

Ivar Vidrik Ivask, Minneapolis
Cand. Phil. '49, Philipps University (Germany). Major: German. Minor: Art. Thesis: Gottfried Benn as Poet.

Frederick Raymond Jahn, Minneapolis
B.A. '47, University of Minnesota. Field of Concentration: Political Science.

Murray Clemens Johnson, St. Paul
B.S. '43, University of Minnesota. Field of Concentration: Educational Psychology.

Joseph Thomas Kenneally, Minneapolis
B.A. *cum laude* '49, University of Minnesota. Major: Political Science. Minor: Economics. Thesis: The Regime of the European International Waterways between World War I and World War II.

John Andrew Knutson, Minneapolis
L.L.B. '49, University of Minnesota. Field of Concentration: Business Administration.

David Lomen Koefod, Minneapolis
B.Ed. '35, Bemidji State Teachers College.
Field of Concentration: Economics.

Arne Lawrence Kowalzek, Little Falls
B.S. '42, St. Cloud State Teachers College.
Field of Concentration: Curriculum and Instruction.

Robert B. Krueger, Bayport
B.S. '49, River Falls State Teachers College.
Field of Concentration: Educational Administration.

David Arthur Leonard, Lincoln, Neb.
B.A. '49, Grinnell College. Field of Concentration: Psychology.

Fred Emil Lukermann, Minneapolis
B.S. with high distinction '48, University of Minnesota. Field of Concentration: History.

Duane Richard Lund, Staples
B.A. cum laude '47, Macalester College. Field of Concentration: Educational Psychology.

George Pete Makas, Minneapolis
B.A. '44, University of Chicago. Field of Concentration: Music.

Helen S. Manheimer, New York, N.Y.
B.A. '48, Queens College. Field of Concentration: Child Welfare.

Willard Charles McKinny, Litchfield
B.A. '41, Augsburg College. Field of Concentration: Educational Administration.

Charles Williams Miller, Fond du Lac, Wis.
B.S. '48, Marquette University. Field of Concentration: Economics.

Vera Marianne Millington-Herrmann, Berlin, Germany
Graduate '48, Heidelberg University. Field of Concentration: Educational Psychology.

Harvey Mitchell, Winnipeg, Manitoba, Canada
B.A. with honors '49, University of Manitoba. Major: History. Minor: Political Science. Thesis: Some Aspects of French Peace Thought from the Dreyfus Affair to 1914.

Dorothy Elaine Mudge, Minneapolis
B.Ed. '36, Duluth State Teachers College. Field of Concentration: Curriculum and Instruction.

Earl Warren Mundt, Epping, N.D.
B.S. in Ed. '40, University of North Dakota. Field of Concentration: Speech.

Katherine Bye Murphy, Hibbing
B.A. '49, University of Minnesota. Field of Concentration: Speech.

Shirley Frances Orton, Walker
B.S. '47, Bemidji State Teachers College. Field of Concentration: Zoology.

Donald Robert Peterson, Minneapolis
B.A. *summa cum laude* '48, University of Minnesota. Field of Concentration: Psychology.

Samuel Keller Pollock, Hopkins
B.A. '40, Williams College. Major: Philosophy. Minor: English. Thesis: The Humanism of Irving Babbitt.

George McCutchan Powell, Fayetteville, Ark.
B.A. '49, University of Arkansas. Field of Concentration: Economics.

John Hamelin Powers, Robbinsdale
B.A. '47, College of St. Thomas. Field of Concentration: Psychology.

Shirley Marie Prellwitz, Minneapolis
B.S. '48, University of Minnesota. Field of Concentration: American Studies.

Joanne Turner Radlow, Louisville, Ky.
B.A. with honors '46, University of Louisville. Field of Concentration: English.

Forrest Rex Reinhardt, Lewiston, Idaho
B.S. '47, University of Idaho. Major: Sociology. Minor: Statistics. Thesis: A Test of Hypotheses Specifically Related to the Cross-Sectional Distribution of Population Densities of Cities.

Roger William Riesgraf, Carver
B.S. '48, Mankato State Teachers College. Field of Concentration: Physical Education.

Constance Ross, Toronto, Ontario, Canada
B.A. '44, University of Toronto. Field of Concentration: Child Welfare.

Rose Marie Service, Houghton, Mich.
B.A. '44, Michigan State Normal College. Field of Concentration: Curriculum and Instruction.

Victor LeRoi Shudlick, Rice Lake,
Wis.

B.Ed. '39, Whitewater State Teachers College.
Field of Concentration: Educational Administration.

Sister Catherine Ann Tauer, St. Paul
B.A. '41, College of St. Catherine. Field of
Concentration: Educational Administration.

Sister St. Teresa Irvine, Minneapolis
B.A. '35, College of St. Catherine. Field of
Concentration: Spanish.

Carleton Herbert Sitz, New Ulm
B.A. '47, Yale University. Field of Concentration: Education.

Bertram Joseph Smith, Hempstead,
N.Y.

Bacc. en Phil. '39, University of Louvain.
Field of Concentration: Psychology.

Paul Stark, New York, N.Y.
B.A. *magna cum laude* '49, Syracuse University. Major: Child Welfare. Minor: Psychology. Thesis: An Attempt to Differentiate Delinquents from Non-Delinquents by Tests of Dominance Behavior, Dominance Feeling, and the Goodenough Drawing of a Man.

Sheldon Stryker, St. Paul
B.A. *summa cum laude* '48, University of Minnesota. Major: Sociology. Minor: Psychology. Thesis: The Socio-Structural Pre-conditions of Anti-Semitism.

William Carl Sundberg, Minneapolis
B.S. '49, University of Minnesota. Field of Concentration: Educational Administration.

