

UNIVERSITY OF MINNESOTA

Winter Quarter

Commencement Exercises

1948



NORTHROP MEMORIAL AUDITORIUM
THURSDAY EVENING, MARCH EIGHTEENTH
AT EIGHT O'CLOCK

PROGRAM

PRESIDENT JAMES LEWIS MORRILL, Presiding

ORGAN MUSIC—(Seven-thirty o'clock)

Allegro from the Concerto in A Minor	- - - -	Vivaldi
Aria in C Minor	- - - - - - - - - -	Bach
Toccata	- - - - - - - - - -	Mereaux
Finale from the First Symphony	- - - - - - - - - -	Vierne

PROCESSIONAL—Allegro from the Fourth Concerto - Handel

ARTHUR B. JENNINGS

Associate Professor of Music, University Organist

PRESENTATION OF COLORS

NATIONAL ANTHEM—"The Star-Spangled Banner"

Oh, say, can you see, by the dawn's early light,
What so proudly we hail 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 REVEREND GEORGE P. CONGER, B.D., Ph.D.

Professor of Philosophy, University of Minnesota

COMMENCEMENT ADDRESS—

"Education Is Not Enough"

ERNEST C. COLWELL, Ph.D., Litt.D.

President, University of Chicago

CONFERRING OF DEGREES

JAMES LEWIS MORRILL, LL.D.
President of the University

SONG—"Hail Minnesota!"

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—In Thee Is Joy - - - - - Bach

ARTHUR B. JENNINGS

(The audience will remain until those in academic costume
have left the hall)

SMOKING

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.

CANDIDATES FOR GRADUATION

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

GENERAL EXTENSION DIVISION

BUSINESS CERTIFICATE

Alpha L. Carlson
Donald L. Doyon

Jerry A. Roser

GENERAL COLLEGE

ASSOCIATE IN ARTS

Clarence Ben Ahlberg
Robert Donald Allen
Donald Lawrence Anderson
Douglas Earl Andrews
Raymond Satter Aslesen
Robert Leon Barker
Bradford Gordon Benner
Richard Harry Beyers
Robert Jay Blake
Warren Arthur Brekke
Noel Emil Bren
Wallace Franklin Brodhead
Edgar Chase Brown
Vincent Lawrence Brown
Gladys Denolia Burkhalter
William John Campbell
Paul Arthur Casey
Ruth Irene Cashman
Jean Dodds Cherry
Jerome Jerry Choromanski
James Melvin Christie
Willis Charles Cline
Richard Howind Cole
Donald Blair Coleman
Raymond Francis Dahlberg
Clarence Albert Davis, Jr.
John Preston Deeds
Ann Louise Delapenha
Kenneth Erwing Deming
Richard Henry Doody
George Franklin Doran
Lorraine Stephanie Draus
Einar Eeg
Paul Leonard Egerstrom
Harold Joseph Feger

Melvin Fishman
Robert George Flaskerd
John Engle Frankson, Jr.
James Eldon Friday
George Charles Fuhrmann, Jr.
Robert Francis Gagne
Robert Lawrence Gerner
Robert Willard Giere
Thomas Andrew Hagman
Thomas John Hartigan
Donald Clyde Hawkins, Jr.
Arthur Herbert Hayden, Jr.
Irving Benjamin Hechter
Miner Hollis Hendrickson
Robert William Hertzog
William Hodroff
Wilmot Milton Holtzman
John Croil Hunter
Mae Helen Jamison
Donald Bryan Jenkins
Calvin Edward Johnson
Marjorie Deloris Johnson
Virgil S. Johnson
Willard J. Johnston, Jr.
Robert Field Jones
Sam Abraham Kiges
Eugene Henry Klesmit
Milton Louis Knall, Jr.
William Robert Knutsen
Elizabeth Victoria Koenig
James Henry Kunde
Harvey Richard Lange
Howard Larson
Harvey William Leach
Richard Thomas Leekley

Paul Coe Lemma, Jr.
 Lewis Kingsley Lundblad
 Louis Edward Malinowski
 Martin Leo Marentic
 Esse Sanford McCall, Jr.
 Clement Kenneth McNary
 James Francis McShane
 Otis Hale Merwin
 Douglas Earle Miller
 Frank Everett Nelson
 Richard Leroy Nelson, Jr.
 Donald Louis Nothwehr
 James Elton Nycklemoe
 John Lloyd Olson
 Raymond Eugene Olson
 Robert Victor Olson
 Harry Lee Peterson
 Clifford William Potter, Jr.
 George John Rahlf, Jr.
 Robert Joseph Rick
 Robert Allen Ries
 Dale Edgar Riley

William Horace Robinson
 Harold Richard Rubin
 George Whitney Rybolt
 Robert Bond Sandell
 Roger Rabens Schnoor
 Richard David Schwarten
 Robert John Simmer
 John Oscar Skooglun
 John Arnold Sletten
 Hubert Hal Spillers
 George Frank Steinmetz
 Jeanne Verdell Stephens
 William Verville Stroh
 Harold Lloyd Stump
 Lawrence Earl Takvam
 Edward Francis Thompson
 Robert Gilbert Thompson
 Richard Harrison Trotter, Jr.
 Kermit George Turley
 John Joseph Walker, Jr.
 Stanley Theodore Ward
 Marvin Wilensky

MEDICAL SCHOOL

GRADUATE IN NURSING*

Gertrude Kathryn Bloede, B.A.
 Dorothy Emmajane Giles
 Mary Ann Hanson
 Louise Antoinette Huber
 Jane Elizabeth Kamish
 Alice Lorraine Klein
 Doris Virginia Luke, A.A.

Margaret Louise Phillips, B.A.
 Carol J. Raymond
 Donna Mae Rockman
 Janet Elizabeth Rye, A.A.
 Charlotte May Sandin
 Florence Eugenia Schmidt

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

ASSOCIATE IN LIBERAL ARTS

Marguerite Madelon Campbell Baker
 John Russell Blomquest
 Harold Leon Blumenthal
 Lowell Richard Braun
 Paul F. Brown
 Joan Myrtle Clark
 Donald Richard Dwyer
 Harold Jerome Hansen
 Theron Webster Hokanson
 Thomas John Kelley
 Paul Leblang
 Earl Clement Malm

Robert Orbin Miskowic
 Donald Sheldon Moscoe
 Norbert Leo Murphy
 Dale Allan Olson
 Neil Edgar Palmer
 Joseph Reznick
 Bryan Canfield Rudy
 Donald John Sederstrom
 Thomas James Sheehan III
 Kenneth Lewis Shimota
 Vernon Rudolph Voss

* These degrees are conferred subject to satisfactory completion of nursing practice prior to June 12, 1948.

BACHELOR OF ARTS

†*summa cum laude*

Sheldon Stryker

BACHELOR OF ARTS

†*magna cum laude*

David Amos Brown
Eloise L. Feigal
Anne Bosanko Green
Marie Guggisberg
Robert Hohman

Lorraine Dorothy Johnson
David Kalman
Wayne Homer Larimore
Walter Leland Nelson
Donald Wayne Woolery

BACHELOR OF ARTS

†*cum laude*

Forrest Leroy Erlandson
Audrey Martha Hagstrom
John August Klein
Wallace Albin Lindell
Mary Nancy McLane
Charles Dell Miller

Lawrence Edward Monley
Paul Chester Nagel
Margaret Johanna Nielsen
Gloria Marie Olsen
Dorothy Ann Rothausen

BACHELOR OF ARTS

John Henry Anderes
Dinal Stanton Andreasen
June Doris Andrews
Kenwood Francis Bartelme
Frank Beddor, Jr.
Shirley Jeanne Behrens
Dorothy Marie Bell
Robert Raymond Berg
Dorothea Elizabeth Biersborn, A.A.
James Vernon Black
Sarah Arnold Blatnik, A.A.
Gerald Bertram Bubis
Joyce Marilyn Buck
Walter Butler
Allan Arthur Carlson
John Martin Christensen, A.A.
Betty Alice Clausen
Guy Thomas Colling
James Albert Colvin, Jr.
Mary Solveig Rutford Covert
Gordon Walker Cowan
Mary Isabel Dahlman
Wilton Harry Dickerson
Mavis Gertrude Dittmer
Jean Elizabeth Dixon
Rolland Dean Donaldson
Julaine Doran

Anne Laurette Duenbostle
Gaylord Gary Paul Duren
Helene Nielsen Eaves
Franklin Felder
Ellen Cecilia Fitzgurald
Robert Clyde Fjellman
Barbara June Frank
Harold Orbeck Goodman
Marshall Herbert Greenberg
Bette Lou Gunderson
Richard Frederick Hadley
Gladys Halle
Elizabeth Johanne Halloran
Penelope Handsaker
Leo Paul Hartig
M. Irene Hasche
Beverly Constance Howey
Curtis Stewart Hubbard
Jean Soper Hueckel, A.A.
Maxine Isenberg
Francis James Ivancie, A.S.
Eino Albert Johnson
Richard Packard Jones
Marilyn Jordet
Claire Patricia Kelsey
Willis Campbell Kildow
Mary Patricia Krantz

† Candidates graduating with honors are identified by differentiated shoulder insignia.

Roger Clarence Larson
 Charles Thomas Lauderdale
 William Philip Lebra
 Herman Levinsohn
 Nadyne Penticuff MacDonald
 Donald Leo Maher
 Arthur Cyril Marystone
 Doris Maxine Mattie
 Robert Edwin Mauseth
 Jerry Ross McDonald
 Ruth Ann Meyer
 Rene S. Meyers
 Robert Henry Miller
 Lowell Dwight Mills
 Ruth Mabel Momsen
 Harry Huse Nasburg
 Minell Alvira Nelson
 Saul Jaye Niefeld
 Kasper M. Njus
 Thomas Patrick Nolin
 Donald Richard Norland
 James Cox O'Brian
 James Martin O'Hara
 Nancy Louise Olds
 Wayne Conover Olson
 Norma May Patrick
 Edna Peck
 Carol Edith Peterson
 Charles S. Preston
 Alice Delvina Quist
 Paul Herbert Randolph
 Howard Alvin Rasmussen
 Louise Ann Relf
 Clyde William Richards

Marilyn Annette Roberts
 John Smollett Rogers
 Richard Calvin Rosenthal
 Harry Charles Ross, Jr.
 Joseph Thomas Rukavina
 Wayne Franklin Saunders
 Thomas Paul Shiely
 William Burton Shore
 Steve Silianoff
 Bentley Laird Smith
 Kenneth Eugene Smith
 Meriam Rose Sprague
 Holger R. Stub
 Donald William Stubbs
 Samuel Sultan
 Harold W. Sumi
 Justin Joseph Swiller
 Richard Austin Tickle
 John Lewis Townley III
 James Joseph Trench
 Edmund Anthony Tworuk
 William John Van Kleef
 Ruth Pauline Volkert
 Arthur Lee Walters
 Barbara Ann Wangenstein
 Donald Norman Werner
 Pauline Margaret Widen, A.A.
 Barbara Ann Wilson
 Iva Albertha Wood
 Gloria Jeanne Woods
 Mary Ida Youngdahl
 Maurice Bruce Zelik
 Douglas Duane Zorn

INSTITUTE OF TECHNOLOGY

BACHELOR OF AERONAUTICAL ENGINEERING

†with high distinction

Robert Herbert Jacobson

BACHELOR OF CIVIL ENGINEERING

†with high distinction

Thomas Wellington Collins

BACHELOR OF ELECTRICAL ENGINEERING

†with high distinction

Warren Philip Burrell
 Robert Frank Lambert

John Walter Miller

† Candidates graduating with honors are identified by differentiated shoulder insignia.

BACHELOR OF MECHANICAL ENGINEERING

†with high distinction

Dale Eugene Petersen

BACHELOR OF CHEMISTRY

†with high distinction

Marvin Leroy Peterson

BACHELOR OF AERONAUTICAL ENGINEERING

†with distinction

Arthur Newton Thomas, Jr.

BACHELOR OF AGRICULTURAL ENGINEERING

†with distinction

Curtis Carlyle Benson

BACHELOR OF ARCHITECTURE

†with distinction

Frederick Jacob Bentz

BACHELOR OF CIVIL ENGINEERING

†with distinction

John Jarvis Baker
Walter Kline Johnson

Harlan John Welo

BACHELOR OF ELECTRICAL ENGINEERING

†with distinction

Douglas Harry Anderson
Bernard V. Haxby
Arthur Knoblauch, Jr.

Embert Lester Conway Larson
Ralph Edward Wahl, B.S.

BACHELOR OF MECHANICAL ENGINEERING

†with distinction

Robert William Ernt
James Vinding Jensen
Norman Roger Olson

Chester Harvey Utke
Milton Archie Williams

BACHELOR OF CHEMISTRY

†with distinction

Robert Douglas Waldron

John Arthur Zapf

BACHELOR OF PHYSICS

†with distinction

Paul William Anderson

† Candidates graduating with honors are identified by differentiated shoulder insignia.

BACHELOR OF AERONAUTICAL ENGINEERING

Robert Roy Clements
Eugene George Domich
Donald Olander Erickson
Gail Barber Ford
John Joseph Haley
Adolph Martin Hanson
William Matthews Harold
William Humenick
Russell Berdene Knudson
Alexis Vladimir Kozloff
Roger William Larson

Nancy Ann Lasley
Jon Takushiro Matsuo
Harold Dale McGraw
Frank Percy Nelson
Vernon Forrest Nelson
William LeRoy Olson
Lee Conrad Paulson
Donald Roger Shannon
William F. Smith, Jr.
Henning Edmund Soderberg
Robert Wilhoit

BACHELOR OF AGRICULTURAL ENGINEERING

Robert L. Lines

BACHELOR OF ARCHITECTURE

James Vincent Hirsch

BACHELOR OF CIVIL ENGINEERING

Howard Ryan Alden
Robert Joyce Datel, B.S. in
Naval Technology
Orvall Sedwin Domholt
Luke Steve Krmpotich
Walter Eugene McKee
Robert Verle Moschell

Thomas C. Oftelie
Jonathan Oster
Frank Iver Skog
Leo George Tieman
Frank David Totzke, Jr.
Ralph Vale Zepp

BACHELOR OF ELECTRICAL ENGINEERING

Richard Deloss Baldwin
Jack Joseph Barry
Carl Herbert Bergquist
LeRoy Arthur Bushey
Thomas Samuel Calhoun
Hamilton C. Chisholm
Leslie Roy Dahl
Martin Stephen Joseph Graebner
Glen David Gustafson
Roland Richard Hoagberg
Wallace George Hohman
Lloyd Henry Major

Carl Albert Christian Papenfuss
Jean Lawrence Petersen
Ralph Wilbur Peterson
Harry Pines
William J. Quirk
Glenn Richard Rose
Harry Francis St. Germain, Jr.
Raymond Wilbur Schult
Richard LeRoy Schwappach
Norman Gustave Selland
Melford Ira Smith
Robert Jean Youngquist

BACHELOR OF MECHANICAL ENGINEERING

Eugene Anton Bruha	Roger Alexander Madsen
Robert Van Burton	Vincent Meyer
Richard Vern Cross, B.S. in Naval Technology	Robert Leon Michaud
John Bigelow Custer	Orville Louis Miller
Osborne Harvey Dahl	Joseph Emile Morin
Charles Gerald Doll	James Alexander Plaut
Kenneth Frank Dowell	Robert Marshall Petersen
Howard Everett Dyvig, B.S. in Naval Technology	Charles Ross Rockwell
David Erwin Feinberg	Glenn Leroy Stenberg
Charles Roy Johnson	George Howard Swanson, B.S. in Naval Technology
Melvin Albert Kimmel	Daniel Joseph Taravella
Harlie Jacob Kimmerle	Philip Hubbell Thuma
George Elwood Lind	Herbert Andrew Widell
	Gordon Earl Witte

BACHELOR OF CHEMICAL ENGINEERING

Warren John Fullen	Richard Astor Rammer
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BACHELOR OF CHEMISTRY

Richard Arthur McFarland	Stephen Sparks Ober
John Joseph Neumayer, Jr.	Francis Donald Ortscheid

BACHELOR OF PHYSICS

Robert Wariakois

BACHELOR OF METALLURGICAL ENGINEERING

Edward Sidney Fisher	Herman Ernst Seibert
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BACHELOR OF MINING ENGINEERING

Wayne Russell Bolitho

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

BACHELOR OF SCIENCE

†with high distinction

(Course in Food Technology)

Arthur Leonard Gordon

† Candidates graduating with honors are identified by differentiated shoulder insignia.

(Course in Forestry)

Paul Everett Collins, B.A.

(Course in Home Economics)

Dorothy Mary Klitzke

BACHELOR OF SCIENCE

†with distinction

(Course in Agriculture)

Samuel Terry Goad
William Dunning Philbrook

Howard William Thoele

(Course in Fish and Wildlife Management)

Charles Deane Evans

Lyle James Schoonover

(Course in Home Economics)

Mary Louise Forsch

Barbara Jean Peterson

BACHELOR OF SCIENCE

(Course in Agriculture)

Donald Clayton Engstrand
Kenneth Herbert Hallback
Orville De Voe Hanson
Kenneth Carlton Jacobson

LeRoy Edward Jarl
Carl Rodger Larson
Jon Metusalemsson

(Course in Fish and Wildlife Management)

John Griswold Hale

Nels Elmer Nelson

(Course in Food Technology)

Frederick Alfred Krantz, Jr.

Francis Michael Orlowski

(Course in Forestry)

Roderic John Campbell
John William Mangan

Edward James Plante
Richard Lymon Spencer

(Course in Home Economics)

Virginia Mae Barry
Marjorie Doris Beddor
Doris Cutting
Margaret Jean Feigal
Lucille Emma Harms

Shirley Fay Hess
Marilynn Lila Jean Malchow Hudson
Mary Kathleen Sipe
Carmen Towner
LaVerne Marie Wescott

(Course in Science Specialization)

Lyle Frederick Benson

Robert B. Koch

† Candidates graduating with honors are identified by differentiated shoulder insignia.

LAW SCHOOL
BACHELOR OF SCIENCE
In Law

Donald Ernest Anderson	Robert Warren Johnson
Earl Edward Andrews	Warren Henry Johnson
Laurence Francis Armstrong	Henry Ellsworth Kellar
Elliot Milton Baron	John Andrew Knutson
James Ross Bennett, Jr.	John George Kressel
William Alexander Bierman	Walter William Laidlaw
Melvin Charles Blanchard	Donald G. Lasley
Gordon Botolf Borlaug	H. Clifford Lee
Salvatore Sam Cecere	Herman Levin
Donald Beatty Crassweller	Charles Costello Luetke
William Edgar Crowder, A.L.A.	Eugene Minenko
James Edward Crowley, B.S.	James Patrick Mullen
Robert Arnold Dworsky	Warren Ardell Nelson
Leo Thomas Foley	Harry Andrew Olson
Kenneth Wright Green	Royal Cortlandt Ornstein
Sydney Arthur Gross	Norman Perl
Bernard M. Harroun	Edgar Daniel Price
Ralph Edward Harvey	Harold Shear
John Michael Hayes	John Allan Spellacy
Kingsley David Holman	Howard Stanley Spencer
Harvey Alfred Holtan	Louis William Vasaly, Jr.
Robert Granville Hull	Gerald Robert Walsh
Robert Franklin Jacobsen	Richard Dale Weiblen
Carl Arthur Jensen	Bernard George Zimpfer
Robert George Johnson	

BACHELOR OF LAWS

Merlin Glenn Dutcher, B.S.L.	Frank Louis McDonald, B.A.
Harold Chester Evarts, B.A.	Robert Dalton Moss, B.B.A.
Sheldon Jacob Gensler, B.B.A.	Herbert Norman Nelson, B.A.
Ralph Edward Harvey	James Lewis Nelson, B.A.
Richard Russell Johnson, B.A.	Vernon Arthur Nolte, B.S.L.
Milton Wallace Kelly, B.S. in Economics	Eugene Anthony O'Brien, B.S.L.
Herbert Post Lefler, Jr., B.A.	John Leraan Ostby, B.A.
Oceil Paul Lund, B.A.	George Peter Wetzal, B.S.L.

MEDICAL SCHOOL
BACHELOR OF SCIENCE
†with distinction

*(Course in Medical Technology)**

Barbara Gray Cunningham

(Course in Physical Therapy)

Eleanor Hermine McManmon

* This degree is conferred subject to satisfactory completion of required practical work prior to June 12, 1948.

† Candidates graduating with honors are identified by differentiated shoulder insignia.

(Course in Public Health Nursing)

Laura Lorraine Clark, G.N.
Beth Amelia Lewis, R.N.
Dolores Elizabeth Mattila

Doris May Peglow
Uneeda Elizabeth Steele, R.N.

BACHELOR OF SCIENCE

(Course in Medicine)

Warren Noble Sheldon

(Course in Medical Technology)*

Marian Ruth Dallman
Ruth Lee Edelson
Shirley Pearl Fink
Tena Manolis

Mary Munekata, A.S.
Jean Shirley Skonseng
Joyce Lorraine Tanem
Bernice Lillian Theissen

(Course in Physical Therapy)

Donna Mariam Martin

Phyllis Leone Stubbe

(Course in Public Health Nursing)

Jean Marie Baer
Lillian M. Bailey
Carla Esther Bothne
Lucille Betty Carter, R.N.
Ruth Roselyn Denney
Dorothy Emmajane Giles
Alma T. Hovde

Sarah Egan Johansson
Mary Virginia Johnson, R.N.
Jane Elizabeth Kamish
Mariette Margaret Landwehr, R.N.
Vera Geib Lundstrom
Hilda A. Nivala, R.N.
Janet Elizabeth Rye, A.A.

(Course in X-Ray Technology)*

Virginia Anne Lee

MASTER OF PUBLIC HEALTH

Neola Henson
John Everett Lobb, B.S.

Orlen John Wiemann, B.S.

COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

†with high distinction

Martha Ann Krippner, R.N.**

Fred Emil Lukermann

* These degrees are conferred subject to satisfactory completion of required practical work prior to June 12, 1948.

† Candidates graduating with honors are identified by differentiated shoulder insignia.

** Nursing Education Curriculum.

BACHELOR OF SCIENCE

†with distinction

Katharine Rose Berry	Ava Ann Maness*
Alice Clara Dotseth, R.N.*	Leonard Charles McGuire
Norman Helmer Ellingson	Juanita Murr*
Mabel Josephine Horky	John Ford Ohles
Theodore Rudolph Lindbom, A.S.	

BACHELOR OF SCIENCE

Willard Raynold Anderson	Robert Walter Lindvall, B.A.
Elsie Baadsgaard	Doris Virginia Luke, A.A.*
Frances Lorraine Benson, G.N.*	Marygene Lund
Alfred James Betchwars, B.A.	Billy Lawler Maddy, A.A.
Mary Parmeter Bjerke*	Hudson Glenn Mealey
Emma Florence Bjorklund	Jeanne Gunn Morgan
William Claude Budd, B.A.	Margaret Storm Musson
Donald Amos Bulmer	Wallace Orval Nelson, A.L.A.
Wesley Anton Christensen	Donald Olson
Roger Harold DeClercq	Rose Hoberman Orenstein, A.A.
Stanley Joseph Demoski	George Wood Parrott
Edroy Clarence Flom	Carol Jean Raymond*
Philip Paul Fortin	Carol Bremmer Richter
Bruce William Frank	Donna Mae Rockman*
Richard Mathew Gianotti	Rebecca Amberg Ruis
Alden Delno Groff	Charlotte May Sandin*
Marvin LeRoy Hardy	Florence Eugenia Schmidt*
Herbert H. Harper	Robert Blake Seidel
Arley Edwin Hegne	Newell Vernon Smeby
Burton Ralph Hovde	Mildred Kathleen Swanson
Herbert Grey Johnson, A.A.	Victor Lind Ursin
Ruth Virginia Kentta, G.N.*	Lucille Joyce Venetucci
Alice Lorraine Klein*	Edward Albin Verant
George Woodrow Knox	Terrell Milford Warren
Nick Kovalchuk	Mary Ann Whalberg
Linton Theodore Lange, Jr.	Norman Earl Wollitz
Angelus K. LeGros	Robert Thurston Woodworth

BACHELOR OF SCIENCE

In Library Science

Estelle Gwendolyn Brenden, B.A., M.B.	Doris Camilla Laverty Nutting, B.S., M.S.
Agot Dorothea Hoidahl, B.S., M.A.	

MASTER OF EDUCATION

Gordon Frederick Paschka, B.S.

* Nursing Education Curriculum.

† Candidates graduating with honors are identified by differentiated shoulder insignia.

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

BACHELOR OF SCIENCE

†with distinction

(Course in Home Economics Education)

Jeanette Western Hauschild

BACHELOR OF SCIENCE

(Course in Agricultural Education)

Paul Arthur Torma

SCHOOL OF BUSINESS ADMINISTRATION

BACHELOR OF BUSINESS ADMINISTRATION

†with distinction

Leslie Allen Beldo
Robert De Witt Cresap
Stephen Marshall Perlman

John Edwin Peterson
Roland David Sullivan

BACHELOR OF BUSINESS ADMINISTRATION

Neil Alva Alden
James Eldon Anderson, B.S. in
Naval Science
Philip Dean Archer
Marc D. Atkinson, Jr.
Rae Murchison Bennett
Arvid Juluis Black
Jerome Lawrence Boyer
Warren Allen Breckenridge, Jr.
Charles Elmer Brown
James Robert Brown
Robert Edmun Burns
William Marcus Buxton
Edgar Paul Capon
Leo Donald Christopherson
Henning Sven Clemedtson
Arthur Theodore Cone
Virgil Raymond Dahlgren
Jere E. Dalldorf, B.S. in
Naval Technology
Charles Bernhard Engh
Mendel Joseph Engler
LeRoy Artist Entwisle
George Elias Erickson

William Bertram Everett
Robert Theodore Fasteen
John Frank Fink
Leo Peter Fischbach
Harry Donald Fleischer
Herbert Monroe Garber
Lawrence De Witt Gaubatz
Robert Wayne Gefvert
Donald William Gold, Jr.
Leland Eudell Gottstein, B.M.E.
Sarah Margaret Lundy Guy
Gordon Wallace Haglund
Charles John Hall
Warren Hanson
Omar Adrien Haugen
Fredrick Henry Heiseke
Waldo John Helmeke
Donald Alva Hoard
Robert Kenneth Hutson
Harold James Jenkins
Ralph Lewis Jensen
William Carr Jensen
Harry V. Johnsen, Jr., B.E.E.

† Candidates graduating with honors are identified by differentiated shoulder insignia.

George Kenneth Johnson
Ralph Harold Johnson
Roald George Johnson
Warren Sherwood Jones
Ronald Albert Jydstrup
John Jordan Kampmeyer
John Thomas Kelly
Eloy William Kennedy
Richard Virgil King
John B. Kline
Tsutomu Kumagai
Phyllis Jean Lampland
James MacFarlane
Joan Eleanor Madison
James Wallace Maetzold
Richard Henry Martens
Thomas Scott McClanahan, B.A.
Harold Louis Meurer
Samuel Benjamin Morison
Robert W. Morrison
Edwin Jens Mortensen
Richard C. Naugle
Stuart Nelson
William Dean Nelson
William Reino Niemi
Julian Joseph Nizioł
John Charles Nolander
Wallace Orville Northfelt
Roger Bernhard Olsen
James Rodney Gilbert Olson
Lyle Sanford Olson
Arnold Oniel Opgrand, B.S.
LaVern Eugene O'Reilly
George Bushnell Palmer, Jr.
John Edgar Pearson
Elmer Charles Peterson, Jr.
Lyman Lamont Phelps, A.A.
Ralph Herman Pohland
Floyd Donald Quaschnick
James Patrick Quirk

Mitchell Scott Rhodes, Jr.
Robert Louis Rieckman
Kenneth Alfred Rosvold
Harris Elwood Rude, B.S. in
Naval Technology
Thomas Alan Rusch
Matt Bernard Russ
Jack Edwin Ryan
John Eugene Ryan, B.S.
Joseph Paul Saba, A.L.A.
Lawrence Everett Sathre
Joseph Roman Scherkenbach
Ardwin Julius Schneider
James Ralph Scroggins
Franklin La Frenz Searcy
Peyton Sher
Harold Lester Simoson, Jr.
William Edward John Sisser
William Yale Smiley
James Wallace Smith
Jacob Snyder, Jr.
Neal Edwin Sorensen
Inez Genevieve Steenson
Vernon Sanford Stenseng
Murry Bert Stevens
Gordian Addis Sullivan
Clifford Chester Sunnarborg
Robert Leitch Swinton
John Marston Tarbox
Stephen Monroe Taylor, B.M.E.
Wade Francis Tobin
William Nathan Tritch
Junius Jaye Truax, Jr.
Winston Roger Wallin
Benedick J. Walter
Earl Raymond Wangerin
Winfred Orville Wichelmann
Howard Melford Wicker
Charles McMillan Wiley

BACHELOR OF SCIENCE

In Economics

Aleck George Karis

James George Karis

**SCHOOL OF BUSINESS ADMINISTRATION AND COLLEGE OF
AGRICULTURE, FORESTRY, AND HOME ECONOMICS**

BACHELOR OF AGRICULTURAL BUSINESS ADMINISTRATION

†with distinction

(Course in Agricultural Business Administration)

Vernon Lyle Sorenson

BACHELOR OF AGRICULTURAL BUSINESS ADMINISTRATION

(Course in Agricultural Business Administration)

Samuel Max Braeman

UNIVERSITY COLLEGE

BACHELOR OF ARTS

†cum laude

John P. Hoggatt

Barbara Ann Olmsted

BACHELOR OF ARTS

Alleen G. Dearstynne
Phyllis Farquharson
Paul Harvey Friedman
George William Gibson

Burton Elliott Goldstein
Harold A. Mathews
Gordon Reid Ray
Arthur Lewis Rivkin

BACHELOR OF SCIENCE

Robert Vermont Gisselbeck
Harold A. Mathews

William Walbert McGuire II,
B.Aero.E.

GRADUATE SCHOOL

MASTER OF ARTS

Charles Raymond Adrian
B.A. '47, Cornell College
Major, Political Science
Plan B

Hilda Elizabeth Blessin
B.S. '25, University of Minnesota
Major, Education
Plan B

Earl Jocelynn Beatt
B.A. *cum laude* '46, University of Minne-
sota
Major, Social Work
Plan B

Agnes Veronica Boner
B.S. '35, University of Minnesota
Major, Education
Plan B

† Candidates graduating with honors are identified by differentiated shoulder insignia.

- Albert Earl Brown**
B.S. '39, New York State Teachers College
Major, Industrial Education
Plan B
- Joel M. Cantor**
B.A. '46, Brooklyn College
Major, Psychology
Plan B
- Robert Byron Carlson**
B.S. '47, University of Minnesota
Major, Industrial Education
Plan B
- Yun-Chow Chang**
B.A. '28, Hunan Lutheran College (China)
Major, Curriculum and Instruction
Plan B
- Kai-Yuen Chen**
B.A. '28, Hunan Lutheran College
(China)
Major, Education
Plan B
- Chester Stanley Clifton**
B.A. '32, Trinity University
M.A. '38, Duke University
Major, Social Work
Plan B
- Blanche Merry Collier**
B.S. '23, University of Minnesota
Major, Social Work
Plan B
- Francis Patrick Coughlin**
B.S. '41, University of Minnesota
Major, Economics
Plan B
- John Eliot Davies**
B.A. '43, University of Minnesota
Major, Political Science
Plan B
- Leland Joseph Dolan**
B.A. '33, Iowa State Teachers College
Major, Curriculum and Instruction
Plan B
- Eva Miriam Dratz**
B.S. '41, University of Minnesota
Major, Curriculum and Instruction
Minor, Educational Psychology
Thesis, The Value and the Interpretation
of Graphs in the Intermediate Grades
- Leo John Feider**
B.S. '38, University of Minnesota
Major, Social Work
Plan B
- Reino Samuel Freeman**
B.S. '42, Duluth State Teachers College
Major, Zoology
Minor, Entomology
Thesis, The Cestodes of the Canada Por-
cupine, *Erethizon dorsatum* L.
- Virginia Ann Glenn**
B.A. '46, University of Minnesota
Major, English
Plan B
- Rosendo Adolfo Gomez**
Ph.B. '39, University of Vermont
Major, Political Science
Minor, History
Thesis, Federal Intervention in Provincial
Government in Argentina, 1860-1930
- Walter Ballou Gray**
B.A. '26, Cornell College
Major, Educational Psychology
Plan B
- Francis Roger Headley**
B.A. '42, Hamline University
Major, Social Work
Plan B
- William James Henretty, Jr.**
B.S. '46, Superior State Teachers College
Major, Educational Psychology
Plan B
- Fred Ernest Holdrege, Jr.**
B.S. '42, United States Military Academy
Major, Psychology
Plan B
- William Richard Jackson, Jr.**
B.A. '39, University of Miami
Major, Spanish
Plan B
- Roberta Anna Evalin Johnson**
B.S. '47, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Alina Harriette Knipprath**
B.A. '37, University of Omaha
Major, Social Work
Plan B
- Gerald Earl Korzan**
B.S. '40, South Dakota State College
Major, Agricultural Economics
Plan B
- Frederich Awalde Kremple**
B.E. with high honors '36, Superior State
Teachers College
Major, History
Minor, Geography
Thesis, The Establishment of the Latin
Church in Jerusalem in 1099 and Its
Development to the Year 1118

Walter Marvin Larson
B.A. '40, Augustana College (Sioux Falls,
South Dakota)
Major, Social Work
Plan B

Marguerite Rawlins Lindenbaum
B.A. '41, University of Texas
Major, History
Plan B

Valerian Francis Marchildon
B.A. '43, St. John's University
Major, Education
Plan B

Albert Gordon Mudgett
B.S. '42, University of Minnesota
Major, Industrial Education
Plan B

Raymond Arthur Norheim
B.S. '40, Eau Claire State Teachers College
Major, History
Plan B

Harmony Brugger Phillips
B.S. '40, University of Minnesota
Major, Education
Plan B

Harold Gerloch Rainwater
B.A. '41, Carleton College
Major, Economics
Plan B

Albert Rosen
B.A. '39, University of Pittsburgh
Major, Psychology
Plan B

Warren Gamaliel Smith
B.S. '47, Winona State Teachers College
Major, Industrial Education
Plan B

Ruth Evelyn Swanson
B.A. '43, University of Minnesota
Major, Speech
Minor, English
Thesis, A Critical Study of the Speeches
of Thomas E. Dewey during the Presi-
dential Campaign of 1944

Robert Mapes Thomson
B.A. '42, Grinnell College
Major, Psychology
Plan B

Willmar Lorraine Thorkelson
B.A. '40, Concordia College
Major, Journalism
Plan B

Virginia Emmanuel Tsouderos
B.A. '45, University of Oxford
Major, Economics
Minor, Political Science
Thesis, The Greek Income Tax System

Helen Lucille Wardeberg
B.S. '45, Moorhead State Teachers College
Major, Curriculum and Instruction
Plan B

Russell Willard Williamson
B.S. '35, Oregon State College
Major, Industrial Education
Plan B

MASTER OF BUSINESS ADMINISTRATION

Harrison Child Paulus
B.Ch.E. with distinction '45, University
of Minnesota
Major, Business Administration
Plan B

MASTER OF ARTS

In Public Administration

Jane Dunlap Highsaw
B.A. '41, Oberlin College
Major, Public Administration
Thesis, The Mission for Economic Affairs,
London: An Administrative Study