Magda Isabelle Talle, Minneapolis
B.S. with distinction '40, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Niels Thorpe, Minneapolis
B.S. '36, University of Minnesota. Major: Scandinavian. Minors: English and History. Thesis: Peter Nielsen's Story. A story of Danish peasant life for American readers.

Arnold Jackson Tingley, Amherst,
Nova Scotia, Canada
B.A. *summa cum laude* '49, Mount Allison University. Field of Concentration: Mathematics.

John Felix Trainor, Minneapolis
B.A. *cum laude* '43, College of St. Thomas. Field of Concentration: Economics.

Master of Business Administration

Arnold Fletcher Hofstad, Duluth
B.S. '41, Northwestern University. Field of Concentration: Business Administration.

Oiva Juho Jaskari, Nurmo, Finland
B.A. '46, Helsinki University; M.A. '48, University of Minnesota. Field of Concentration: Business Administration.

Master of Science

Robert William Berg, St. Paul
B.S. with distinction '41, University of Minnesota. Field of Concentration: Poultry Husbandry.

Julio Bird-Pinero, Santurce, Puerto Rico

B.S. '48, University of Puerto Rico. Major: Plant Pathology. Minor: Horticulture. Thesis: The Fungi Associated with Pepper Wilt in Southern Minnesota.

Bryant William Calrow, Cupertino,
Calif.

B.S. '47, University of Minnesota. Field of Concentration: Dairy Husbandry.

William David Cohen, Minneapolis
B.S. *cum laude* '47, State University of Iowa. Major: Physiological Chemistry. Minor: Organic Chemistry. Thesis: The Effects of Adrenocortical Hormones and of Fasting on the Peptidase Activity of Rat Tissues.

Reynold Paul Dahl, Willmar
B.S. with high distinction '49, University of Minnesota. Major: Agricultural Economics. Minor: Economics. Thesis: An Economic Analysis of Short-term Agricultural Loans of Selected Minnesota Rural Banks.

Homer David Fausch, Crookston
B.S. with high distinction '47, University of Minnesota. Major: Animal Husbandry. Minor: Zoology (Genetics). Thesis: A Study of the Relationship between Inbreeding and Variability in the Minnesota No. 2 Swine.

Robert Ellery Fulmer, Ames, Iowa*
B.S. '46, Iowa State College. Field of Concentration: Organic Chemistry.

Lavaniel Lee Henderson, Washington, Tex.

B.S. in Ag. '49, Prairie View Agricultural and Mechanical College. Field of Concentration: Plant Physiology and Agricultural Botany.

William Edwin Howell, Colborne, Ontario, Canada

B.S. in Ag. '49, Ontario Agricultural College. Field of Concentration: Animal Husbandry.

Mahmoud Adl-Eldin Ibrahim, Tanta, Egypt

B.Sc.Agr. '42, University of Cairo. Major: Plant Genetics. Minor: Botany. Thesis: Cytogenetic Studies of Tertiary Trisomics in Maize Derived from a Translocation Heterozygote.

Bertis L. Jones, West Frankfort, Ill.
B.S. '49, Southern Illinois University. Field of Concentration: Public Health.

Albert William Kranzler, Brookings, S.D.

B.S. '37, University of North Dakota. Field of Concentration: Mathematics.

Miner John Markuson, Jr., Amherst, Mass.

B.S. *magna cum laude* '48, University of Massachusetts. Field of Concentration: Analytical Chemistry.

Ruth Blanchard Wilson, Excelsior

B.A. *cum laude* '40, B.S. '42, University of Minnesota. Field of Concentration: Geology.

Frederick Joseph Pusch, Fairfax
B.S. '48, St. John's University. Major: Organic Chemistry. Minor: Inorganic Chemistry. Thesis: The Nitration and Cleavage of a 2-Benzylthioimidazole.

Donald Arthur Schmidt, Wittenberg, Wis.

B.S. '44, University of Wisconsin; D.V.M. '47, Michigan State College. Major: Comparative Pathology. Minor: Bacteriology. Thesis: Histologic Alterations of the Brain of the Dog at Various Intervals after Death.

James Duncan Schroder, Guelph, Ontario, Canada

D.V.M. '42, Ontario Veterinary College. Major: Comparative Pathology. Minor: Veterinary Medicine. Thesis: An Experimental Study of the Effects of Ultrasonics on the Transmissible Walker Rat Carcinoma.

John Harris Schwab, St. Cloud

B.A. '49, University of Minnesota. Major: Bacteriology. Minor: Agricultural Biochemistry. Thesis: An Evaluation of the Method of Diffusion Gradients in the Study of Mixed Precipitating Systems and a Comparison with the Quantitative Precipitin Method.

Edward Sturm, Brooklyn, N.Y.

B.A. '48, New York University. Major: Geology. Minor: Soils. Thesis: A Sedimentary Study of the River Terraces of Chugwater Creek, Laramie and Platte Counties, Wyo.

Alan Thomas, Havertown, Pa.

B.S. '49, Pennsylvania State College. Major: Dairy Husbandry. Minor: Agricultural Biochemistry. Thesis: Polymorphism in Butterfat.

Jean McLeod Voegeli, Minneapolis

B.S. '46, University of Minnesota. Major: Botany. Minor: Zoology. Thesis: The Anatomy and Ecology of *Ampelothamnus phillyreaefolius*, a Climbing Heath.

Master of Science in Aeronautical Engineering

Robert Lewis Abbott, Clarinda, Iowa
B.S. '38, Iowa State College. Major: Aeronautical Engineering (Aircraft Structures). Minor: Aeronautical Engineering (Aerodynamics). Thesis: Inspection Methods for Use on Stressed Aircraft Members of Sandwich Type Construction.

Charles Edward Dole, Chestertown, Md.

B.S. in M.E. '41, Drexel Institute of Technology. Major: Aeronautical Engineering (Aircraft Structures). Minor: Aeronautical Engineering (Aerodynamics). Thesis: Transverse Shear Stress Distribution in Circular Metalite Plates.