Thomas Page
B.A. '34, University of Kansas
Major, Public Administration
Thesis, The Concept of Suitable Work
in Employment Security Administration

MASTER OF SCIENCE

- Benjamin Stratman Anderson**
B.S. '38, Tuskegee Institute
Major, Agricultural Education
Plan B
- Robert Dwight Benson**
B.S. '42, University of Minnesota
Major, Economic Zoology (Wildlife Management)
Minor, Botany
Thesis, Basic Factors Determining the Waterfowl Productivity on Three Prairie Ponds in 1947
- Bruno Lars Berklund**
B.S. with distinction '42, University of Minnesota
Major, Forestry
Minor, Economic Zoology
Thesis, Winter Use by White-Tailed Deer of Recently Cutover Jack Pine Areas on the Cloquet Experiment Station
- Kwei-Ling Chu**
B.S. '31, National Central University (China)
Major, Botany
Minor, Zoology
Thesis, The Upland Plant Communities of Cedar Creek Forest, Anoka County, Minnesota
- Lloyd George Dewey**
B.S. '44, Southwestern Louisiana Institute
Major, Dairy Husbandry
Minor, Agricultural Biochemistry
Thesis, Extraneous Matter in Cheese
- Clarence Francis Dineen**
B.E. '39, St. Cloud State Teachers College
Major, Zoology
Minor, Botany
Thesis, A Comparative Study of the Food Habits of *Cottus bairdii* and Associated Species of *Salmonidae*
- Laddie Joe Elling**
B.S. '41, Oklahoma Agricultural and Mechanical College
Major, Plant Genetics
Minor, Plant Pathology
Thesis, Vegetative Propagation of Alfalfa, *Medicago sativa*
- Luis Carlos Felix**
Ingeniero Agronomo '45, Escuela Nacional de Agricultura (Mexico)
Major, Plant Pathology
Minor, Plant Genetics
Thesis, The Germination of Certain Basic Types of Mexican Corn
- Albert Clarence Ferguson**
B.S. '39, University of Manitoba
Major, Plant Genetics
Minor, Plant Pathology
Thesis, The Effect of Cage Type and Planting Arrangement on Seed Set in Male Sterile Onions
- Harold Edwin Grier**
B.S. '41, Georgia State College
Major, Animal Husbandry
Plan B
- Darrel Melvin Harris**
B.S. '43, Northeast Missouri State Teachers College
Major, Inorganic Chemistry
Plan B
- Olivia Annette Jensen**
B.S. '44, Bemidji State Teachers College
Major, Zoology
Minor, Bacteriology
Thesis, The Parasites and Commensals of Minnesota Crayfish, *Orconectes virilis* (Hagen)
- James Albert Jones**
B.E. '39, St. Cloud State Teachers College
Major, Zoology
Minor, Botany
Thesis, An Ecological Study of the Wintering Conditions of Pond Snails with Special Reference to *Helisoma trivolvis* Say
- Chung Ying Li**
B.S. '39, National Central University (China)
Major, Agricultural Biochemistry
Minor, Plant Physiology
Thesis, A Comparative Study of the Effects of Nonfat Milk Solids and Soy-flours on the Staling of Bread
- Lloyd Hugh Lyall**
B.S. '36, University of Manitoba
Major, Horticulture
Minor, Plant Genetics
Thesis, Reaction of Strains of Peas to Certain Blight Fungi

Robert Louis Probst

B.S. *summa cum laude* '39, College of
St. Thomas
Major, Analytical Chemistry
Minor, Physical Chemistry
Thesis, A Study of Arsenic and Antimony
with the Dropping Mercury Electrode

Ferdinand A. Quinones

B.S.A. '46, University of Puerto Rico
Major, Plant Genetics
Minor, Agricultural Economics
Thesis, Comparison of the Pedigree and
Backcross Methods for Developing a
Satisfactory Hull-less Barley

Walter Harold Raskin

B.S. in Pet.E. with honors '43, Univer-
sity of Pittsburgh
Major, Physics
Plan B

Mary Vivian White

B.S. '40, University of Manitoba
Major, Home Economics
Minor, Agricultural Biochemistry
Thesis, The Influence of Wear and Lau-
ndering upon Certain Selected Properties
of Four Cotton Fabrics

MASTER OF SCIENCE

In Aeronautical Engineering

Robert Emerson Kruse

B.Aero.E. with distinction '44, University
of Minnesota
Major, Aeronautical Engineering
Plan B

MASTER OF SCIENCE

In Agricultural Engineering

Brajendra Chandra Bagchi

B.E. '33, University of Calcutta
Major, Agricultural Engineering
Plan B

MASTER OF SCIENCE

In Chemical Engineering

James Taber Adams, Jr.

B.S. in Ch.E. '43, Oklahoma Agricultural
and Mechanical College
Major, Chemical Engineering
Minor, Electrical Engineering
Thesis, Crushing Resistance of Minerals

Chung-Tao Kiang

B.S. in Ch.E. '36, National University of
Chekiang (China)
Major, Chemical Engineering
Minor, Metallography
Thesis, Extraction Rates from Porous
Solids

Donald Rust Johnson

B.S. '44, Iowa State College
Major, Chemical Engineering
Minor, Mathematics
Thesis, Variation of High Vapor Pressure
with Temperature for Paraffin and
Mono-Olefin Hydrocarbons

Shen-Shan Hsiao

B.S. '44, National Central University
(China)
Major, Chemical Engineering
Plan B

MASTER OF SCIENCE

In Civil Engineering

Louis Osipov

B.S. in C.E. '46, University of Manitoba
Major, Civil Engineering
Minor, Mechanical Engineering
Thesis, The Action of Composite Beams
of Concrete and Steel

V. Venkatasubramanian

M.A. '42, B.E. '45, University of Madras
(India)
Major, Civil Engineering (Soil Mechanics)
Minor, Civil Engineering (Hydraulics)
Thesis, An Investigation of the Shear
Characteristics of Fargo Clay

MASTER OF SCIENCE

In Electrical Engineering

Alfred Joseph Hoehn, Jr.

B.S. in E.E. '41, Iowa State College

Major, Electrical Engineering

Minor, Mathematics

Thesis, A Critical Study of Bandpass Filter

Circuits with Applications to Television

Intermediate-Frequency Amplifiers

MEDICAL SCHOOL

DOCTOR OF MEDICINE*

Wallace Roger Anderson, B.S., M.B.

William Blair Anderson, B.S., M.B.

Ronald Wayne Barr, B.S., M.B.

Ardell William Diessner, B.S., M.B.

Lois Latts Eil, B.S., M.B., M.S.

Elizabeth Ann Jolly, M.B.

Stuart Dean Kustermann, B.S., M.B.

Bernard Benjamin Levin, B.A., B.S.,
M.B.

Edward Curial Menefee, B.A., M.B.

Truman Albert Newberry, B.S., M.B.

Gerald Nudell, B.S., M.B.

Oliver H. Peterson, Jr., B.A.

Albert Devine Reifel, B.A., M.B.

Troy Gaylord Rollins, B.S., M.B.

Theodore Satersmoen, B.S., M.B.

Morris Hyman Sherman, B.S., M.B.

Lawrence Irving Wolfe, B.S., M.B.

Samuel Zinberg, B.S., M.B.

GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

William Steinhart Benica

B.S. '42, Rutgers University

M.S. '43, University of Minnesota

Major, Pharmaceutical Chemistry

Minor, Physiological Chemistry

Thesis, The Synthesis of Some Substituted
Glutarimides

Major Adviser, Prof. C. O. Wilson

Harry Herman Brugman

B.S. '44, University of Manitoba

M.S. '47, University of Minnesota

Major, Animal Husbandry

Minor, Plant Genetics

Thesis, An Analysis of the Breeding Meth-
ods Employed in the Development of
the Minnesota Number 1 Inbred Line
of Swine at the Minnesota-North Caro-
lina Experiment Station

Major Adviser, Prof. L. M. Winters

Paul Norman Craig

B.S. *cum laude* '41, Hamline University

Major, Organic Chemistry

Minor, Agricultural Biochemistry

Thesis, The Steric Effects of Methylene
Groups

Major Adviser, Prof. R. T. Arnold

Lincoln Ellison

B.A. '31, University of California (Los
Angeles)

M.S. '38, University of Minnesota

Major, Botany

Minors, Biostatistics and Geology

Thesis, Subalpine Vegetation of the Wa-
satch Plateau

Major Adviser, Prof. W. S. Cooper

James Lawrence Collier Ford

B.A. *magna cum laude* '28, Lawrence
College

M.A. '39, University of Wisconsin

Major, Education

Minor, Journalism

Thesis, A Study of the Pre-War Curricula
of Selected Schools of Journalism

Major Advisers, Profs. T. R. McConnell
and R. D. Casey

John Walter Hendrix

B.S. '37, North Carolina State College of
Agriculture and Engineering

M.F. '40, Yale University

Major, Plant Pathology

Minor, Forestry

Thesis, Studies on Inheritance of Stem-
phylium Resistance in Tomatoes

Major Adviser, Prof. E. C. Stakman

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

- Frank Fincher Hooper**
 B.A. '39, University of California (Berkeley)
 Major, Zoology
 Minor, Botany
 Thesis, The Summer Standing Crop of a Small Minnesota Lake
 Major Adviser, Prof. Samuel Eddy
- Nolan Charles Kearney**
 B.S. '24, M.A. '32, University of Minnesota
 Major, Educational Administration
 Minor, Educational Psychology
 Thesis, The Development of Administrative Control in the St. Paul Public Schools
 Major Adviser, Prof. M. G. Neale
- Shams-Ul-Islam Khan**
 B.S. '40, B.S. with honors '42, M.S. '43, University of Punjab
 Major, Plant Genetics
 Minor, Botany
 Thesis, A Cytological Study of the Effect of Temperature on Crossing-Over in Corn
 Major Adviser, Prof. A. O. Dahl
- Arnold Stanley Kitzes**
 B.Ch.E. '39, College of the City of New York
 M.S. in Ch.E. '41, University of Minnesota
 Majors, Chemical Engineering and Dairy Husbandry
 Minor, Agricultural Biochemistry
 Thesis, Factors Influencing the Design and Operation of a Spray Drier
 Major Advisers, Profs. A. E. Stoppel and S. T. Coulter
- Jere Donald Knight**
 B.S. *magna cum laude* '38, St. John's University
 Major, Physical Chemistry
 Minor, Organic Chemistry
 Thesis, A Study of Some Aspects of Photosensitization
 Major Adviser, Prof. R. S. Livingston
- James William Miller**
 B.A. '35, Amherst College
 M.A. '38, University of Minnesota
 Major, Political Science
 Minor, History
 Thesis, The Organization and Significance of Women and Young People within the Major British Political Parties
 Major Adviser, Prof. H. S. Quigley
- Arthur Emanuel Naftalin**
 B.A. '39, M.A. '42, University of Minnesota
 Major, Political Science
 Minor, History
 Thesis, A History of the Farmer-Labor Party of Minnesota
 Major Adviser, Prof. E. M. Kirkpatrick
- John William Richter**
 B.S. with highest honors '42, University of Illinois
 Major, Organic Chemistry
 Minor, Agricultural Biochemistry
 Thesis, Studies in the Mills-Nixon Effect
 Major Adviser, Prof. R. T. Arnold
- Robert George Robinson**
 B.S. '41, Iowa State College
 M.S. '46, University of Minnesota
 Majors, Agronomy and Soils
 Minor, Botany
 Thesis, Annual Weeds, Their Seed Population in the Soil, Their Effects on Small Grain and Flax, and Some Ecological Methods of Control
 Major Advisers, Profs. C. O. Rost and R. S. Dunham
- Julius Seeman**
 B.S. '42, Johns Hopkins University
 M.A. '44, University of Maryland
 Major, Educational Psychology
 Minor, Education
 Thesis, A Study of Preliminary Interview Methods in Vocational Counseling and Client Reactions to Counseling
 Major Adviser, Prof. W. W. Cook
- Savel Benhard Silverberg**
 B.S. '36, University of Idaho
 Major, Plant Pathology
 Minor, Forestry
 Thesis, Factors Affecting the Growth and Survival of *Phytophthora palmivora*
 Major Adviser, Prof. C. M. Christensen
- Joseph Leonard Vodonik**
 B.Ch.E. with distinction '39, University of Minnesota
 Major, Chemical Engineering
 Minor, Public Health
 Thesis, Some Physical Properties of Plastic Materials and Their Relation to Extrusion
 Major Adviser, Prof. C. A. Mann
- Elmer William Ziebarth**
 B.S. '33, Ph.M. '34, University of Wisconsin
 Major, Speech
 Minor, Education
 Thesis, An Investigation of the Listening Habits and the Attitudes toward Radio of Rural Residents of a Composite Service Area
 Major Adviser, Prof. Howard Gilkinson

UNIVERSITY OF MINNESOTA

June Commencement

1948



UNIVERSITY OF MINNESOTA MEMORIAL STADIUM
SATURDAY EVENING, JUNE TWELFTH
NINETEEN HUNDRED FORTY-EIGHT
AT EIGHT-FIFTEEN O'CLOCK

ORDER OF EXERCISES

PRESIDENT JAMES LEWIS MORRILL, Presiding

PROCESSIONAL—

“Marche Militaire II” - - - - - *Schubert*

UNIVERSITY CONCERT BAND
GERALD R. PRESCOTT, Conductor

PRESENTATION OF COLORS

NATIONAL ANTHEM—“The Star-Spangled Banner”

INVOCATION

THE REVEREND GEORGE P. CONGER, B.D., Ph.D.
Professor of Philosophy

CHARGE TO THE CLASS

JAMES LEWIS MORRILL, LL.D.
President of the University

MUSIC—“Inflammatuſ” from Stabat Mater - - - - *Rossini*

RALPH MENDENHALL, Cornet Soloist
UNIVERSITY CONCERT BAND

CONFERRING OF DEGREES

PRESIDENT JAMES LEWIS MORRILL

(Selections played by the University Band as the
candidates march to the platform)

The Crimson Flush March	- - - - -	Alexander
Colonel Bogey March	- - - - -	Alford
The Voice of the Guns March	- - - - -	Alford
Stormy Weather	- - - - -	Arlen
When Irish Eyes Are Smiling	- - - - -	Ball
Mexican Hat Dance	- - - - -	Bennett
The Voice of Freedom	- - - - -	Cailliet
Funiculi, Funicula	- - - - -	Denza
Songs My Mother Taught Me	- - - - -	Gillette
The Last Spring	- - - - -	Grieg
Allegro Maestoso	- - - - -	Handel
El Abanico	- - - - -	Javaloyes
Dance of the Rose Maidens (from Gayne Ballet)	- - - - -	Khachaturian
Gold and Silver	- - - - -	Lehar
Annie Laurie, Cornet Trio	- - - - -	Leonard
RALPH MENDENHALL, ERNEST VILLAS, DONALD SAUNDERS		
Lights Out March	- - - - -	McCoy
Caribbean Fantasy	- - - - -	Morrissey
El Relicario	- - - - -	Padilla
Escapada	- - - - -	Phillips
March and Scherzo (from Love for Three Oranges)	- - - - -	Prokofieff
Themes from the Second Concerto	- - - - -	Rachmaninoff
French Military Marching Song	- - - - -	Romberg
Unfinished Symphony, 1st Movement	- - - - -	Schubert
My Hero	- - - - -	Strauss
Wine, Women and Song	- - - - -	Strauss
Raymond Overture	- - - - -	Thomas
Marche (from The Nutcracker Suite)	- - - - -	Tschaikowsky
Fanfare (from the Invocation of Alberich)	- - - - -	Wagner
Pilgrims Chorus (from Tannhauser)	- - - - -	Wagner
Mannin Veen	- - - - -	Wood

SONG—"Hail, Minnesota"

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

MARSHALS

The following juniors selected on the basis of scholarship have been appointed to serve as student marshals to assist in the conduct of the exercises:

Milton G. Bienhoff
Robert Brockway
James E. DeVay
Clement Doran
Oscar C. Evenson
Jay W. Gildner
Betty Ann Hadley
Hope Halenbeck
Robert B. Haley
Vivian Harriman
Paul R. Hudek

Gilmour M. Krogstad
Edith Moe
Robert Morstad
Bernita E. Olson
Arthur Pearce
Richard N. Schwab
Leonard Strickler
Sherman A. Sundin
Gilbert Thiele
Richard D. Thorsen
Ruth Weltzin

CANDIDATES FOR GRADUATION

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

GENERAL EXTENSION DIVISION

Candidates presented by Julius M. Nolte, B.A., LL.B.,
Dean of University Extension