* Degree conferred as of June 10, 1950.

James Patrick Doyle, Omaha, Neb.
B.A. '37, Nebraska State Teachers College.
Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: A Study of the Mixing of Steady and Unsteady Flow in Gases by the Hydraulic Analogue.

Tien Theodore Lan, Fukien, China
B.S. in C.E. '48, St. John's University (China).
Field of Concentration: Aeronautical Engineering.

Edward Terhune LaRoe, Mahwah, N.J.
U.S. Naval Postgraduate School. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: The Development of an Experimental Technique for Procuring Shadowgraphs of the Combustion Process within a Turbo-jet Combustion Chamber.

Elwood Charles Mildahn, Rochester, N.Y.

B.Aero.E. '37, Rensselaer Polytechnic Institute. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: Air Film Cooling of a Metal Surface Exposed to High Temperature and High Velocity Gases.

Lewis Walter Squires, Fort Wayne, Ind.

B.S. '41, U.S. Naval Academy. Major: Aeronautical Engineering (Aircraft Structures). Minor: Aeronautical Engineering (Aerodynamics). Thesis: A Theoretical Design of Reinforcing Rings for Circular Cutouts in Flat Plates in Tension.

Robert Martin Strieter, Rock Island, Ill.

B.S. '41, U.S. Naval Academy. Major: Aeronautical Engineering. Minor: Mechanical Engineering. Thesis: Relation between Acoustic Phenomena and Dynamic Thrust.

Master of Science in Agricultural Engineering

Harold Arthur Cloud, St. Paul
B.Ag.E. with high distinction '49, University of Minnesota. Major: Agricultural Engineering. Minor: Civil Engineering. Thesis: The Calibration and Field Use of the Nylon Electrical Resistance Block as Indicators of Soil Moisture.

Lawrence William Larson, Meridian, Idaho

B.S. '49, University of Idaho. Major: Agricultural Engineering. Minor: Soils. Thesis: Design and Construction of a Combination Spring Release and Hydraulic Cushion Hitch for a Tractor-drawn Plow.

Master of Science in Anesthesiology

Anthony Nicholas Fazio, Brooklyn, N.Y.

B.S. '39, St. John's University; M.D. '43, New York Medical College. Major: Anesthesiology. Minor: Physiology. Thesis: Factors Influencing the Resistance of Albino Rats to Anoxic Anoxia.

Master of Science in Chemical Engineering

Norman Loren Carr, Chicago, Ill.
B.S. with honors '46, University of Illinois. Major: Chemical Engineering. Minor: Mathematics. Thesis: A Theoretical Study of Heat Transfer and Mass Transfer in Fluidized Beds.

Charles William Siegmund, Park Ridge, Ill.

B.S.Ch.E. '49, Illinois Institute of Technology. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: A Numerical Method of Calculating the Depth of Adsorption Beds.

Shui-Yueh Hsu, Shanghai, China
B.S. '43, Hangchow University. Field of Concentration: Chemical Engineering.

Harold Wilansky, Minneapolis
B.Ch.E. '48, Brooklyn Polytechnic Institute. Major: Chemical Engineering. Minor: Metallurgy. Thesis: Kinetics of the Esterification of Substituted Benzoic Acids.

Master of Science in Civil Engineering

Otto Gerald Bonestroo, Willmar
B.C.E. '49, University of Minnesota. Field of Concentration: Civil Engineering (Sanitary Engineering).

Chao Pe Jen, Ishing, China
B.S. '41, National Central University (China); M.S. in C.E. '47, University of Pennsylvania. Major: Civil Engineering. Minor: Mathematics and Mechanics. Thesis: An Investigation of the Validity of the "Equivalent Beam Method" for Analyzing Anchored Sheet Piling Walls.

Walter Eugene Williams, Brooklyn, N.Y.

B.C.E. '49, Manhattan College. Major: Civil Engineering (Sanitary Engineering). Minor: Civil Engineering (Hydraulics). Thesis: The Significance of the Velocity Constant in Stream Analysis.

John Joseph Pepe, New York, N.Y.
B.C.E. '49, Manhattan College. Major: Civil Engineering (Sanitary Engineering). Minor: Civil Engineering (Hydraulics). Thesis: Density Currents and Dispersion Indices in Water and Sewage Treatment.

Chi-Neng Shen, Hongkong, China
B.Sc. '39, National Tsing Hua University. Field of Concentration: Civil Engineering (Structures).

Master of Science in Dentistry

Dwight Samuel Chernauek, Hutchinson
D.D.S. '46, University of Minnesota. Major: Dentistry (Oral Pathology). Minor: Bacteriology. Thesis: The Effect of Certain Constituents of Ammoniated Dentifrices on Experimental Dental Caries in the Syrian Hamster.

Donald Raymond Kennedy, Moscow, Idaho
D.D.S. '48, University of Minnesota. Major: Dentistry (Oral Surgery). Minor: Bacteriology. Thesis: Results of Experimental Introduction of Streptococci into the Root Canals of the Rhesus Monkey.

Master of Science in Dermatology and Syphilology

Allan Alvin Dixon, Calgary, Alberta, Canada
B.Sc. '45, M.D. '45, University of Alberta. Major: Dermatology and Syphilology. Minor: Pathology. Thesis: Studies on the Response of Circulating Leucocytes to Eosinophilic Auto-hemotherapy.

William Henry Eyster, Jr., Lewisburg, Pa.
B.S. '39, Bucknell University; M.D. '43, University of Pennsylvania. Major: Dermatology and Syphilology. Minor: Histopathology. Thesis: Multiple Glomus Tumors.

Master of Science in Electrical Engineering

Maoling Liu, Shantung, China
B.E.E. '29, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Study of the Effects on the Starting Characteristics by Connecting Capacitors in Series with a Three Phase Induction Motor.

Master of Science in Mechanical Engineering

Peng Chin, Kiangsu, China
B.S. '35, National Central University (China).
Field of Concentration: Mechanical Engineering.

Richard J. Goldstein, New York, N.Y.
B.M.E. '48, Cornell University. Field of Concentration: Mechanical Engineering.

Lowell Marshall Miller, St. Paul
B.M.E. '49, University of Minnesota. Major: Mechanical Engineering (Internal Combustion Engines). Minor: Mechanical Engineering (Machine Design). Thesis: The Theory and Performance of a Diesel Engine Fuel Activator.

Herbert Earl Johnson III, Boulder, Colo.

B.S. with special honors '44, University of Colorado. Major: Mechanical Engineering. Minor: Mathematics and Mechanics. Thesis: An Investigation of the Composition of Crankcase Gases in Internal Combustion Engines.

Master of Science in Medicine

Howard Arne Andersen, Rochester
B.S. '40, M.D. '43, University of Minnesota. Major: Medicine. Minor: Surgical Pathology. Thesis: Cytologic Diagnosis of Carcinoma of the Esophagus and Cardia of the Stomach.

Warren Philip Ball, Muncie, Ind.
B.A. '40, M.D. '42, Indiana University. Major: Medicine. Minor: Pathologic Anatomy. Thesis: The Pancreas in Chronic Ulcerative Colitis.

H. Stanley Bennett, Rochester
B.A. '42, Oberlin College; M.D. '45, Harvard Medical School. Major: Medicine. Minor: Pathologic Anatomy. Thesis: The Testis, Prostate, and Breast in Males with Cirrhosis of the Liver.

Robert Joseph Boucek, Pittsburgh, Pa.
M.D. '43, University of Pittsburgh. Major: Medicine. Minor: Physiology. Thesis: Experimental Constrictive Pericarditis in Dogs: (a) A Study of Differential Inflow Tract Compression, (b) Analysis of the Induced Circulatory Failure.

Donald King Buffmire, Rochester
B.S. '44, M.D. '47, Northwestern University. Major: Medicine. Minor: Surgical Pathology. Thesis: Factors Responsible for Negative Cytologic Findings in Bronchogenic Carcinoma.

Murray Dworetzky, New York, N.Y.
B.A. '38, University of Pennsylvania; M.D. '42, Long Island College of Medicine. Major: Medicine. Minor: Physiology. Thesis: Studies of the Passage of Histamine across the Mucous Membrane of the Small Bowel of Guinea Pigs.

Eugene Joseph Ellis, Los Angeles, Calif.

B.A. '40, M.D. '43, University of Southern California. Major: Medicine. Minor: Physiology. Thesis: An Analysis of Methods for Recording Intracardiac and Vascular Pressures by Means of Cardiac Catheters.

Benjamin Franklin Fuller, Jr., St. Paul
B.A. *cum laude*, B.S. '43, M.D. '46, University of Minnesota. Major: Medicine. Minor: Physiological Chemistry. Thesis: Studies of the Metabolism of Glycine Labeled with N¹⁵ and C¹⁴ on the Alpha Carbon Atom.

George William Jones, Rochester
B.A. '43, Macalester College; M.D. '46, University of Minnesota. Major: Medicine. Minor: Pathologic Anatomy. Thesis: The Liver in Chronic Ulcerative Colitis.

Julian Roland Borck Knutson, St. Cloud

B.S. *cum laude* '39, St. John's University; M.D. '43, University of Minnesota. Major: Medicine. Minor: Physiology. Thesis: Studies on the Mechanism of Diuresis with Salyrgan (Mersalyl) in Congestive Heart Failure.

Edward Wynne Lowman, Charleston, S.C.

B.S. '36, The Citadel; M.D. '40, Medical College of South Carolina. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Muscle and Peripheral Nerve Changes in Rheumatoid Arthritis and Lupus Erythematosus.

Theodore Henry Noehren, Salt Lake City, Utah

B.A. '38, Williams College; M.D. '42, University of Rochester. Major: Medicine. Minor: Pathologic Anatomy. Thesis: A Comparison of the Amino-acid Content in Pleural Effusions of Various Disease States.

Robert Clayworth Painter, Grand Forks, N.D.

B.S. '38, M.D. '41, University of Chicago. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Measurement of the Arteriole in Coarctation of the Aorta.

Homer David Peabody, Jr., San Diego, Calif.

B.S. '41, Harvard University; M.D. '44, Columbia University. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Pulmonary Fibrosis of Undetermined Origin.

Wyman Platt Sloan, Jr., Atlanta, Ga. B.A. '40, M.A. '41, Emory University; M.D. '44, Tulane University. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Local Complications of Chronic Ulcerative Colitis.

Maurice Havelyn Stauffer, Rochester B.A. '37, M.D. '41, Kansas University. Major: Medicine. Minor: Surgical Pathology. Thesis: Needle Biopsy of the Liver.

Bowen Eacritt Taylor, Rochester B.A. '40, M.D. '43, University of Nebraska. Major: Medicine. Minor: Physiology. Thesis: Studies of the Pulmonary and Systemic Arterial Pressure in Cases of Patent Ductus Arteriosus with Special Reference to Effects of Surgical Closure.

Theodore Turnbull, Kewanee, Ill. B.S. '41, Monmouth College; M.D. '45, Northwestern University. Major: Medicine. Minor: Physiology. Thesis: A Study of the Mechanism for the Increase in Arterial Oxygen Capacity Produced by Mild Exercise in Man.

Master of Science in Obstetrics and Gynecology

Philip LeRoy Smith, Manchester, Ind. B.A. '41, University of Indiana; M.D. '44, St. Louis University. Major: Obstetrics and Gynecology. Minor: Surgical Pathology. Thesis: Ovarian Carcinoma of Metastatic Origin.