BUSINESS CERTIFICATE

George Russell Scott, Minneapolis Christine Wickhorst, St. Paul

ENGINEERING CERTIFICATE

Alphy E. Hedberg, Minneapolis

GENERAL COLLEGE

Candidates presented by Horace T. Morse, Ph.D.,
Dean of the General College

ASSOCIATE IN ARTS

Charlotte Lois Abrahamson, Minneapolis	Paula Bomberg, St. Paul
Glenn E. Ahmann, Eyota	Charles Theodore Bosacker, Minneapolis
John J. Andersen, Minneapolis	Richard Raymond Bostrom, Minneapolis
Mary Linner Anderson, Litchfield	James Quentin Broberg, Minneapolis
Robert Gilmore Anderson, Hopkins	Cyrus Cecil Brown, St. Paul
William A. Anderson, Minneapolis	Roy Brown, Minneapolis
Richard Harold Andresen, St. Paul	June Bruer, Minneapolis
Elizabeth Jane Aretz, St. Louis Park	Robert Leland Buckley, Redwood Falls
Pauline Celeste Bacon, Minneapolis	Barbara Jeanne Burns, Robbinsdale
Barbara JoAnne Bakke, Minneapolis	Nancy Joan Bush, Minneapolis
Robert Frank Ballauf, St. Paul	Delores Cabillot, St. Paul
Joan Evelyn Barker, Minneapolis	Graydon Edward Cadwell, Pine River
John Milton Barker, Minneapolis	Mervin Arthur Carll, St. Paul
Frank James Baros, St. Paul	Paul Eugene Carlson, St. Paul
Frank Anton Barrett, Minneapolis	Wallace Alton Carlson, Minneapolis
Harry Emil Baumann, Hopkins	Patricia Louise Cartwright, St. Paul
Richard Arthur Beckstrom, St. Paul	Bernice Frances Celuh, Minneapolis
John Harold Berglund, Minneapolis	Richard Joseph Chenery, St. Paul
Ronald Alvin Berkovitz, St. Paul	Marilyn Elizabeth Cole, Minneapolis
Raymond Joseph Berry, Jr., Minneapolis	Richard Howind Cole, Excelsior
John Arthur Berthiaume, St. Paul	Edward Charles Colosky, Jr., Minneapolis
Phillip James Blien, Fairmont	Walter Richard Colvin, Fairmont
Kenneth Albert Boerger, Minneapolis	Stanley Theodore Constans, Minneapolis
Norman Walfred Bohn, Minneapolis	Leonard Albert Contardo, Duluth

William Harold Cook, Jr., St. Paul
 Paul Bork Cooney, St. Paul
 Charles Hanson Crawford, Jr.,
 Minneapolis
 Robert Earl Crocker, St. Paul
 Donald Roger Cruzen, Minneapolis
 Roger Logan Cudworth, Jr., St. Paul
 Rohland Arthur Dahlquist, St. Paul
 Harold Oscar Danielson, Minneapolis
 Eugene Raymond Danmeier, St. Paul
 Grace Margaret Davis, Minneapolis
 Lambert Alvin Defiel, White Bear Lake
 Thomas Ammon DeFore, Minneapolis
 Kenneth Erwing Deming, Hinckley
 Donald Joseph De Villiers, Rochester
 Dorothea May Dixon, St. Paul
 Richard Alvin Dreher, Minneapolis
 Carlton John Duke, St. Paul
 Donald James Durham, St. Paul
 MaryEllen Dyer, Minneapolis
 Ralph Carl Edberg, Minneapolis
 Donald Gerard Eikos, Minneapolis
 Aspasia Anna Elafros, Minneapolis
 William Hugo Elafros, Minneapolis
 Philip Alden Elwell, Anoka
 Donald Louis Endres, Minneapolis
 Harold Alan Engelstad, Willmar
 Willard Selmer Erie, Faribault
 Duane Robert Euren, Moorhead
 Norman Donovan Fairbanks, Jr.,
 Minneapolis
 Marilyn Mae Fedderly, Minneapolis
 Natalie Dean Feinstein, Minneapolis
 Kenneth Paul Firnstahl, Minneapolis
 Mary Ellen Flingstrom, Minneapolis
 E. Willard Frank, Minneapolis
 Marilyn Jean Franzen, St. Paul
 George William Fredericks, Minneapolis
 Revealine Katherine Gershenovitz,
 Minneapolis
 Barbara Ann Gesell, St. Paul
 Raymond Harold Gibson, St. Paul
 Arthur Whitney Goering, Minneapolis
 Maurice Goldman, Minneapolis
 Charlotte Mary Gombold, St. Paul
 Richard Walter Grabner, Minneapolis
 Conrad Eugene Graves, Jr., St. Paul
 Laenu Adelilah Greenberg, Minneapolis
 Roger Drew Griffis, Minneapolis
 John Thomas Griswold, St. Paul
 Kenneth LeRoy Grossman, St. Paul
 Robert Wayne Gustafson, Minneapolis
 Jack Clifford Hansen, St. Paul
 Warren Thomas Hanson, Canby
 Jack Harvey Harris, Morris
 Douglas Roland Hart, Minneapolis
 Hamel Forbes Hartinger, St. Paul
 Wesley Karl Heyn, Minneapolis
 James Burton Hoag, Minneapolis
 Shirley Louise Hondlik, St. Paul
 Edward Emil Thomas Hudak, St. Paul
 Ronald Earl Huebschen, Minneapolis
 John William Jacks, St. Paul
 Robert Schaefer Jackson, Minneapolis
 Larry Eugene Jeffries, Minneapolis
 Gaylord Johnson, Minneapolis
 Lorraine Victoria Johnson, Minneapolis
 Wayne Clark Johnson, St. Paul
 Ernest Victor Julien, Grand Rapids
 Arlie Robert Juntunen, Minneapolis
 Willard George Juth, Crosby
 Kathleen Joan Kehoe, Minneapolis
 Arnold Emil Kempe, St. Paul
 Doris Lorraine Kenneth, Minneapolis
 Arnold Eugene Kittleson, Minneapolis
 Charles Bernard Koehler, Minneapolis
 Alvis Daniel Koen, Minneapolis
 William Bullard Kohlsaat, St. Paul
 Benjamin Robert Kopacz, Minneapolis
 Herschel Philip Kopman, Minneapolis
 Kenneth Eugene Krogh, Minneapolis
 Leonard Kroman, Minneapolis
 Harold Albert Krueger, Dumnell
 Paul Frederick Kummel, Jr., St. Paul
 Edward Wendell Kvelland, Bricelyn
 Diane Louise Lagersen, Minneapolis
 Dale D. Larson, Albert Lea
 Howard Larson, Minneapolis
 Lillian Elsie Lehmann, St. Paul
 Gerald Aloysius Lemieux, Minneapolis
 Wilbur John Lenihan, Minneapolis
 William Frank Leonhart, Minneapolis
 James Alfred Little, Buffalo
 Thomas George Louris, Rochester
 William Lucky, Minneapolis
 Ian L. S. Mackintosh, St. Paul
 William Gabriel Marchiniak,
 Columbia Heights
 Robert Herman Marwin, Minneapolis
 Thomas Joseph McDermott, Minneapolis
 Robert Anthony McDonald, Minneapolis
 Marian McEachran, Minneapolis
 John Terrence McGowan, Minneapolis
 Genevieve Ann McGrath, Farmington
 Arthur Chandler McWatt, St. Paul
 Robert Donald Meland, Minneapolis
 Steven Peter Meyer, Jr., Minneapolis
 Toby Michalson, Minneapolis
 James Raymond Miller, Minneapolis
 Elizabeth Merritt Mitchell, Duluth
 Byron Odin Moe, Minneapolis
 John Joseph Molloy, Minneapolis
 Kenneth Frank Morgan, Minneapolis
 Edward Anthony Munson, Minneapolis
 Harry Franklin Nelson, Amboy
 George Thomas Newell, St. Paul
 Norma Elizabeth Nickey, Minneapolis
 Donald Frederick Nilsson, Minneapolis
 Phil Spencer Norrdin, Minneapolis
 Miriam Nosowsky, St. Paul
 John Maitland Owens, Duluth
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 Elaine Constance Podd, St. Paul
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 John Barry Read, St. Paul

Arnold Stanley Resnick, Minneapolis
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 James Richard Smith, Stillwater
 Howard Eugene Soper, Minneapolis
 Roger Carl Sorensen, St. Paul
 Jeanne Verdell Stephens, Chicago, Ill.
 Wesley Mitchell Stiles, Minneapolis
 Bruce Franklin Stone, Minneapolis
 Richard Henry Talbot, North Branch

Jerome Dwight Thompson, St. Paul
 Ardyce Janet Thomsen, St. Paul
 Marjorie Pauline Thorpe, Minneapolis
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 Perry George Turgeon, Minneapolis
 William James Van Hercke, Minneapolis
 Creighton Earl Vinton, Minneapolis
 Elfrieda Faith Vollwich, Minneapolis
 Clarence Harlan Wahlstrom, Pipestone
 William Joseph Walsh, Minneapolis
 Stanley Theodore Ward, St. Paul
 Donald Waryan, Minneapolis
 Charles Edward Watson, Minneapolis
 Earl Elliott Weber, St. Paul
 Theodore Remmick Whitten, Minneapolis
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 Robert George Zumberge, Minneapolis

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 Director of the School of Nursing

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 Lois Marie Aasland, Minneapolis
 J. Marilyn Adamson, Kerkhoven
 Shirley Jane Anderson, New Brighton
 Shirley Lorraine Averill, Minneapolis
 Evadeane Hermina Balkema,
 Orange City, Ia.
 Barbara Joan Banik, Grand Forks, N. D.
 Marilyn Ann Baudoin, Annandale
 Julia Ann Bengtson, Minneapolis
 Irene Antoinette Berg, Minneapolis
 Helene Jane Bergseth, Minneapolis
 Elaine Marian Beske, Minnesota Lake
 Evangeline Bitsianes, Hibbing
 Carol Christine Bodell, Otho, Ia.
 Beverly Mae Boekhoff, St. Paul
 Ruth Eleanor Bolstad, Ross
 June Jeannette Boxsted, Minneapolis
 Janet Brown, Mason City, Ia.
 Elizabeth Bullock, Spencer, Ia.
 Mary Ruth Burch, Minneapolis
 Laura Jenson Burdick, B.S.,
 Hudson, Wis.
 Jean Edith Burkland, Denver, Colo.
 Elizabeth Louise Burud, Big Falls
 Jeanne Beverly Casey, Duluth
 Lillian Marie Chivers, Minot, N. D.
 Anna Marie Christian, Glen Lake
 Elizabeth Anne Sneider Clifford,
 Sioux Falls, S. D.

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 Nancy Louise Cook, Wausau, Wis.
 Marilyn Phyllis Cordell, Marin City,
 Calif.
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 Lorraine Isabell Crowell, Duluth
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 Norma Joyce Dalager, Bismarck, N. D.
 Martha Lenore Dallam, Fort Dodge, Ia.
 Beverly Virginia Davies, Spring Valley,
 Ill.
 Marjorie Elizabeth Day, Minneapolis
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 Donna E. Domer, Springville, Ia.
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 Lois Martin Elliott, New York, N. Y.
 Mary Louise Erickson, Duluth
 Gloria Marie Fessler, Minneapolis
 Lola Ann Findreng, Houston
 Marion Jean Fischer, Minneapolis
 Jacqueline V. Gaines, Fort Riley, Kans.
 Charlotte Gilbert, Minneapolis
 Jane I. Gillies, Barnum
 Lois Yvonne Goings, Spokane, Wash.
 Barbara Ellen Gordon, Fort Ripley
 Gladys Ida Gordon, St. Paul

* These degrees are conferred subject to satisfactory completion of nursing practice prior to December 16, 1948.

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 Eleanor Agnes Griffin, Minneapolis
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 Sharon Louise Hill, Brainerd
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 San Bernardino, Calif.
 Evelyn Carolyn Hoffman, Great Falls,
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 Betty Jane Howson, Minneapolis
 Jean Annetta Hurst, St. Paul
 Irene Ruth Irvine, Lake Park, Ia.
 Joyce Rose Isfeld, Porter
 Genevieve Schiltz Jensen, Minneapolis
 Ruth Ethel Jensen, Minneapolis
 Marilyn Jeppesen, Worthington
 Donna Marie Johnson, St. Paul
 Mary Jane Johnston, Minneapolis
 Barbara Alice Jones, Milwaukee, Wis.
 Bette Gertrude Joughin, Estevan, Canada
 Dorothy Frances Kampa, Sherman, S. D.
 Betty Louise Kee, Duluth
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 Philbrook
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 Marvell Elaine Larson, Stanchfield
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 Ia.
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 N. D.
 Fumi Ogata, Helena, Mont.
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 Doris Elaine Wall, New London
 Pauline Helen Westphal, Gettysburg,
 S. D.

Yvonne Gwenneth Wetter, Delano
Doris Heene Wiese, Bigelow
Rosina Alma Wrightman, Sabetha, Kans.

Marguerite Ann Yelacich, Ironwood,
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Dean of the College of Science, Literature, and the Arts

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Ernest Maurice Berkas, Kenyon
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 Montevideo
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 Earl Raymond Truax, Jr., Sac City, Ia.
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†*magna cum laude*

Carol Joyce Eyberg, Nashwauk

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†*cum laude*

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 Marion Leah Levinson, Minneapolis
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In Library Science

†*cum laude*

Eva Marie Nelson, B.A., Minneapolis

Margaret Gallagher Spoo, B.A.
magna cum laude, Waseca

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 Rex Thaddeus Beach, A.A., Stillwater
 Fred Grinnell Bedford, Minneapolis
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 Glenn Orville Benz, Minneapolis
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 Sanford Irvin Berman, Virginia
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 Richard Marshall Brace, St. Paul
 Willis James Brakke, Windom
 Donald Emil Brandt, Wells
 Janet May Breitenbucher, Great Falls, Mont.
 Lowell Reid Brekke, Minneapolis
 Wayne Douglas Breneman, Sherburn
 Richard Ealy Briggs, St. Paul
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 William Claire Broderick, Mandan, N. D.
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 Virgil Neal Brown, Two Harbors
 William Salisbury Brown, B.Aero.E., Minneapolis
 Rosemary Holahan Bruner, Minneapolis
 Dina Burgin, A.A., Duluth
 Lewis Robert Burton, Andover, Mass.
 Alice Eloise Simmons Butler, Minot, N. D.
 Ruth Marie Bystrom, Minneapolis
 Vernon William Cafarella, Minneapolis
 Dorothy L. Callahan, Minneapolis
 Warren Martin Campbell, Montevideo
 Thomas Patrick Cannon, St. Paul
 Audrey Verne Carlson, St. Paul
 Corrine Eleanor Carlson, Minneapolis
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 Samuel Henry Cassidy, Gladstone, Mich.
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 Magdalyne Jeanne Christie, Minneapolis
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 Barbara Bliss Colvin, Minneapolis
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 Elizabeth Stevens Cunliff, Glenview, Ill.
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 Gordon Rupert Dickson, Minneapolis
 James Hetherington Dokken, Cokato
 Dennis Francis Donovan, Jr., Duluth
 Donald Henry Dooley, Minneapolis
 Hilda Dorow, Garner, Ia.
 John Eugene Dougherty, Minneapolis
 Richard Wansbrough Duermer, Detroit Lakes
 Judith Duerr, Brainerd
 Richard Warren Duncan, Minneapolis
 Virginia Lowden Durkin, St. Paul
 Richard Jewell Durrell, Minneapolis
 Peter John Dzubay, Minneapolis
 Earl Wilbur Eli, Minneapolis
 Jessie Anna Ellis, Minneapolis
 Robert Werlich Egan, Luverne
 Betty Ann Erickson, Bemidji
 Donald Milton Erickson, Duluth
 John Quentin Erickson, Minneapolis
 Alice Louise Estes, Minneapolis
 Joan Lillian Eyberg, Minneapolis
 Richard Andrew Falb, St. Paul
 James Noble Farr, Minneapolis
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 Thomas John Foley, Devils Lake, N. D.
 Doris Eileen Franceschina, Minneapolis
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 Doris Emily George, Minneapolis
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 Mont.
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 Sheldon Ivan Greenberg, Minneapolis
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 Laverle Beverly Grinden, Minneapolis
 Arthur LeRoy Griswold, Jr., St. Paul
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 Charles Bennett Gullans, Minneapolis
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 Mary Kathryn Gustafson, Minneapolis
 Thrine Minerva Haga, Plummer
 Robert Frederick Hageman, Sanborn
 Elaine Mildred Hallberg, Minneapolis
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 Alice Jean Hamburg, Minneapolis
 Ralph William Hamer, St. Paul
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 Patricia Louise Hegman, Minneapolis
 Inez Geneva Helgerson, Minneapolis
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 Charlotte Lu Hemberson, Minneapolis
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 Ruth Ann Hermann, Minneapolis

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 Marilyn Christi Link, Minneapolis
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 Gloria Martin, Marshall
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 Joanne Ellen Mehne, Duluth
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 Jean Marilyn Metcalf, Minneapolis
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 Phyllis May Mickelson, St. Paul
 Enid Foss Mickle, Rapid City, S. D.
 Beryl Bernard Miller, Minneapolis
 Garfield Miller, Beulah, N. D.
 Herman Miller, Reading
 Kenneth David Miller, St. Paul
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 Grover Gray Mitchell, Grand Rapids
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 Arvonne Skelton Morgan, Minneapolis
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 Karol Merwin Morphew, Pine River
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 Walter Robert Murray, Minneapolis
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 Mo.
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 Gloria Irene Nelson, Minneapolis
 Lenore Patty Nelson, Minneapolis
 Ruth Marie Nelson, Minneapolis
 Melvin Neren, St. Paul
 Raymond Alfred Newman, Eveleth
 Lorenz Arthur Newton, Hackensack
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Elin Karoline Jensen, Tyler

Ellen Keefe, Foley

BACHELOR OF SCIENCE

(Course in Agricultural Education)

Martin Fred Anderson, Duluth
Wakon Norris Hultstrand, Baudette
Maurice Donald Johnson, Red Wing
Lyle Allen Jolson, Austin
Rudolph George Kezele, Nashwauk
Richard R. Mitton, Long Prairie
Donald William Moeller, Fairmont

Harrison C. Schmiesing, Lucan
Vincent Francis Stotko, Montrose
Melvin Vernon Swanson, A.A., Th.B.,
Chicago, Ill.
Marvin L. Thomsen, Tyler
Clifford Alfred Thoreson, Montrose
Wilton Wendlandt, Albert Lea

(Course in Home Economics Education)

Edith Ann Arneson, Halstad
Lorraine Evelyn Bjorgo, St. Paul
Anna Gisladdottir, Reykjavik, Iceland
Carol Elaine Holm, Atwater

Verna Helene Jacobson, Alexandria
Lois Augusta Landre, Duluth
Katharine Bates Lane, Palmyra, Mo.
Delphi Eleanor Lundberg, Minneapolis

† Candidates graduating with honors are identified by differentiated shoulder insignia.