Master of Science in Ophthalmology

Graham Burton Milburn, San Antonio, Tex. B.A. '38, University of Texas; M.D. '42, University of Pennsylvania. Major: Ophthalmology. Minor: Pathology. Thesis: A Study of Dermoid Tumors Occurring about the Eye.

Master of Science in Orthopedic Surgery

George Marcy Hart, Jr., Minot, N.D. B.S. '39, M.D. '44, Northwestern University. Major: Orthopedic Surgery. Minor: Surgical Pathology. Thesis: Intermittent Hydrarthrosis.

Charles Arthur Spaulding, Jr., Carmel, Calif. B.A. '37, M.D. '43, Stanford University. Major: Orthopedic Surgery. Minor: Surgical Pathology. Thesis: Plantar Warts: Their Etiology, Pathology and Treatment.

Master of Science in Otolaryngology and Rhinology

Joseph Walter Begley, Jr., Evansville,
Ind.

B.S. '43, M.D. '46, Northwestern University.
Major: Otolaryngology and Rhinology. Minor:
Surgical Pathology. Thesis: The Histology and
Histogenesis of Cholesteatoma of the Middle
Ear and Mastoid.

Master of Science in Physical Medicine

Joseph Peter Engel, Calgary, Alberta,
Canada

M.D.C.M. '44, University of Manitoba.
Major: Physical Medicine. Minor: Physiology.
Thesis: The Effect of Microwaves on Bone
and Bone Marrow and Adjacent Tissues.

Master of Science in Radiology

John Watson Beeler, Indianapolis,
Ind.

B.S. '42, M.D. '44, Indiana University. Major:
Radiology. Minor: Surgical Pathology. Thesis:
Roentgen Aspects of Eventration of the Dia-
phragm.

Master of Science in Surgery

Phil Louis Barringer, Hickory, N.C.
B.A. '38, Lenoir-Rhyne College (Hickory);
M.D. '42, Jefferson Medical College. Major:
Surgery. Minor: Surgical Pathology. Thesis:
Studies on the Venous Spread of Cancer of
the Bowel.

Nicholas Gus Boosalis, Faribault
B.A. '39, M.D. '41, University of Minnesota.
Major: Surgery. Minor: Pathology. Thesis: A
Study of the Effect of Certain Drugs on the
Sphincter of Oddi in Man.

John Carney Cashin, Adams, Mass.
B.A. '39, Holy Cross College; M.D.C.M. '43,
McGill University. Major: Surgery. Minor:
Pathology. Thesis: The Effect of a Methyl
Methacrylate Prosthesis Following Unilateral
Pneumonectomy in the Rat.

James William Devney, Rochester
B.S. '41, M.D. '44, University of Minnesota.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Multiple Primary Malignant Lesions
Involving Different Major Divisions of the
Alimentary Tract.

Edward Martin Miller, Brookline,
Mass.

B.A. '41, Yale University; M.D. '44, Columbia
University. Major: Surgery. Minor: Surgical
Pathology. Thesis: Carcinoma in the Region
of the Papilla of Vater. A Clinicopathological
Study of Resected Cases.

William Click Robinson, Lexington,
Ky.

B.S. '38, University of Kentucky; M.D. '42,
Tulane University. Major: Surgery. Minor:
Surgical Pathology. Thesis: Radioactive Iodine
Uptake in Adenomatous Goiter: Correlation
of Uptake with Thyroid Cell and Follicle Size.

Richard John Webber, Minneapolis
B.A. '37, Carleton College; M.D. '42, Uni-
versity of Minnesota. Major: Surgery. Minor:
Pathology. Thesis: Some Observations on
Postoperative Anoxic Anoxia.

Master of Science in Urology

Michael James Feeny, Pierre, S.D.
B.S. '42, University of North Dakota; M.D.
'43, Duke University. Major: Urology. Minor:
Pathology. Thesis: Infection Following Trans-
urethral Resection of the Prostate Gland.

Doctor of Philosophy

Charles Raymond Adrian, Mount Ver-
non, Iowa

B.A. '47, Cornell College; M.A. '48, Uni-
versity of Minnesota. Major: Political Science.
Minor: Economics. Thesis: The Nonpartisan
Legislature in Minnesota. Major Adviser: Pro-
fessor L. M. Short.

Aaron David Baskin, Roslyn, N.Y.

B.A. '37, New York University; M.S. '47,
Rutgers University. Major: Plant Pathology.
Minor: Botany. Thesis: The Fungicidal and
Herbicidal Action of Cyanamides. Major Ad-
viser: Professor E. C. Stakman.

Daniel Marshall Benjamin, Waukesha,
Wis.

B.S. '39, M.S. '46, University of Minnesota.
Major: Entomology. Minor: Plant Pathology.
Thesis: Biology and Ecology of the Red-
headed Pine Sawfly, *Neodiprion lecontei*
(Fitch), and Notes on Its Control. Major
Adviser: Professor A. C. Hodson.

Joel Bitman, Newark, N.J.

B.A. '46, Cornell University; M.S. '48, Uni-
versity of Minnesota. Major: Physiological
Chemistry. Minor: Physiology. Thesis: A
Study of the Acetate Buffer Hydrolysis of
the Conjugated 17-Ketosteroids of Normal
Male Urine. Major Adviser: Professor Saul
Cohen.

Sara Elizabeth Blackwell, Smithfield,
Pa.

B. S. with honors '38, M.S. '44, The Penn-
sylvania State College. Major: Home Econo-
mics Education. Minor: Home Economics.
Thesis: Development of Instruments for
Evaluating Certain Aspects of High School
Homemaking Programs. Major Adviser: Pro-
fessor C. B. Amy.

J. W. Britain, St. Paul

B.A. '42, Rice Institute; M.S. '49, University
of Minnesota. Major: Organic Chemistry.
Minor: Physical Chemistry. Thesis: The Ac-
tion of Concentrated Sulfuric Acid on Some
N-Alkylbenzoylacetanilides. Major Adviser: Pro-
fessor C. F. Koelsch.

William Holman Cartwright, Jr.,
Auburndale, Mass.

B.S. with high distinction '37, M.A. '42,
University of Minnesota. Major: History.
Minor: Education. Thesis: A History of the
Teaching of American History. Major Ad-
viser: Professor G. M. Stephenson.

Alfred Wen-Jen Chow, Shanghai,
China

B.S. '46, University of Michigan. Major:
Pharmaceutical Chemistry. Minor: Organic
Chemistry. Thesis: Some New Esters of
p-carboxy-Benzamidine. Major Adviser: Pro-
fessor Ole Gisvold.

Evelyn Doris Corbett, Akron, Ohio

B.A. '28, M.A. in Ed. '29, University of
Akron. Major: Spanish. Minor: Area Studies:
Latin America. Thesis: La Influencia de la
Tierra en la Novela Contemporanea Riopla-
tense. Major Adviser: Professor W. T. Patti-
son.

Herbert Thomas Coutts, Edmonton,
Alberta, Canada

B.A. '35, University of Toronto; M.A. '42,
University of Alberta. Major: Education.
Minor: English. Thesis: The Relation be-
tween the Reading Competence of Alberta
Ninth-Grade Pupils in Four Content Fields
and Their Achievement in Those Fields.
Major Advisers: Professors D. V. Smith and
G. L. Bond.

Louis Samuel Cuendet, Cossonay,
Switzerland

M.S. '46, Federal Technical Institute (Swit-
zerland). Major: Agricultural Biochemistry.
Minor: Bacteriology. Thesis: Researches on
a Fructosan and a Hemicellulose of Rye and
a Galactomannan of the Carob Bean. Major
Adviser: Professor Fred Smith.

Dale Marshall DeLaitsch, Colfax,
Wis.

B.S. '44, University of Chicago; B.A. '46,
St. Olaf College. Major: Organic Chemistry.
Minor: Analytical Chemistry. Thesis: The
Protection of Hydroxyl and Sulfhydryl Groups.
Major Adviser: Professor W. E. Parham.

Gerald Tunis Den Hartog, Otley, Iowa
B.S. '47, Iowa State College; M.S. '50, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Agronomic and Malting Quality Characters of Barley as Studied in 10 Crosses Having Mars as a Common Parent. Major Advisers: Professors J. W. Lambert and H. K. Hayes.

Clarence Francis Dineen, Benson
B.Ed. '39, St. Cloud State Teachers College; M.S. '48, University of Minnesota. Major: Zoology. Minor: Botany. Thesis: An Ecological Study of a Minnesota Pond. Major Adviser: Professor Samuel Eddy.

Frederick James Edeskuty, Minneapolis
B.Ch.E. with distinction '44, University of Minnesota. Major: Chemical Engineering. Minor: Physics. Thesis: A Problem in Adsorption. Major Adviser: Professor N. R. Amundson.

William Herbert Edson, Eldora, Iowa
B.A. '39, Hastings College; M.A. '47, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: A Study of the Relationships between Visual Characteristics and Specific Silent Reading Abilities. Major Advisers: Professors G. L. Bond and W. W. Cook.

Irving Ehrenthal, New York, N.Y.
B.A. '39, Yeshiva College; M.S. '40, University of Michigan. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Studies on the Chemical Constitution of Xylan. Major Adviser: Professor Fred Smith.

Hussein Fahmy El-Issawi, Alexandria, Egypt
B.S. '44, University of Cairo; M.S. '48, University of Minnesota. Major: Animal Husbandry. Minor: Plant Genetics. Thesis: A Genealogy Study of Three Inbred Lines of Shropshire Sheep. Major Adviser: Professor L. M. Winters.

LeRoy Everett Everson, Ames, Iowa
B.S. with distinction '39, M.S. '48, University of Minnesota. Major: Agronomy. Minor: Botany. Thesis: The Effect of 2,4-Dichlorophenoxyacetic Acid on Certain Weed and Crop Seeds. Major Adviser: Professor R. S. Dunham.

Samuel Herman Friedman, Hartford, Conn.
B.A. '43, Ohio University. Major: Psychology. Minor: Psychiatry. Thesis: Psychometric Effects of Frontal and Parietal Lobe Brain Damage. Major Adviser: Professor P. E. Meehl.

Shivaraj Kuberappa Goni, Hubli, Bombay, India
B.S. '40, University of Bombay; M.S. '49, University of Minnesota. Major: Dairy Husbandry. Minor: Animal Husbandry. Thesis: A Genealogical Study of the Holstein-Friesian Herd of Cattle at the Minnesota Central Agricultural Experiment Station. Major Advisers: Professors T. W. Gullickson and M. C. Hervey.

Dodballapur Mahabalarao Gopinath, Bangalore, India
B.Sc. (Hons.) '40, M.S. '41, University of Mysore. Major: Plant Genetics. Minor: Botany. Thesis: A Cytogenetic Study of Deficiency Duplication in Certain Translocation Crosses in Maize. Major Adviser: Professor C. R. Burnham.

Irving Gordon, St. Paul
B.Chem. with distinction '44, University of Minnesota. Major: Organic Chemistry. Minors: Analytical Chemistry and Pharmaceutical Chemistry. Thesis: Studies in the Chemistry of Dibenzofuran and p-Oxathiene. Major Adviser: Professor W. E. Parham.