Joyce Byrnel Marboe, Minneapolis
Mary Catherine Moore, Minneapolis
Lida May Peterson, Parkville
Betty Ruth Brakken Sandager,
Alexandria
Evelyn Bertha Schultz, Waconia

Valera Mae Smith, Dodge Center
Helen Katherine Stephens, Minneapolis
Marilyn Jeanne Hansen Theorin,
Minneapolis
Virginia Mae Wetzler, Minneapolis

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Candidates presented for commission by Lieutenant Colonel William A. Orr, C.E.,
Acting Professor of Military Science and Tactics

Air Reserve, Second Lieutenants

Robert Richard Alderman
Gerald Floyd Ansel
Paul Gottlieb Baer
Robert Winston Battey
Burton Little Benson
Martin Green Brookins
James Winston Busse
Arnold Raymond Dahlberg
Leon Danforth Dominick
Alexander Leonard Donaldson
William Cyril Don Carlos
Roderick Howard Drews
Joseph Melvin Elliott
Arthur Philip Fischer
Duane Wesley Foss
Robert Tilford Fremming
Joseph Louis Frey
Merrill Albert Hansen
Harry James Harper
Delbert Curtis Hastings
George Warren Heller
Clarence Weldon Holtzman, Jr.
Arden John Johnson
Dewain Clifford Johnson
Paul Branscom Kennedy
Ray Joseph Kundtz
Jesse Kay Lair
James Madison Law
James Sylvester Leason
William Philip Lebra
Charles Richard Lindquist
Thomas Levering Lombard
Robert Raymond McClanahan
James Ian McMillan

Philip Finley McNutt
Jon Takushiro Matsuo
Victor Ottomar Meier
Douglas Clarkson Miller
Emerson Warren Mistslske
George Louis Mitchell
Gilbert Wilde Murphy
Rolf Wilton Nelson
Jack Lee Nixon
Thomas L. Noonan
Dennis Harris Olson
Alden Clifford Peterson
Dean Robert Rindy
Alfred Emil Ross
Robert Harlan Rostamo
Howard Edward Sargeant
Clifford Arnold Schroeder
Richard Paul Schumann
Ralph Arthur Stock
Otto Karl Stohr
Harry Theodore Swanson
Orvin Lee Swedburg
Thomas Earl Taus
Julian Clifford Teigen
Roscoe Paul Thorpe
William Joseph Thorpe
Keith Rodney Thorson
James Edwin Turnquist
Richard Dale Weiblen
Alan Jack Wallace
Warren William Wendt
Irvin James Wilson
Raymond Marshall Wollum, Jr.
Robert Bennett Zuehlke

Coast Artillery Corps Reserve, Second Lieutenants

Karl Clifton Anderson
James Richard Andre
Arthur Frederick Calvert
Robert Enoch Carlson
Oma Bruce Cartwright
Russell Edward Christofk
Frederick Daniel Conrad
Robert Eugene Cook
Howard Norman Dahlgren
Edward Harry Davies, Jr.
Donald Owen Dencker
Leroy Eugene Faser
Kenneth Benjamin Fick
Robert Frederick Giese
Melford Llewellyn Hagen
John Lamb Huestis

Julian Joseph Idzorek, Jr.
Clyde Allen Klappenback
Kendall Wayne Korems
Robert Daniel Larson
Julian Wood Lunde
Keith Marshall Lysen
Robert John McCarthy
Robert August Miller
Samuel Leslie Moorhead
David B. Olson
Paul Jules Piccard
Dean Severin Rockman
Richard Kendal Wegner
Jules Marion Winn
Edward George Winter

Quartermaster Corps Reserve, Second Lieutenants

Leo William Adams
Lewis Raymond Bouma, Jr.
Lowell Richard Braun
John Ross Cumming
Leonard Harold DeBernardi
Eugene Leonard Kubes
Arnold Bendik Larson
Solomon Mastbaum
Wesley Jennings Matson
William Vernon Raymond
John Ira Richardson

David Arthur Roden
Arthur Charles Roemer
Peter Francis Ross
Archie Kent Shrewsbury
Theodore Stepoway
Robert Lee Thaves
Clifford Leo Tierney, Jr.
Sheldon Samuel Weinstein
Lyle Harrison Wharton
John Maynard Wordelman

Signal Corps Reserve, Second Lieutenants

Gaylord Anderson
Lawrence Marshall Anderson
Richard Alan Carlson
Elgin George Enabnit, Jr.
Elmer Edwin Fast
Irwin Harold Hackner
John David Harrington

James Lee Kamiske
Robert Frank Kennedy, Jr.
Hugh William Larsen
Robert Williams McKewin
William Theodore Nelson
Harold Arthur Roberts

Transportation Corps Reserve, Second Lieutenants

Clarence Walter Berg
Warren Dean Bergstrom
James Charles Brown
Frederick Carl Claassen
Paul John DeWahl
John Francis Downing
Robert Lawrence Ekstrand
Alfred Thomas Frank
Paul Eric Frykman
Edward Mathew Gerner
Paul Robert Gustafson
Kenneth Ray Haas
Lawrence Edward Hanson, Jr.
Gordon Robert Jagusch

Hays Hamilton Jensen
James Mattson Kinney
William John Larson
Roland Jack Lystad
Robert Townsend McElrath
James Bruce Reed
William Joseph Riley
Edward Walter Sargeant
Dean John Schmitt
Drew Christian Simonson
Harold Andrew Sorenson
Everett William Sweet
James Carroll Williams
Arthur William Youngren

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Candidates presented for commission by Captain Walter C. Holt, U.S.N.,
Professor of Naval Science

Ensigns, U.S.N.

Robert John Harlow

Ronald Roman Oberle

Ensigns, U.S.N.R.

Gordon Lagerson Addington
Robert Max Carstens
Charles Dwight Christopherson
Odean Cole Erickson
Ernest George Jaworski
Bruce Alden Johnson
Karol Merwin Morphew
Clifford LeRoy Nelson

Glenn Richard Rose
LeRoy Herman Rose
Nicholas Bernard Rowe
John Thomas Simonet
Nicholas Frederick Truog
Gedney Tuttle
James Gottlieb Wenzel

LAW SCHOOL

Candidates presented by Everett Fraser, B.A., LL.B.,
Dean of the Law School

BACHELOR OF SCIENCE

In Law

- | | |
|---|---|
| John Alexander Amundson, Bowman,
N. D. | Clarence Joseph McConville, Minneapolis |
| John Ries Bambenek, Minneapolis | John Atmore McHugh, Minneapolis |
| Warren Franklin Bateman, St. Paul | John Lee McKenzie, Virginia |
| Edmund John Belanger, Eveleth | Sheldon Dean McRae, Little Falls |
| Robert Alan Benson, Minneapolis | Robert Chamberlain Mussman,
Minneapolis |
| Sydney Richard Burau, Deerwood | Raymond H. Nordhausen, Alpha |
| James David Cahill, Minneapolis | Evans Warren North, Minneapolis |
| Paul Harrison Cashman, Minneapolis | Stanford Mack Olson, Minneapolis |
| Curtis Lyle Charlson, Kenyon | Dale Carl Paul, St. Paul |
| Douglas Oliver Christgau, St. Paul | Edward Andrew Peterson, Thief River
Falls |
| Bryce Tromburg Christianson, Osceola,
Wis. | Ralph Wesley Peterson, St. Paul |
| William Bennett Christie, Perham | John Jerome Plunkett, St. Paul |
| Henry Harrison Cowie, Jr., St. Paul | Genevieve Ruth Pollock, Hibbing |
| Richard Haines Darby, Owatonna | Walter Edward Pose, Jr., New
Hampton, Ia. |
| Sam Bernard Davis, Minneapolis | George Francis Pougiales, A.A.,
Rochester |
| Joyce Myron Dixon, Long Prairie | Richard Howard Pritikin, Minneapolis |
| James Dorfsman, St. Paul | John Donald Robb, Jr., Albuquerque,
New Mexico |
| Clinton Clarence Fladland, Forest Lake | Donald Eugene Morlan Rockne,
Blooming Prairie |
| John F. Fletcher, Minneapolis | Curtis Lloyd Roy, Duluth |
| Robert Pearl Folsom, St. Paul | James Patrick Ryan, St. Paul |
| Craig Potter Gilbert, Duluth | Homer Arvid Saetre, Henning |
| Michael Daly Goblirsch, Perham | John Robert Sandefur, Winona |
| James Edward Maury Gottlieb,
Minneapolis | Gilbert John Schlagel, Howard Lake |
| George Poulin Gurley, Pipestone | Irene Florence Scott, Minneapolis |
| Wallace Frank Gustafson, Bird Island | Isabel Jean Severson, Canby |
| Emanuel Gylser, Los Angeles, Calif. | Wesley Sizoo, San Gabriel, Calif. |
| Louise Alvina Herou, Minneapolis | Edward Norman Sorlie, Minneapolis |
| Dolores L. Hill, A.S., Eveleth | James Smith Swenson, Rochester |
| William Irving Holbrook, Minneapolis | Joseph Geris Thornton, Alexandria |
| Earl Duane Jacobsen, Albert Lea | Benjamin Vander Kooi, Edgerton |
| Bruce Benjamin James, Haugen, Wis. | Clague Arthur Van Slyke, Benson |
| Lawrence H. James, Los Angeles, Calif. | John Robert Wareham, Minneapolis |
| Dorain Erling Jensen, Luck, Wis. | John James Welch, Minneapolis |
| Charles Clayton Johnson, Mankato | David Keller Wendel, Milwaukee, Wis. |
| Dean Kimball Johnson, Minneapolis | Allen Whitman, St. Paul |
| Kenneth Buxton Jones, So. St. Paul | James Malcolm Williams, Minneapolis |
| Keith Dunlap Kennedy, Lead, S. D. | Lorene Dorothy Wolf, Minneapolis |
| Thomas P. Krebsbach, St. Paul | Sigwel Wood, Algona, Ia. |
| Robert Eugene Lee, Caledonia | |
| Robert John Lemm, St. Paul | |
| Irving Lifson, Minneapolis | |
| John Paul Lommen, St. Paul | |

BACHELOR OF LAWS

- | | |
|---|--|
| Paul Thomas Aitken, B.S.L., Minneapolis | Irving Gilman Davis, B.A., Storrs, Conn. |
| Robert Sheley Auten, B.E.E., Minneapolis | Richard Sylvester Dobis, B.A., St. Paul |
| Charles Edward Bailly, Webster, S. D. | John Joseph Doherty, B.S.L., Minneapolis |
| Edmund John Belanger, Eveleth | Robert Stephen Ersted, B.S.L.,
Minneapolis |
| Arthur Blooston, B.S.L., Minneapolis | Gale Wallace Freeman, B.B.A., Zumbrota |
| Hof David Boe, B.A., Northfield | Harold Gold, B.S., Minneapolis |
| Hosmer Andrew Brown, B.A.,
Minneapolis | Charles Stauffer Hadley, B.S.L.,
Superior, Wis. |
| Edward Thorwald Christian, A.A.,
B.S.L., Glenville | Richard Orval Hanson, B.S.L.,
Minneapolis |
| Hyman Harry Cohen, B.S.L., St. Paul | |

Harry James Harper, B.A., Duluth	Charles Verner Moren, B.A., St. Paul
Richard Tallman Hart, Jr., B.A., Moose Lake	Judd Stevens Mulally, B.A., St. Paul
Thomas Richard Hautman, B.A., Minneapolis	Hartley Nordin, B.S.L., Rush City
Lawrence Clifford Hedeem, B.A., St. Paul	Roger Fred Noreen, B.S.L., Duluth
Floran Eugene Herring, B.S.L., St. Paul	Ladean Alfred Overlie, B.S., Carlton
Robert William Irvine, B.A., Primghar, Ia.	William Harlan Perbix, B.S.L., Hopkins
Owen Allen Johnson, B.S.L., Minneapolis	John Robert Person, B.S.L., St. Paul
Vincent E. Johnson, B.A., Minneapolis	Warren Francis Plunkett, B.A., Austin
John Raymond Kelly, B.A., Minneapolis	Chester Seymour Rank, B.A., Minneapolis
Jerome Martin Kolander, B.A., Slayton	John Rolf Reigstad, B.A., Minneapolis
William Joseph Kraker, B.S.L., Gilbert	William Maugridge Robb, B.A., Minneapolis
John Everett MacGibbon, B.A., Minneapolis	Perry Justin Robinson, B.A., Jamestown, N. D.
Clark MacGregor, B.A., Minneapolis	Robert VanHorn Tarbox, B.A., St. Paul
Donald Jerome Merriman, B.A., Minneapolis	Charles Tatsuda, B.A., Ketchikan, Alaska
	Doran J. von Unschuld, B.S.L., Minneapolis
	James Louis Wanvig, B.S.L., Minneapolis
	Robert Arthur Wurst, B.A., Greenwald

MEDICAL SCHOOL

Candidates presented by Harold S. Diehl, M.A., M.D., D.Sc.,
Dean of the Medical Sciences

BACHELOR OF SCIENCE

†with high distinction

(Course in Medical Technology)*

Ruth Maxine French, Pawpaw, Mich.

(Course in Public Health Nursing)

Ruth Elise Miller, Askov

Helen Bower Phillips, R.N., Minneapolis

BACHELOR OF SCIENCE

†with distinction

(Course in Medical Technology)*

Barbara Jeanne Bruner, Minneapolis

Mary Joan Peterson, Minneapolis

Jean Eleanor Grantman, Red Wing

Mary Louise Stuhlfauth, Wausau, Wis.

(Course in Occupational Therapy)

Valerie Elwood, St. Paul

(Course in Physical Therapy)

Rosalie Mary Erspamer, B.A., Hibbing

Florine Prusak, Chisholm

Helen Rosemary Hazen, Yakima, Wash.

Ruth Jeanette Thvedt, B.A., Alamo, N. D.

(Course in Public Health Nursing)

Lillie Harrietta Anderson, R.N., Blue
Earth

Esther Florence Minges Lyman, R.N.,
Lemmon, S. D.

Elaine Cording Baker, G.N., Kearney,
Neb.

Edith Lucille Norris, Minneapolis

Gloria Marie Fessler, Minneapolis

Herman Roskamp, R.N., Cedar Falls, Ia.

Edna C. Jennings, Battle Creek, Mich.

Helen May Wood, Spencer, Ia.

Laura Ann Kerr, St. Paul

Lois Caroline Zaiser, St. Paul

* These degrees are conferred subject to satisfactory completion of required practical work prior to December 16, 1948.

† Candidates graduating with honors are identified by differentiated shoulder insignia.

BACHELOR OF SCIENCE

(Course in Medical Technology)*

Elizabeth Jane Andrews, Bemidji	Phyllis Elizabeth Lund, St. Paul
Artemis Cornelia Bougas, Bismarck, N. D.	Gertrude Edna Marsh, Anoka
Evelyn Bricker, Winnipeg, Canada	Beverly Lou McCord, St. Paul
Marian Borghild Brunsdale, B.A., Minneapolis	Florence Mary Misjuk, Minneapolis
Joan Elizabeth Champion, Spencer, Ia.	Ruth Marie Mlekoday, Minneapolis
Joanne Margaret Davey, Eveleth	Marjorie Rae Nelson, Sioux City, Ia.
Betty Jean Dreesman, Titonka, Ia.	Jean Marie Oleson, Chippewa Falls, Wis..
Jeul Maxine Eide, Crookston	Jean Ellen Rath, Cedar Falls, Ia.
Verna Jean Gartland, Fertile	Charlotte May Rohr, St. Paul
Joyce Elizabeth Huffman, Harvey, N. D.	Marlys Joan St. Cyr, Robbinsdale
Leone King, St. Paul	Joan Avis Schlosser, Robbinsdale
Gloria Lorraine Kinney, Minneapolis	Ella Marie Spanjers, Minneapolis
	Florence Wesley Swensen, Duluth

(Course in Medicine)

John Howard Allen, St. Paul	Naomi Gene Lund, Wolf Point, Mont.
David Duberg Allison, B.A., Brainerd	M. Wesley Marans, B.A., Butte, Mont.
Sol Austrian, B.A., St. Paul	Ralph Frederick Meincke, Minneapolis
William Albert Autrey, Aitken	Robert John Meyer, B.A., Minneapolis
Paul Gregory Bauer, B.A., White Bear Lake	Charles Frederick Miller, Long Prairie
James Russell Bergquist, B.A., Minneapolis	John Patrick Moran, B.A., St. Paul
Harry Henderson Billings, Pine Island	Charles Henry Nelson, Lake Park
Frank Julius Bonello, Duluth	Norman Albert Nelson, Minneapolis
Charles Seamans Brisbin, Minneapolis	David Dean Norman, B.A., Crookston
William Claire Broderick, Mandan, N. D.	Stephen Theodore Normann, Jr., B.A., St. Paul
Martin Beil Callan, Lewiston	Mark Eugene Odland, B.A., Minneapolis
Charles Vincent Carlson, Minneapolis	John Benjamin O'Leary, Waverly
Philip Dixon Christensen, B.A., St. Paul	Donald Lawrence Olson, Minneapolis
Henry Weiskopf Cohen, Minneapolis	Melvin Gerhard Oppen, Spicer
Edward Patrick Donatelle, Minneapolis	Neil Merald Palm, Minneapolis
John Joseph Dwyer, Fargo, N. D.	Paul Andrew Peterson, Jr., Mountain Iron
Henry Victor Eastman, Minneapolis	Konald Arthur Prem, St. Cloud
Evan Sherman Ellison, B.A., Minneapolis	Robert Frederick Premer, St. Paul
Matthew Gruber, Minneapolis	Arthur Benajhar Quiggle, Minneapolis
Allan Murray Gunn-Smith, Minneapolis	Kenneth Berton Romness, Sacred Heart
John Burton Hayes, St. Paul	John Elihu Rosander, Minneapolis
Dwight Carroll Hoeg, B.A., <i>magna cum laude</i> , Lake View, Ia.	Alois McKeon Scheidel, Mankato
Alan R. Hopeman, B.A., Moorhead	Thomas Semba, Minneapolis
Arvid Jerome Houglum, Perley	Marcus Ignatius Shelander, B.A., Minneapolis
Gerald E. Howe, St. Paul	John Sims Solhaug, Minneapolis
John Edward Indihar, Chisholm	Michael Paul Sperl, Jr., St. Paul
Warren Douglas Jensen, Little Falls	Clifford Jennings Stadem, Minneapolis
Chester Willard Johnson, Jr., Excelsior	Jack Warren Strand, St. Paul
Edward Alfred Johnson, B.A., Virginia	Edward William Swenson, B.A., Omaha, Neb.
Roger Stanley Johnson, B.A., St. Paul	George Tadashi Tani, B.A., St. Paul
Robert Donald Kochsiek, St. Paul	Albert "L." Walonick, Minneapolis
John Kosiak, Chisholm	Walter Llewellyn Wilder, B.A., <i>magna cum laude</i> , Minneapolis
Leighton Walter Larson, Humboldt, S. D.	Robert George Ziegler, Cambridge
Roger Clarence Larson, Minneapolis	
John Holzheid Lerversee, Minneapolis	
Barton Leonard Lewis, St. Paul	

* These degrees are conferred subject to satisfactory completion of required practical work prior to December 16, 1948.