Herbert Arthur Harland, Ferndale, Wash.
B.S. '38, M.S. '41, The State College of Washington. Major: Dairy Husbandry. Minor: Agricultural Biochemistry. Thesis: The Interrelationships of Processing Treatments and Oxidation-Reduction Systems as Factors Affecting the Keeping Quality of Dry Whole Milk. Major Adviser: Professor S. T. Coulter.

Oscar Martin Haugh, White Bear Lake
B.S. with high distinction '31, M.A. '40, University of Minnesota. Major: Education. Minor: English. Thesis: The Comparative Value of Reading and Listening in the Acquisition of Information and the Changing of Attitudes of Eleventh Grade Students. Major Adviser: Professor D. V. Smith.

Ralph Martin Heinicke, New York, N.Y.
B.S. '36, Cornell University. Major: Agricultural Biochemistry. Minor: Physical Chemistry. Thesis: Studies on Phospholipides. Major Adviser: Prof. D. R. Briggs.

Robert Wesley Henderson, Hermiston, Ore.
B.S. '38, Oregon State College. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Inheritance of Rubber Percentage in *Taraxacum Kok-Saghyz*. Major Adviser: Professor H. K. Hayes.

Horace Edward Hood, Sparta, Ill.
B.S. in Chem. with highest honors '44, University of Illinois. Major: Organic Chemistry. Minor: Physiological Chemistry. Thesis: The Synthesis of Compounds Related to Morphine; Partial Nuclear Hydrogenation of N-Methyl-2-Methoxy-1-Naphthalencethylamine. Major Adviser: Professor C. F. Koelsch.

Raymond Ellwood Hopponen, New York Mills

B.S. '43, University of Minnesota. Major: Pharmaceutical Chemistry. Minors: Organic Chemistry and Pharmacology. Thesis: A Phytochemical Investigation of Digitalis Lanata. Major Adviser: Professor Ole Gisvold.

Jarold Alan Kieffer, Minneapolis

B.A. '47, University of Minnesota. Major: Political Science. Minor: History. Thesis: An Analysis of Sectional Voting on Appropriations for the Armed Forces, 1789 to 1815. Major Adviser: Professor A. N. Christensen.

Walter John Kleinschmidt, Evansville, Ind.

B.S. '40, Indiana University; M.S. '49, University of Minnesota. Major: Agricultural Biochemistry. Minor: Bacteriology. Thesis: Biochemical Studies of Antigens and Antibodies and Their Interaction. Major Adviser: Professor P. D. Boyer.

Yashwant Ram Mehta, Allahabad, India

B.S. '34, M.S. '38, University of Allahabad. Major: Horticulture. Minor: Plant Genetics. Thesis: A Study of Certain Economic Characters of F₁ Potato Seedlings and Their Parents. Major Adviser: Professor F. A. Krantz.

Henry Madison Morris, Jr., Houston, Tex.

B.S.C.E. '39, Rice Institute; M.S.C.E. '48, University of Minnesota. Major: Civil Engineering. Minors: Mathematics and Geology. Thesis: A New Concept of Flow in Rough Conduits. Major Adviser: Professor L. G. Straub.

Allison Ralph Palmer, Bound Brook, N.J.

B.S. '46, Pennsylvania State College. Major: Geology. Minor: Zoology. Thesis: The Fauna of the Upper Cambrian Riley Formation in Central Texas. Major Adviser: Professor W. C. Bell.

Alan Robert Pawelek, Thorp, Wis.
B.Ed. '36, Winona State Teachers College; M.A. '38, University of Minnesota. Major: Education. Minor: Industrial Education. Thesis: Nation's Offerings and Activities in Air-Age Instruction of General Education Import, with Particular Reference to the Preparation and Upgrading of Teachers: Justifications, Present Status and Suggestion of Programs, Content, Procedures and Instructional Aids. Major Adviser: Professor H. J. Smith.

Gerald William Probst, Morris

B.S. cum laude '43, College of St. Thomas; M.S. '49, University of Minnesota. Major: Agricultural Biochemistry. Minor: Organic Chemistry. Thesis: Some Studies on the Biosynthesis of Ascorbic Acid in the Rat. Major Adviser: Professor M. O. Schultze.

Marco Rabinovitz, Philadelphia, Pa.

B.S. '44, University of Pennsylvania. Major: Agricultural Biochemistry. Minor: Physiological Chemistry. Thesis: Studies on the Biological Function of Vitamin E. Major Adviser: Professor P. D. Boyer.

Harold Richardson, Minneapolis

B.A. magna cum laude '46, M.A. '48, University of Minnesota. Major: Psychology. Minor: Educational Psychology. Thesis: The Efficacy of Group Preparation for Counseling. Major Advisers: Professors D. G. Paterson and Henry Borow.

Franklin Moore Robinson, Antrim, N.H.

B.S. with distinction '43, Worcester Polytechnic Institute. Major: Organic Chemistry. Minor: Physical Chemistry. Thesis: Studies of the Synthesis and Chemical Transformations of Ketopyrrolidines. Major Adviser: Professor C. F. Koelsch.

Thomas Hayden Rogers, Auburn, Ala.

B.S. '31, M.S. '41, Alabama Polytechnic Institute. Major: Plant Genetics. Minor: Plant Physiology. Thesis: Methods of Breeding Crimson Clover (*Trifolium incarnatum*). Major Adviser: Professor H. K. Hayes.

Norman Lee Smith, Port Arthur, Tex.

B.S. '43, University of Arkansas. Major: Chemical Engineering. Minor: Economics. Thesis: The Effect of Diffusion in Heterogeneous Systems. Major Adviser: Professor N. R. Amundson.

Elmer Lawrence Thomas, St. Paul
B.S. '41, Ohio State University; M.S. '43,
University of Minnesota. Major: Dairy Hus-
bandry. Minor: Agricultural Biochemistry.
Thesis: The Relation of Certain Factors to
the Volume Shrinkage of Ice Cream during
Storage. Major Adviser: Professor W. B.
Combs.

Charles Ivar Tollefson, Saskatoon,
Saskatchewan, Canada

B.S.A. '40, M.S. '47, University of Saskatche-
wan. Major: Agricultural Biochemistry. Minor:
Bacteriology. Thesis: Studies with Lactose as
a Dietary Component for the Rat. Major Ad-
viser: Professor M. O. Schultze.

Robert Gene Tucker, Springfield, Mo.
B.A. with high distinction '40, Southwestern
Missouri State College; M.S. '48, University
of Minnesota. Major: Physiological Hygiene.
Minor: Pharmaceutical Chemistry. Thesis: The
Relationship in Man between the Protein-
bound Iodine in the Serum and the Basal
Metabolic Rate. Major Adviser: Professor Ancel
Keys.

Chao-Su Wu, Foochow, China

B.A. '42, National Central University (China).
Major: Plant Genetics. Minor: Plant Pa-
thology. Thesis: Inheritance of Leaf Rust Re-
action and Other Characters in a Spring Wheat
Cross. Major Adviser: Professor E. R. Ausemus.

Earl Wilbert Turner, Bozeman, Mont.
B.S. '46, M.S. '47, Montana State College.
Major: Agricultural Biochemistry. Minor: Bac-
teriology. Thesis: Protein Interaction Studies.
I. The Combination of Modified Serum
Gamma Globulin with Other Proteins. II. Fac-
tors Effecting the Solubilization and Dissocia-
tion of Specific Diphtheria Toxoid-Antitoxin
Precipitates. Major Adviser: Professor P. D.
Boyer.

Donald Z. Woods, St. Paul

B.A. '37, State University of Iowa; M.A. '42,
University of Minnesota. Major: Speech.
Minor: English. Thesis: A History of the
Theater in Minneapolis, Minnesota, from the
Beginning to 1883. Major Adviser: Professor
F. M. Whiting.

Leo Sterling Wortman, Jr., Mexico,
D.F., Mexico

B.S. with high distinction '43, Oklahoma
Agricultural and Mechanical College; M.S.
'48, University of Minnesota. Major: Plant
Genetics. Minor: Plant Pathology. Thesis:
The Inheritance of Cold-Test Reaction in
Zea mays. Major Adviser: Professor E. H.
Rinke.

Doctor of Philosophy in Medicine

Charles Adrian Michael Hogben,
Madison, Wis.

B.S. '41, M.D. '43, University of Wisconsin.
Major: Medicine. Minor: Physiology. Thesis:
Renal Excretion of Phosphate. Major Adviser:
Dr. J. L. Bollman.

Edward Henry Morgan, Seattle,
Wash.

B.A. '38, DePauw University; M.D. '43,
Northwestern University. Major: Medicine.
Minor: Physiology. Thesis: The Relationship
of Arterial Oxygen Tension and Saturation
to Alveolar Oxygen Pressure in Normal Sub-
jects. Major Adviser: Dr. H. B. Burchell.

Doctor of Philosophy in Ophthalmology

Louis Daily, Jr., Houston, Tex.

B.S. '40, Harvard College; M.D. '43, Univer-
sity of Texas. Major: Ophthalmology. Minor:
Pathology. Thesis: The Effect of Microwaves
on the Eye. Major Adviser: Dr. K. G. Wakim.

Doctor of Philosophy in Surgery

George Eugene Moore, Minneapolis
B.A. '42, M.A. '43, M.D. '46, University of
Minnesota. Major: Surgery. Minor: Cancer
Biology. Thesis: Diagnosis and Localization
of Brain Tumors. A Clinical and Experi-
mental Study Employing Fluorescent and
Radioactive Tracer Methods. Major Adviser:
Dr. O. H. Wangenstein.

CAPS AND GOWNS

AN EXPLANATION

In the medieval city, clothing not unlike that worn by those participating in this commencement was common. The modern academic costume has evolved from the dress of the medieval guilds and the early religious orders.

Today, everyone with a college or university degree may wear the black academic gown. Hoods, which are omitted by seniors who are candidates for degrees, are worn by graduates. At the University of Minnesota, the lining of the hood has a maroon chevron on an old gold ground to represent the University colors. A University faculty member who holds a degree from another college or university wears the colors of his own alma mater.

Distinctions between sleeves indicate the type of degree held by the wearer. A long, pointed sleeve indicates a Bachelor's degree, while a long, closed sleeve with a slit near the upper part of the arm designates a Master's degree. A round, open sleeve marks a Doctor's degree.

The velvet edging on hoods is the color which stands for the field of study of the gown's wearer. It may be white for Arts and Letters, gold-yellow for Science, maize for Agriculture, Forestry, Home Economics, and Veterinary Medicine, or light blue for Education. Orange denotes Technology; dark blue, Philosophy; purple, Law; green, Medicine; and pink, Music. Public Health is shown by salmon pink edging, Dentistry by lilac, Pharmacy by olive, and Commerce and Accounting by drab.

The Doctor's costume also has velvet trimming on the rest of the gown, including crossbars on the sleeve. The trimming may be either black or may match the color of the hood edging.

Caps, or mortarboards, too, have significance. The President of the University is the only one who may wear a velvet cap and a gold tassel.

Shoulder insignia on the gowns of candidates for degrees indicate that the candidate is an honor student.

For the Master's and Doctor's degree, the tassels are always black, but candidates for the Bachelor's degree at this commencement wear tassels which indicate their school or college by color, as follows:

(In the order of their appearance on the platform)

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, Home Economics, and Veterinary Medicine	maize
College of Education.....	light blue
School of Business Administration.....	drab
College of Pharmacy	olive
Law School	purple
College of Medical Sciences.....	green
Graduate School	black