(Course in Occupational Therapy)

Alice Louise Coleman, Minneapolis	Lorraine Goodrich Miller, East Grand Forks
Kathleen Mary Connors, St. Paul	Winifred Phelps, Minneapolis
Helen Elizabeth Harding, Minneapolis	Elizabeth Ann Rex, Milwaukee, Wis.
Gloria Joan Law, Minneapolis	Sylvia May Staven, East Grand Forks
Margerylou Lisherness, Minneapolis	Ann Armeda Stephens, Minneapolis

(Course in Physical Therapy)

Laura Marie Becklund, Minneapolis	Raymond Joseph Rabideau, Duluth
William Higley Matschke, Minneapolis	Ruth Lorraine Helgersson Ross, Minneapolis
Margaret Norma Meyer, Duluth	Barbara Joan Schultz, Warroad
Ralph Gregory Ohrn, Chicago, Ill.	Helen Lois Sundell, Geneva, Ill.
Robert Lester Polk, Minneapolis	

(Course in Public Health Nursing)

Iva Fern Amundson, Slayton	Dorothy Bertille McFadden, R.N., Letts, Ia.
Margaret Frances Ayers, R.N., St. Cloud	Muriel Mae McIntire, Hutchinson
Evangeline Bitsianes, Hibbing	Janice Cecelia McKie, Bessemer, Mich.
Caroline Elizabeth Blankshain, R.N., Chicago, Ill.	Marguerite Rose Juel Meyers, Morris
Albina Anne Bozym, Rockford, Ill.	Dolores Virginia Neils, Sauk Rapids
Anna Marie Christman, Glen Lake	Helen Louise Nelson, Milbank, S. D.
Martha Lenore Dallam, Fort Dodge, Ia.	Jeanne Marie Odencrantz, Two Harbors
Wava Loraine Dixon, Bozeman, Mont.	Fumi Ogata, Helena, Mont.
Delila Ione Duske, G.N., Montrose	Audrey Jean Ostberg, St. Paul
Ruth Evelyn Edstrom, St. Paul	Genevieve Carolyn Osterfeld, Bird Island
Irene Rosalie Gable, Minneapolis	Mary Anne Palmer, Minneapolis
Charlotte Gilbert, Minneapolis	Eleanor Anne Peden, R.N., Fairfield, Mont.
Harriet J. Gustafson, Minneapolis	Patricia Peyton, Minneapolis
Catherine Elizabeth Haas, R.N., St. Paul	Mary Louise Rollins, Winsted, Conn.
Verle Hambleton, Isle	Belle Jeannette Rosenstock, Topeka, Kans.
Marie Bernice Haugen, R.N., Sebeka	Marjorie Ann Rudisuhle, Sandstone
Ruth Ellen Heikura, R.N., Virginia	Kathryn Sandberg, G.N., Zumbrota
Mildred Elmina Hepola, R.N., Sebeka	Myrna Lautenslager Shannon, St. Paul
Hazel C. Herrick, Chatfield	Laura Emma Smith, R.N., Big Lake
Frances Beatrice Hoffner, Eveleth	Ruth Perin Stryker, G.N., St. Paul
Alma T. Hovde, Minneapolis	Dorothy Haar Tessmer, Rogers
Maurine Pearl Hurd, R.N., Dilworth	Betty Jean Warden, Ballantine, Mont.
Pauline Eleanor Johnson, G.N., Center City	Evelyn Ethel Weigold, Winsted, Conn.
Irene Burdick Kimel, Madison, Wis.	Pauline Helen Westphal, Gettysburg, S. D.
Myrna Jean Klaff, Mankato	Helen Zenkovich, R.N., Sioux City, Ia.
Vida Rose Linn, Kansas City, Mo.	
Jeanne Allison Ludwig, St. Louis Park	

*(Course in X-Ray Technology)**

Leonette Eloise Neslund, Mentor

BACHELOR OF MEDICINE

Regime Ann Aronow, B.A., B.S., Shelby, Mont.	Alexander Marius Boysen, B.S., Pelican Rapids
Joseph James Asta, Jr., B.A., B.S., Brooklyn, N. Y.	Robert Glen Bridge, B.S., Midland, Mich.
Jesse John Barron, B.S., Minneapolis	Donald George William Brooking, B.S., Minneapolis
Anthony Joseph Bianco, Jr., B.S., Duluth	Irving Harold Chevlen, B.S., Youngstown, Ohio
Leland Merle Bitner, B.S., Kinsley, Kans.	Richard Louis Conde, B.S., Duluth
Norbert Paul Blochowiak, B.S., Pulaski, Wis.	Robert Francis Conway, B.S., Mankato
Priscilla Day Boekelheide, B.A., B.S., Robbinsdale	Windon Hewett Davis, B.S., Rochester
	Donald Evensta Derauf, B.S., St. Paul

* This degree is conferred subject to satisfactory completion of required practical work prior to December 16, 1948.

Eugene John Diefenbach, Jr., B.S.,
Chattanooga, Tenn.
Jeanne Dahl Diefenbach, B.S.,
Minneapolis
John Hammill Draheim, B.S., Neenah,
Wis.
Laura Elaine Edwards, B.A., St. Paul
John Emery Egdahl, B.S., Eau Claire,
Wis.
Ruby Maria Engstrom, B.S., M.S.,
Gladstone, Mich.
Myron Elwood Erickson, B.S.,
Minneapolis
Philip Hubert Fensterer, Jr., B.S.,
Oyster Bay, N. Y.
Robert John Fink, B.S., Minneapolis
William Herbert Goodnow, Sioux City,
Ia.
Clayton Robbie Green, B.S., Bozeman,
Mont.
James William Halvorson, B.S., Brainerd
George Winfield Heine, Jr., B.S., Austin
Lucille Jeanette Hoiland, B.S., Duluth
Leong Yale Woo Hom, B.S., Minneapolis
Loren Joel Jacobson, B.S., Rugby, N. D.
Robert Travis Jensen, B.A., B.S.,
Williams
Sheldon William Joseph, B.S., Chicago,
Ill.
Robert Michael Joyer, B.S., Minot, N. D.
Warren Andrew Kadas, B.S., Farmington
James Edward Kelsey, B.S., Loch
Arbour, N. J.
Ervin Arthur Kjenaas, B.S., Minneapolis
Fred Henry Koenecke, Jr., B.S., Ceylon
Paul J. Kushner, B.A., B.S., Brooklyn,
N. Y.
Joyce Sansen Lewis, Jr., B.S., Long
Prairie
Harold David Locketz, B.S., Minneapolis
Jeanette Kraemer Lowry, B.A., M.A.,
Minneapolis
Fred Madenberg, B.S., Chicago, Ill.
Philip Marcus Margolis, B.A., B.S.,
St. Paul
Margaret Mary McCabe, B.S.,
Minneapolis
J. Victor Monke, B.A., M.A., Ph.D.,
Litchfield, Ill.
Vernon Emil Neils, B.S., Sauk Rapids
Clifford Edward Nelson, B.S.,
Minneapolis
Charles A. Neumeister, B.S., Minneapolis
Harry William Orme, B.S., Wheat Ridge
Colo.
Edward Antone Pasek, A.A., B.S.,
Cloquet
Vernon Fred Perrigo, B.S., Minneapolis
John Robert Pfrommer, B.S., Lafayette,
Ind.
Rex Arthur Pittenger, B.A., Minneapolis
John Webster Raattama, B.A., Nashwauk
John Porter Reed, Jr., B.A.,
Plantsville, Conn.
Dan Reikes, B.S., Bronx, N. Y.
Arnold Olin Rholi, B.S., Minneapolis
Helen M. Safford, B.S., Minneapolis
Richard James Salk, B.S., Sauk Rapids
John Bryant Sanford, B.S., Minneapolis
Harry Edward Schneider, Jr., B.S.,
Grove City
Thomas Clement Smersh, B.S., Owatonna
Stanley J. Sontag, B.S., Mankato
Charles Curtis Strong, B.A., Chehalis,
Wash.
William Eugene Taylor, Pomeroy, Ia.
Mary Eleanor Thornton, B.S., Lansing,
Ia.
Jolyon Simeon Tucker, B.S., Beverly
Hills, Calif.
Hildegard Josephine Virnig, B.S., B.A.,
Pierz
James Otis Wall, B.S., St. Paul
George Joseph Wernette, B.S., Firth,
Idaho
Louis Jolyon West, B.S., Madison, Wis.
John Irving Williams, B.S., Evanston, Ill.
Gloria Ru-wen Wong, B.A., B.S.,
Albert Lea
Joe Yamamoto, B.S., Los Angeles, Calif.

MASTER OF HOSPITAL ADMINISTRATION

Ralph Bergh Bersell, B.A., Minneapolis
Joseph Earl Debord, B.S., Minneapolis
Arthur G. Hennings, B.B.A., Mankato
Franklin P. Iams, B.A., Washington, Pa.
Robert Ervin Johnson, B.A. in Bus.
Adm., Alliance, Ohio
Helen LaVon Lueck, Benson
Robert Alden Molgren, B.A., Kalamazoo,
Mich.
Roger Ben Samuelson, B.S. in Econ.,
Minneapolis
Owen Bernard Stubben, B.A.,
Minneapolis
Richard Walter Trenkner, B.B.A., St.
Paul

MASTER OF PUBLIC HEALTH

Hector Abad-Gomez, M.D., Medellin,
Colombia
Lila May Atkisson, B.A., Long Beach,
Calif.
Elmer Edgar Bertolaet, B.A., M.D.,
Palmyra, Wis.
Mildred Lena Bickmann, B.S., Winsted
Anne Burns, B.S., Columbus, Ohio
Chester Charles Burski, M.D., Chippewa
Falls, Wis.
John Oscar Buxell, B.S. in Chem. E.,
M.S., St. Louis, Mo.

Mary Kathryn Carmack, B.Ed., Milan, Ill.
 Alice Louise Darling, B.A., M.B., M.D., Minneapolis
 Lillian May Derflinger, B.S., Lancaster, Ohio
 Marguerite Eleanor Green, B.S., Farina, Ill.
 Frederick F. Heisel, B.S., Minneapolis
 Ramona Borree Hopkins, B.S., Hayward, Calif.
 Bao Hwang Kai, M.D., Nanking, China
 Harold Nelson Kingsbury, B.S. in C.E., Ashland, Wis.
 Chi Tung Koo, B.S. in C.E., Wuhsi, China

Dacia Marie Kuske, B.S., Olivia
 Mary Inez Lorenz, B.S., Oklahoma City, Okla.
 Julio Munoz Puglisevich, Lima, Peru
 Federico Reyes, M.D., Mexico, D.F., Mexico
 Angel Porfirio Sanchez G., D.Sc., M.D., Comayagueta Rep. of Honduras
 Daniel Perry Trullinger, B.A., M.D., Oregon City, Ore.
 Francisco B. Vazquez B., B.S., M.D., Portorriejo, Ecuador
 Roland Eugene Zook, B.Ed., M.S., Springfield, Ill.

SCHOOL OF DENTISTRY

Candidates presented by William H. Crawford, D.D.S.,
 Dean of the School of Dentistry

GRADUATE DENTAL HYGIENIST

Mildred Elaine Andres, St. Paul
 Reva Jean Bannister, Minneapolis
 Edna Jeanne Brendal, St. Paul
 Mary Augusta Brett, Regina, Canada
 Marlyn Alice Brom, Benson
 Loretta Cecelia Buckley, Mankato
 Catherine Leigh Carson, Sioux Falls, S. D.
 Bernice Isabelle Duncan, Rosholt, S. D.
 Patricia Marie Gill, Appleton
 Mary Jo Griffin, Minneapolis
 Joan Mardell Gustafson, Minneapolis
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 George Warren Peterson, Mayer
 Mary Jane Peterson, Excelsior
 Raymond Eugene Peterson, Northome
 Richard Lowry Peterson, Minneapolis
 Virginia Mae Peterson, Minneapolis
 Ralph Robert Pettyjohn, Minneapolis
 Robert Jackson Pond, Minneapolis
 Leo Stephen Pontius, Minneapolis
 Robert Lemuel Porter, Minneapolis
 William Whitaker Porter, Minneapolis
 John Charles Pratt, Duluth
 Martin Eugene Raskin, Iron Mountain,
 Mich.
 James Bruce Reed, Minneapolis
 Warren Arthur Reich, Holloway
 Franklin Norman Renstrom, B.M.E.,
 St. Paul
 Thomas Lindell Roddy, Robbinsdale
 Thoralf Isaac Ronningen, Ames, Ia.
 Raymond Horace Rouse, Duluth
 Robert Lloyd Rouze, Austin
 Howard LeRoy Russ, Maple Plain
 Roy Livingstone Rustad, Hawley
 Walter Adolph Rydberg, Minneapolis
 Edmund Frank Rydell, B.E.E.,
 Minneapolis
 Howard Andrew Sahlstrom, Onamia
 Roland Frank Salmonson, St. Paul
 Kenneth Harold Schaffer, St. Paul
 Ardell Orville Schei, Taylor, Wis.
 Harold Everett Schepper, Frazee
 Harry Peter Schoen, Jr., Hastings
 Jack Scott, Minneapolis
 Harold Hirsh Segal, Duluth
 Yutaka Semba, Tacoma, Wash.
 Ernest Robert Severson, Hopkins
 Norman Shimakawa, Stockton, Calif.
 Howard Silver, Minneapolis
 William Murray Silver, Minneapolis
 John Thomas Simonet, Stillwater
 Drew Christian Simonson, Minneapolis
 Merna Ada Singer, Wells
 William Weiss Sipkins, Minneapolis
 Harvey Enggaard Skaar, Minneapolis
 Carlyle Melvin Smestad, Swanville
 Lyle George Smith, Dent
 William Martin Smock, Minneapolis
 Neil Thomas Sorensen, Minneapolis
 John Starr, Tracy
 William Harvey Starr, Jr., Minneapolis
 June Beverly Stein, Minneapolis
 William Thomas Stoll, Pierz
 William Stone, Minneapolis
 Philip Boyer Suffel, Duluth
 Oliver Horace Takaichi, Minneapolis
 John Marston Tarbox, Shell Lake, Wis.
 William Charles Tedlund, Duluth
 Charles Robert Thorne, St. Paul
 Neal Tilsner, St. Paul
 Benjamin Theodore Traub, Mason City,
 Ia.
 Stephen Morgan Treacy, St. Paul
 Norman Walter Tuck, St. Paul
 Edward Willott Tunstall, Minneapolis
 Gedney Tuttle, Hopkins
 Calvin E. Ulrich, Minneapolis
 James Allan Vose, St. Paul
 Joseph Nick Vranish, Roundup, Mont.
 Donald Roger Wagner, Minneapolis
 Lorraine Alice Wagner, Minneapolis
 Ben Wakagawa, Weiser, Idaho
 Robert Francis Walch, Rollingstone
 John William Wallis, St. Paul
 Roger Louis Walser, Mankato
 Louis Donald Ward, St. Cloud
 Eugene Melvin Warlich, St. Paul
 Henry Tuckwell Warner, Minneapolis
 Roy Edward Week, St. Paul
 Sheldon Samuel Weinstein, Minneapolis
 James LeRoy White, Minneapolis
 Charles Wiersch, Duluth
 Richard Winkley Wiessner, St. Paul
 Robert Albert Wiessner, St. Paul
 Charles Franklin Wildasin, Minneapolis
 Robert Nelson Winterer, Minneapolis
 Lloyd Malin Winthrop, Minneapolis
 Betty Jean Wood, Albert Lea

Noboru Don Yamada, Minneapolis
Samuel Smith Yngve, Minneapolis
Donald George Zahn, Minneapolis

Eugene Anthony Zierhut, Minneapolis
Kenneth Lee Zinser, B.S. in Naval Tech.,
Goldfield, Ia.

BACHELOR OF SCIENCE

In Economics

Roger Elmer Bengston, Minneapolis
Walter Blumst, Minneapolis
Bernice Mildred Erickson, Minneapolis
Robert Valleen Gustafson, Minneapolis
Lionel Gilbert Kahn, Minneapolis
Stanley Roe Nelson, St. Paul

Audrey Edith Oestreich, White Bear
Lake
Richard Robert Radatz, Minneapolis
Lawrence John Remington, Hibbing
Charles George Skinner, Minneapolis
Ray Fredrick Toivonen, Minneapolis
George Gotthart Uhlenkott, Minneapolis

UNIVERSITY COLLEGE

Candidates presented by J. W. Buchta, Ph.D.,
Chairman of the University College Committee

BACHELOR OF ARTS

†magna cum laude

Roger Eugene Anderson, Minneapolis
Kenneth William Deters, Houston

William Frank Feller, St. Paul
Edith Myrtle Johnson, White Bear Lake

BACHELOR OF ARTS

†cum laude

Paul Fodness Ives, St. Croix Falls, Wis.

Marian Genevieve McKenzie, Kimball

BACHELOR OF SCIENCE

†cum laude

Harlyn Odell Halvorson, Minneapolis

BACHELOR OF ARTS

Karen Amundson, Duluth
Dorothy Louise Anderson, Minneapolis
David Dean Brubacher, St. Paul
Frederick Hughes Clapp, St. Paul
Shirley Ann Copaken, Kansas City, Mo.
Beverley Margaret Cosler, Minneapolis
Bettie Joy Devitt, St. Paul
Raymond William Foley, Minneapolis
Leonard Everett Griffith, Minneapolis
Clem Bernard Holmgard, A.A., Council
Bluffs, Ia.
Aileen Margaret Hompe, St. Paul
Gwen Claire Kane, Pittsburgh, Pa.
Fred Hansen Kobler, Minneapolis
Shirley Henderson Lufkin, A.A., St. Paul

Alice Marie Hansen Marken, St. Paul
William Morris McRostie, Lake City
Ruth Agnes Olson, Starbuck
Gloria June Richardson, Mound
Dean Robert Rindy, Henning
Noah Schanfield Rosenbloom, Minneapolis
Shirley Anne Roth, Minneapolis
Barbara Faye Rucker, St. Louis Park
Paul Shinobu Saito, Minneapolis
Terrence Charles Salt, Minneapolis
Judith Leah Shapiro, Minneapolis
Jack Fred Shearer, Portland, Ore.
Gloria Mae St. Laurence, Minneapolis
James Fredrick Taylor, Herndon, Va.
Herbert Francis Webster, Minneapolis

BACHELOR OF SCIENCE

Richard William Blaisdell, Minneapolis
Donald Joseph Finney, Wadena
Herbert Julian Howe, West
Stephentown, N. Y.
Orville Shattuck Howe, West
Stephentown, N. Y.
Richard Ames Larson, Minneapolis

George Todd Martin, St. Paul
Doree Annette Most, St. Paul
Shirley Noodelman, Minneapolis
Robert Ferris Pomeroy, Minneapolis
Vernay Numsen Reindollar, LeSueur
Mary Alice Rekucki, Minneapolis
Janet Marjorie Wray, Minneapolis

† Candidates graduating with honors are identified by differentiated shoulder insignia.

GRADUATE SCHOOL

Candidates presented by Theodore C. Blegen, Ph.D., L.H.D., Litt.D.,
Dean of the Graduate School

MASTER OF ARTS

- | | |
|--|--|
| <p>Gerald Robert Ahlquist, Minneapolis
B.S. '41, University of Minnesota
Major, Mathematics
Plan B</p> | <p>Glenn H. Card, Duluth
B.S. '29, University of Minnesota
Major, Educational Administration
Plan B</p> |
| <p>Richard Sanford Alm, Minneapolis
B.S. '42, University of Minnesota
Major, Curriculum and Instruction
Plan B</p> | <p>Robert Edward Clark, Wichita, Kans.
B.S. '45, University of Minnesota
Major, Journalism
Plan B</p> |
| <p>Astrid Anderson, Warren
B.S. '44, Moorhead State Teachers College
Major, Speech
Plan B</p> | <p>Elvira Wieriman Clarke, Hibbing
B.S. '37, University of Minnesota
Major, Political Science
Plan B</p> |
| <p>Paul Severt Anderson, Iron
B.B.A. '46, University of Minnesota
Major, Economics
Minor, Mathematics
Thesis, Post-war Changes in Corporation
Financial Flows</p> | <p>Romeyn Clarke, St. Paul
B.A. '39, University of Minnesota
Major, Social Work
Plan B</p> |
| <p>David William Belcher, Minneapolis
B.B.A. with distinction '39, University of
Minnesota
Major, Economics
Minor, Psychology
Thesis, Some Economic Factors Conditioning
Employment Levels in a Service Industry</p> | <p>John Norman Clausen, Minneapolis
B.S. '43, University of Minnesota
Major, Industrial Education
Plan B</p> |
| <p>Robert Louis Berg, Duluth
B.A. '36, University of Redlands
Major, Political Science
Plan B</p> | <p>William Charles Crowley, Dorchester,
Mass.
B.S. <i>cum laude</i> '47, Boston University
Major, Journalism
Minor, Economics
Thesis, The Cost Structures of Daily News-
paper Circulation Departments in the
United States and Canada</p> |
| <p>Liesel Bertuch, Minneapolis
B.A. '45, Hunter College
Major, English
Plan B</p> | <p>Chester Eugene Dekko, Ada
B.S. in N.T. '46, B.M.E. '47, University
of Minnesota
Major, Economics
Plan B</p> |
| <p>William Russell Biggam, Minneapolis
B.S. '47, Duluth State Teachers College
Major, Industrial Education
Plan B</p> | <p>Bob Eddy, St. Paul
B.A. <i>summa cum laude</i> '40, University of
Minnesota
Major, Journalism
Minor, Political Science
Thesis, An Investigation into the Relation-
ship between Newspapers and the Carrier-
Salesmen</p> |
| <p>Valborg Birkeness, St. Paul
B.S. '28, University of Minnesota
Major, Curriculum and Instruction
Plan B</p> | <p>George Jahnel Edwards, Montgomery,
W. Va.
B.A. '45, Harvard College
Major, English
Plan B</p> |
| <p>Robert Eugene Black, Minneapolis
B.A. '46, Wayne University
Major, Journalism
Plan B</p> | <p>Robert Laurie Ellison, Minneapolis
B.A. '40, University of Minnesota
Major, International Relations
Plan B</p> |
| <p>Roger Kellogg Blakely, Barnum
B.A. <i>cum laude</i> '43, Macalester College
Major, American Studies
Plan B</p> | <p>Ih-chi Fan, Nanking, China
B.A. '33, University of Nanking
Major, Curriculum and Instruction
Plan B</p> |
| <p>Richard Clayton Brower, Coleraine
B.S. with distinction '32, University of Min-
nesota
Major, Curriculum and Instruction
Plan B</p> | <p>Edward Fred Foltmer, Minneapolis
B.E. '39, St Cloud State Teachers College
Major, Educational Administration
Plan B</p> |
| <p>Dorothy Hawley Campbell, Minneapolis
B.A. <i>cum laude</i> '43, University of Minnesota
Major, Zoology
Minor, Entomology
Thesis, The Study of Earthworm Populations
and Dynamics in a Series of Habitats</p> | |

- Ione Dorothy Furman, Minneapolis
B.S. '47, University of Minnesota
Major, Speech Pathology
Minor, Child Welfare
Thesis, An Experimental Investigation of
Binaural and Monaural Discrimination in
the Normal and Hard of Hearing
- Lawrence Elmer Giles, Clarkston, Wash.
B.A. '36, B.E. '46, State College of Wash-
ington
Major, Educational Psychology
Plan B
- Alvin Charles Gluek, Jr., Wayzata
B.A. '44, Dartmouth College
Major, History
Plan B
- James Leroy Green, Millwood, Wash.
B.A. with honors '41, State College of
Washington
Major, Economics
Minor, History
Thesis, An Analysis of the St. Paul-Min-
neapolis Building Trades Labor Market
with Reference to the Marginal Produc-
tivity Theory of Wages
- Harold James Gulde, St. Cloud
B.E. '43, St. Cloud State Teachers College
B.S. '47, University of Minnesota
Major, Statistics
Plan B
- Carl Rudolph Hammarberg, Minneapolis
B.A. '32, Gustavus Adolphus College
Major, Educational Administration
Plan B
- Louis Miller Hansen, St. Paul
B.S. '35, University of Minnesota
Major, Psychology
Plan B
- Joseph Francis Heininger, St. Paul
B.A. '44, University of Minnesota
Major, History
Plan B
- George Troxell Hemphill, Oak Park, Ill.
B.A. '47, Kenyon College
Major, English
Minor, Philosophy
Thesis, Six Uses of Metaphor
- Hans Herbert Hiedemann, Winona
B.S. '45, Winona State Teachers College
Major, Industrial Education
Plan B
- Franzena Mary Jackson, Kansas City,
Kans.
B.A. '46, University of Kansas
Major, Social Work
Plan B
- Donald Dale Janson, Richland, Mich.
B.J. '43, University of Missouri
Major, Journalism
Plan B
- Bertram Frederick Samuel Janzow,
St. Paul
Graduate '36, Concordia Theological Semi-
nary
Major, English
Plan B
- Margaret Mary Jebb, Minneapolis
B.S. '45, University of Minnesota
Major, Educational Psychology
Plan B
- Jens Trygve Jensen, Staten Island, N. Y.
B.S. *cum laude* '43, Wagner Memorial
Lutheran College
Major, Educational Psychology
Plan B
- John Vernon Jensen, Lindstrom
B.A. '47, Augsburg College
Major, History
Plan B
- Howard V. Jessop, Logan, Utah
B.S. '32, Utah State Agricultural College
Major, Social Work
Plan B
- Ellen Stewart Kahanu, Honolulu, Hawaii
B.E. '40, University of Hawaii
Major, Social Work
Plan B
- Arthur Phillip Kautz, Minneapolis
B.A. '47, University of Minnesota
Major, History
Plan B
- Myron Leo Kennedy, Minneapolis
B.S. '46, St. Cloud State Teachers College
Major, History
Plan B
- Elizabeth May King, St. Paul
B.S. '40, University of Minnesota
Major, Social Work
Plan B
- William Cyrus Kinsey, New Ulm
B.A. '43, Macalester College
Major, International Relations
Plan B
- Claire Edith Kleinschmit, Oshkosh, Wis.
B.A. *cum laude* '44, Ripon College
Major, Education
Plan B
- Roberta Tupper Latvala, Galesburg, Ill.
B.A. '44, Knox College
Major, American Studies
Plan B
- Kalman Alan Lifson, Minneapolis
B.S. in N.T. with high distinction '46,
University of Minnesota
Major, Business Administration
Plan B
- Howard Burbeck Lyman, Minneapolis
B.A. '42, Brown University
Major, Psychology
Plan B
- Lucile C. McCauley, Minneapolis
B.S. '39, University of Minnesota
Major, Curriculum and Instruction
Plan B
- William John McDonald, Duluth
B.A. '34, Carleton College
Major, Education
Plan B
- Leslie Clyde McKeen, Marshalltown, Ia.
B.A. '35, Grinnell College
Major, French
Plan B
- Walter E. Mielke, Rush City
B.E. '39, St. Cloud State Teachers College
Major, Educational Psychology
Plan B

- Robert James Moore, Minneapolis
B.S. '45, University of Minnesota
Major, Industrial Education
Plan B
- Richard August Narvaez, San Antonio,
Texas
B.S. '43, Concordia Teachers College
Major, Spanish
Plan B
- Arnold Gerhard Nelson, Stillwater
B.A. '41, Hamline University
Major, American Studies
Plan B
- John Jalmar Nelson, Minneapolis
B.S. '41, Duluth State Teachers College
Major, Educational Administration
Plan B
- Thomas Amos Nelson, Jr., Minneapolis
B.A. '46, University of Minnesota
Major, History
Plan B
- Jeanne Lola Niles, Evansville, Ind.
B.S. '46, Indiana University
Major, Social Work
Plan B
- Charles William O'Connell, St. Paul
B.S. '43, University of Minnesota
Major, Educational Administration
Plan B
- Eileen Jane O'Connell, Estes Park, Colo.
B.A. '45, Colorado State College of Educa-
tion
Major, Statistics
Plan B
- Ruth Jost Odland, Sioux Falls, S. D.
B.S. *magna cum laude* '45, University of
South Dakota
Major, Education
Minor, Educational Psychology
Thesis, A Study of the Business Cur-
riculum in Public Secondary Schools in
the State of Minnesota in Communities
of 10,000 and Under with a Detailed
Study of Two Counties Selected as Typical
- Kenneth Ellery Ogren, Mound
B.S. with high distinction '42, University
of Minnesota
Major, Statistics
Plan B
- Esther Judith Olson, Minneapolis
B.S. '45, University of Minnesota
Major, Speech
Plan B
- John Beidler Orr, St. Paul
B.S. '36, University of Minnesota
Major, American Studies
Plan B
- Robert Reiley Owens, Minneapolis
B.A. '41, Dickinson College
Major, English
Plan B
- Janis Louise Pallister, Rochester
B.A. *cum laude* '46, University of Minne-
sota
Major, French
Minor, English
Thesis, A Comparative Study of the *Mar-
no Faliero* of Lord George Byron and the
Marino Faliero of Casimir DeLavigne
- Eleanor VanDyke Pearson, Uniontown,
Pa.
B.A. *summa cum laude* '29, Waynesburg
College
Major, Linguistics
Plan B
- Edith Barney Petersen, Minneapolis
B.S. '33, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Lawrence Herbert Peterson, Minneapolis
B.A. '47, University of Minnesota
Major, History
Plan B
- Raymond Conrad Peterson, St. Paul
B.A. '34, Macalester College
Major, Educational Administration
Plan B
- Caecilie Dorothea Pieper, St. Paul
B.A. '30, St. Olaf College
Major, English
Plan B
- James Edwin Popovich, Chisholm
B.A. '47, University of Minnesota
Major, Speech
Plan B
- Stanley Gaynor Potter, Stillwater
B.S. '40, St. Cloud State Teachers College
Major, Educational Psychology
Plan B
- Marie Redlinger, Minneapolis
B.S. '42, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Alice Elinor Renard, Green Bay, Wis.
B.A. '45, University of Minnesota
Major, Social Work
Plan B
- Guy Anthony Renzaglia, Virginia
B.S. '39, George Washington University
M.Ed. '41, University of Minnesota
Major, Educational Psychology
Plan B
- Harold Richardson, Owatonna
B.A. '46, University of Minnesota
Major, Psychology
Plan B
- Emilou Pressly Robbins, Fort Worth,
Texas
B.A. '42, University of Texas
Major, Social Work
Plan B
- Howard Murray Robbins, Mantorville
B.Phys. '47, University of Minnesota
Major, Physics
Minor, Mathematics
Thesis, On the Stability of Homogeneity of
Cosmological Models
- Ruth Roberts, St. Paul
B.A. '46, University of Minnesota
Major, Psychology
Plan B
- Russell Frederick Roth, Minneapolis
B.A. *cum laude* '47, University of Minne-
sota
Major, English
Minor, Philosophy
Thesis, William Faulkner: An Experiment
in Existential Reading

- Mary Polson Ruffenach, Minneapolis
B.S. '39, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Emanuel Wilson Sandberg, Jr.,
Minneapolis
B.A. '47, University of Colorado
Major, Economics
Plan B
- Gertrude Rita Shiely, St. Paul
B.A. '42, College of St. Catherine
Major, Social Work
Plan B
- George Albin Soderberg, Menomonie,
Wis.
B.S. '44, Stout Institute
Major, Industrial Education
Plan B
- George Norten Stanley, St. Paul
B.S. '47, University of Minnesota
Major, Educational Administration
Plan B
- William Alva Swain, Minneapolis
B.A. '46, University of Minnesota
Major, History
Plan B
- Barbara Price Swan, Madison, Wis.
B.S. '45, University of Wisconsin
Major, Educational Psychology
Plan B
- Ruth Ellen Swanbeck, Springfield
B.S. '40, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Elmer L. Swanson, St. Paul
B.S. '35, University of Minnesota
Major, Industrial Education
Plan B
- Sigurd Melvin Swenson, Hettinger, N. D.
B.A. '46, Augsburg College
Major, Political Science
Plan B
- William Coats Tanner, Jr., St. Paul
B.S. '43, University of Utah
Major, Psychology
Plan B
- Gerald Howard Thorson, Menomonie,
Wis.
B.A. '43, Augsburg College
Major, American Studies
Thesis, Peer Stromme, Norwegian-American
- Else Grete Togle, Andalsnes, Norway
Exam. Phonetics '45, University of Oslo
Major, English
Plan B
- Janine Victorine Truffert, Cherbourg,
France
Cert. '46, College of Law, University of
Paris
B.A. '47, Whitman College
Major, International Relations
Plan B
- Evelyn Ann Unes, Peoria, Ill.
B.S. '46, University of Minnesota
Major, Speech
Plan B
- Arnold Oscar Wahlberg, Sandstone
B.A. '40, Gustavus Adolphus College
Major, Social Work
Plan B
- Ethel Corey Wall, Minneapolis
B.S. '25, University of Minnesota
Major, Curriculum and Instruction
Plan B
- Irving Holt Wallace, Wayzata
B.B.A. with distinction '39, University of
Minnesota
Major, Economics
Minor, Psychology
Thesis, Sales Forecasting by the Individual
Manufacturer
- David Russell Wartinbee, La Crosse,
Wis.
B.M. '34, University of Wisconsin
Major, Political Science
Plan B
- George Edward Wilkinson, Anoka
B.S. '42, Arkansas A. and M. College
Major, Educational Psychology
Plan B
- Charles Everett Wilson, Oxford, Nebr.
B.A. '44, Nebraska State Teachers College
Major, Industrial Education
Plan B
- Howard Messick Winholtz, Omaha,
Nebr.
B.S. '40, University of Omaha
Major, Business Administration
Plan B
- John Purvis Woods, St. Paul
B.A. with honors '40, Wheaton College
B.Theol. '43, Princeton Seminary
Major, English
Minor, Linguistics
Thesis, Platonic and Pauline Imagery in the
Poetry of Byron
- Francis Scott Yeager, Houston, Texas
B.A. '37, University of Western Ontario
Major, Economics
Minor, History
Thesis, The Madison Case and the Oil In-
dustry

MASTER OF BUSINESS ADMINISTRATION

- George Howard Swanson, Glenview, Ill.
B.S. '47, University of Minnesota
Major, Business Administration
Plan B

MASTER OF ARTS

In Public Administration

- | | |
|--|---|
| <p>Helen Andreen Bergman, St. Peter
 B.A. '42, Gustavus Adolphus College
 Major, Public Administration
 Thesis, The Communications System of the United States Department of State As It Pertains to the Foreign Service</p> | <p>Robert Barrett Morris, Mankato
 B.S. '42, University of Minnesota
 Major, Public Administration
 Plan B</p> |
| | <p>Kenneth Edward Rindt, Sheboygan, Wis.
 M.A. '41, University of Wisconsin
 Major, Public Administration
 Plan B</p> |

MASTER OF SCIENCE

- | | |
|---|---|
| <p>Hanumappa Ramappa Arakeri, Dharwar, India
 B.S. '40, Bombay University
 Major, Agronomy
 Minor, Soils
 Thesis, Cold Resistance of Various Legumes and Grasses in Early Stages of Growth</p> | <p>Lloyd Rulon Hunsaker, Logan, Utah
 B.S. '35, Agricultural College of Utah
 Major, Dairy Husbandry
 Plan B</p> |
| <p>Frederick Garland Bock, Minneapolis
 B.A. '47, University of Minnesota
 Major, Organic Chemistry
 Plan B</p> | <p>Jane Evelyn Hyde, Summit, N. J.
 B.A. <i>magna cum laude</i> '43, Radcliffe College
 Major, Physiology
 Minor, Physiological Chemistry
 Thesis, An Analysis of Cholinergic Effects on the Cerebral Cortex with Special Reference to Convulsive Activity</p> |
| <p>Lois Eleanor Catterson, San Jose, Calif.
 B.Sc. '46, University of Manitoba
 Major, Home Economics
 Plan B</p> | <p>Eunice Jacobson, Story City, Ia.
 B.S. '40, Iowa State College
 Major, Home Economics Education
 Plan B</p> |
| <p>Jose Alberto de Mattos, Pelotas, Brazil
 B.S. '44, Escola de Agronomia Eliseu Maciel
 Major, Plant Genetics
 Minor, Plant Pathology
 Thesis, Genetic Studies of Glossy Seedlings in Corn</p> | <p>Gladys Glee Jacobson, Minneapolis
 B.S. '16, University of Minnesota
 Major, Home Economics Education
 Plan B</p> |
| <p>John David DesPrez, Jr., Canton, Ohio
 B.A. <i>cum laude</i> '42, Harvard College
 M.D. '46, Harvard Medical School
 Major, Pathology
 Minor, Physiology
 Thesis, The Juxtaglomerular Apparatus of the Hypertensive Kidney</p> | <p>Charles Edward Jahren, Austin
 B.Phys. '46, University of Minnesota
 Major, Physics
 Plan B</p> |
| <p>Radhanath Dwivedi, Cuttack, India
 B.A. '33, Ravenshaw College
 M.A. '35, Patna College
 Major, Agricultural Economics
 Plan B</p> | <p>Elizabeth Jennings, St. Paul
 B.S. '43, University of Minnesota
 Major, Physiological Chemistry
 Minor, Bacteriology
 Thesis, The Use of Radioactive Phosphorus in a Phosphorus Turnover Study of Mouse Liver Cell Nuclei</p> |
| <p>Leroy Everett Everson, St. Paul
 B.S. with distinction '39, University of Minnesota
 Major, Agronomy
 Minor, Botany
 Thesis, The Effect of 2,4-Dichlorophenoxyacetic Acid and Other Selective Herbicides on Flax and on the Weeds Found in That Crop</p> | <p>Fazlur Rahim Khan, Gulimam, Pakistan
 B.S. '33, M.S. '37, Aligarh Muslim University
 M.S. '47, University of California
 Major, Horticulture
 Minor, Plant Genetics
 Thesis, The Germination and Weight of Hybrid Tomato Seeds Using Table Talk and Penn Orange Varieties as Male and Female Parents Respectively in Several Crosses</p> |
| <p>Catherine Rose Evertz, Minneapolis
 B.Chem. '46, University of Minnesota
 Major, Physical Chemistry
 Minor, Mathematics
 Thesis, A Study of the Solubilities of NaI, RbI, and CsI in Acetone</p> | <p>Waino John Kortesmaki, St. Paul
 B.S. '35, University of Minnesota
 Major, Agricultural Education
 Plan B</p> |
| <p>Betty Thomas Girling, Robbinsdale
 B.A. '40, B.S. '47, University of Minnesota
 Major, Curriculum and Instruction
 Plan B</p> | <p>Lawrence Yung-Lu Li, Canton, China
 B.S. '37, Lingnan University
 Major, Dairy Husbandry
 Plan B</p> |
| <p>Austin Joseph Hayden, LeSueur
 B.S. '47, University of Minnesota
 Major, Agricultural Economics
 Plan B</p> | <p>Margaret Louise Moen, Hanks, N. D.
 B.S. '42, University of North Dakota
 Major, Home Economics
 Plan B</p> |

- Thomas Andrew Nickerson, Davis, Calif.
B.S. '43, University of California
Major, Dairy Husbandry
Minor, Agricultural Biochemistry
Thesis, Packaging of Butter
- James Willard Nielsen, Kearney, Neb.
B.S. '45, Nebraska State Teachers College
Major, Physical Chemistry
Plan B
- Henry Nupson, Redwood Falls
B.S. *magna cum laude* '45, University of
Dubuque
Major, Dairy Husbandry
Plan B
- Walter Henry Pierce, Raleigh, N. C.
B.S. with honors '36, North Carolina State
College of Agriculture and Engineering
Major, Agricultural Economics
Minor, Economics
Thesis, An Economic Study of the Turkey
Enterprise on North Carolina Farms, 1946
- Charles Marshall Riley, Chicago, Ill.
B.S. '42, University of Chicago
Major, Geology
Minor, Meteorology
Thesis, A Petrographic Study of the Gun-
flint Formation Near Loon Lake, Ontario
- Robert Mayfield Riley, Minneapolis
B.A. '43, Park College
Major, Mathematics and Mechanics
Plan B
- Emma Underhill Searles, Urbana, Ill.
B.A. '44, Vassar College
Major, Analytical Chemistry
Plan B
- Dean Seyward Smith, Brandon, Canada
B.S. '37, University of Manitoba
Major, Entomology
Minor, Agricultural Biochemistry
Thesis, Some Effects of Moderately Low
Temperatures on the Growth, Feeding, and
Longevity of Immature Stages of *Melano-
plus differentialis* (Thos.)
- Ronald Keith Sorem, St. Paul
B.A. '46, University of Minnesota
Major, Geology
Plan B
- Henry Bradshaw Stelfox, Lacombe,
Canada
B.S. '42, University of Alberta
Major, Agronomy
Plan B
- Earl Raymond Swanson, Rankin, Ill.
B.S. with highest honors '43, University of
Illinois
Major, Agricultural Economics
Plan B
- Paul Erhard Teschan, Shorewood, Wis.
B.S. '46, University of Minnesota
Major, Physiology
Minor, Anatomy
Thesis, The Influence of Increased Tempera-
ture on the Reactivity of the Cerebral
Cortex
- Norma Oresta Thor, Grand Rapids
B.S. '39, University of Minnesota
Major, Home Economics
Minor, Agricultural Biochemistry
Thesis, The Effect of Fasting and Various
Dietary Regimens upon Blood Sugar
Levels
- Robert Gene Tucker, St. Paul
B.A. with high distinction '40, Southwest
Missouri State Teachers College
Major, Physiological Hygiene
Minor, Physiological Chemistry
Thesis, The Excretion of Riboflavin in
Normal Young Men
- Harvey Martin Vollrath, Quincy, Ill.
B.S. '29, Colorado State College of Agricul-
ture and Mechanic Arts
Major, Dairy Husbandry
Plan B
- Martin Wyler, St. Paul
B.S. '47, University of Minnesota
Major, Agricultural Economics
Plan B
- Kang Yao, Tungcheng, China
B.S. '39, National Central University
Major, Entomology
Minor, Plant Pathology
Thesis, Population Studies on Rice Weevil,
Sitophilus oryzae L., with Special Refer-
ence to Damage and Mold Growth

MASTER OF SCIENCE

In Aeronautical Engineering

- Eugene Edzards Covert, Norfolk, Nebr.
B.Aero.E. '46, University of Minnesota
Major, Aeronautical Engineering
Plan B
- George V. Deneff, Wright
B.Aero.E. '46, University of Minnesota
Major, Aeronautical Engineering
Plan B
- Earl Robert Hinz, Minneapolis
B.Aero.E. with distinction '47, University of
Minnesota
Major, Aeronautical Engineering
Plan B
- Robert George Lusian, Robbinsdale
B.S. in N.T. '46, B.Mech.E. '47, B.Aero.E.
'47, University of Minnesota
Major, Aeronautical Engineering
Plan B
- Donald Franklin Melton, Los Angeles,
Calif.
B.S. in N.T. with distinction '46, University
of Minnesota
Major, Aeronautical Engineering
Minor, Mathematics
Thesis, A Method of Analysis for Design of
a Multiple Cell Stratosphere Balloon

MASTER OF SCIENCE

In Agricultural Engineering

- James Pei-Chung Hsu, Hsiakong, China
B.S. '41, National Central University
Major, Agricultural Engineering
Plan B
- Arthur David Meppen, Racine
B.Ag.E. with high distinction '46, University
of Minnesota
Major, Agricultural Engineering
Minor, Civil Engineering
Thesis, A Field Study of the Depth and
Spacing of Tile Drains in Webster Soil

MASTER OF SCIENCE

In Chemical Engineering

- Robert Carl Johnson, Minneapolis
B.Ch.E. '47, University of Minnesota
Major, Chemical Engineering
Minor, Physical Chemistry
Thesis, The Effect of Automatic pH Control
in the Electrolytic Production of Sodium
Chlorate
- Robert Thomas Johnson, Red Wing
B.S. in Ch.E. with honors '43, Montana
State College
Major, Chemical Engineering
Minor, Mathematics and Mechanics
Thesis, The Surface Velocity of Liquids
Flowing Isothermally in a Thin Film
down a Vertical Circular Pipe
- Chi Ouyang, Nanking, China
B.S. '39, University of Nanking
Major, Chemical Engineering
Plan B

MASTER OF SCIENCE

In Civil Engineering

- Yeong-chiou Chiang, Changchow, China
B.S.E. '42, National Wu-Han University
Major, Civil Engineering
Plan B
- Jack Waitt Whitehurst Cormack,
Winnipeg, Canada
B.S. in C.E. '44, University of Manitoba
Major, Civil Engineering (Sanitary Engi-
neering)
Minor, Civil Engineering (Hydraulic Engi-
neering)
Thesis, Variations in the Quantity and
Quality of Sewage and Their Effect on
Plant Design and Operation
- Joseph Maria Forns, Hartford, Conn.
B.C.E. '42, College of the City of New York
Major, Civil Engineering (Hydraulic Engi-
neering)
Minor, Civil Engineering (Highway and
Soils Engineering)
Thesis, Flow in a Triangular Channel with
Varied Boundary Roughness
- Santosh Kumar Mukhopadhyay, Calcutta,
India
B.S. '39, B.E. '44, University of Calcutta
Major, Civil Engineering (Structural Engi-
neering)
Minor, Civil Engineering (Highway and
Soils Engineering)
Thesis, Experiments on Earth-pressure on
Flexible Walls
- Robert Windom Rosene, Lincoln, Nebr.
B.C.E. with distinction '45, University of
Minnesota
Major, Civil Engineering
Plan B
- Jack Earl Rosenlund, Fort Worth, Tex.
B.S. in C.E. '44, Southern Methodist
University
Major, Civil Engineering
Plan B
- Charles Edward Sponagle, Brooklyn,
N. Y.
B.C.E. '43, Manhattan College
Major, Civil Engineering
Minor, Public Health
Thesis, Factors Affecting the Efficiency of
Sewage Trickling Filters
- Ernest C. Tsivoglou, New York, N. Y.
B.C.E. '43, Manhattan College
Major, Civil Engineering
Minor, Public Health
Thesis, The Significance of River Sludge
Deposits

MASTER OF SCIENCE

In Mechanical Engineering

- Charles Albert Amann, St. Paul
B.S. in N.T. with distinction '46, University
of Minnesota
Major, Mechanical Engineering
Plan B
- George Elliott Anderson, Minneapolis
B.M.E. with distinction '44, University of
Minnesota
Major, Mechanical Engineering
Plan B

Vincent Wester Anderson, Minneapolis
B.M.E. '43, University of Minnesota
Major, Mechanical Engineering
Plan B

John Harland Dittfach, Minneapolis
B.S. with distinction '47, University of Minnesota
Major, Mechanical Engineering
Minor, Mathematics and Mechanics
Thesis, The Starting Problem of a Small Diesel Engine

Donald Warren Grunditz, Minneapolis
B.M.E. with distinction '43, University of Minnesota
Major, Mechanical Engineering
Minor, Electrical Engineering
Thesis, Characteristics of Heat Flow into the Ground from a Concrete Floor Panel

Marvin Norman Lee, Flandreau, S. D.
B.S. in M.E. '46, University of Texas
Major, Mechanical Engineering
Plan B

Donald Allen Nelson, Minneapolis
B.M.E. '42, University of Minnesota
Major, Mechanical Engineering
Plan B

David L. Rosenstein, Istanbul, Turkey
B.S. in M.E. '46, Robert College
Major, Mechanical Engineering
Plan B

Newman Siegler, New York, N. Y.
B.M.E. '42, College of the City of New York
Major, Mechanical Engineering
Plan B

Leonard Velander, Jr., Milwaukee, Wis.
B.S. in M.E. '43, University of Wisconsin
Major, Mechanical Engineering
Plan B

MASTER OF SCIENCE

In Dermatology and Syphilology

Isadore Fisher, St. Paul
B.S. '35, M.D. '36, University of Minnesota
Major, Dermatology and Syphilology
Minor, Bacteriology
Thesis, The Histochemical Localization of Lipase Acid and Alkaline Phosphatase in Human Skin

MASTER OF SCIENCE

In Medicine

George Emerson Brown, Rochester
B.A. '36, University of Michigan
M.D. '39, University of Minnesota
Major, Medicine
Minor, Physiology
Thesis, Continuous Vasodilatation in the Extremities Produced Reflexly: Physiologic Studies on Temperature of Skin and on Volume Flow of Blood and Therapeutic Studies of Patients with Peripheral Vascular Disease

Richard Everett Carpenter, Shawnee, Okla.
B.A. '39, University of Colorado
M.D. '43, University of Chicago
Major, Medicine
Minor, Pathological Anatomy
Thesis, Leukemia and the Central Nervous System

Horace Emerson Cromer, Jr., Charlottesville, Va.
B.S. '38, Hampden-Sydney College
M.D. '42, Medical College of Virginia
Major, Medicine
Minor, Pathologic Anatomy
Thesis, Gastric Acidity in Cases of Adenomatous Gastric Polyps

Lowell Lawrence Henderson, Kokomo, Ind.
B.A. '37, M.D. '41, Indiana University
Major, Medicine
Minor, Pathologic Anatomy
Thesis, Intercapillary Glomerulosclerosis

Milo David Leavitt, Jr., Beloit, Wis.
M.D. '40, University of Pennsylvania
Major, Medicine
Minor, Physiology
Thesis, A Study of the Action of Benadryl in the Skin of Human Beings

Leonard Louis Lovshin, Chisholm
B.S. '35, M.D. '39, University of Wisconsin
Major, Medicine
Minor, Pathologic Anatomy
Thesis, Peripheral Neuritis in Periarteritis Nodosa—a Clinicopathologic Study

Dorothy Macy, Jr., New York, N. Y.
B.A. '40, Swarthmore College
M.D. '44, Woman's Medical College
Major, Medicine
Minor, Clinical Investigation
Thesis, The Treatment of Migraine with Histamine

Harold Margulies, Sioux Falls, S. D.
B.A. '38, University of Minnesota
B.S. '40, University of South Dakota
M.D. '42, University of Tennessee
Major, Medicine
Minor, Physiology
Thesis, The Coagulation Time of Blood in
Silicone Tubes

Alvin Randolph Sweeney, Jr., Boston,
Mass.
B.A. '35, M.D. '39, Harvard University
Major, Medicine
Minor, Pathologic Anatomy
Thesis, The Pulmonary Lesions of Periar-
teritis Nodosa

James Lynn Turner, Stockton, Calif.
M.D. '41, Northwestern University
Major, Medicine
Minor, Surgical Pathology
Thesis, Histoplasmosis: a Clinical-Patho-
logical Study

Lester Eugene Wold, Cando, N. D.
B.A. '35, B.S. '36, University of North
Dakota
M.D. '38, Rush Medical College
Major, Medicine
Minor, Pathologic Anatomy
Thesis, Gastro-Intestinal Tract Lesions in
Periarthritis Nodosa

MASTER OF SCIENCE

In Neurosurgery

Robert Ford Mabon, Niagara Falls,
N. Y.
B.A. '33, Wesleyan University
M.D. '38, Harvard University
Major, Neurosurgery
Minor, Neuropathology
Thesis, Astrocytomas, Astroblastomas and
Glioblastoma Multiforme of the Cere-
bellum

MASTER OF SCIENCE

In Obstetrics and Gynecology

Thomas Welsh McElin, Aurora, Ill.
B.A. *summa cum laude* '42, Dartmouth
College
M.D. '44, Harvard University
Major, Obstetrics and Gynecology
Minor, Surgical Pathology
Thesis, Splenectomy in Women of the Child-
bearing Age: Its Possible Effect upon Fer-
tility and the Course of any Subsequent
Pregnancies

Russell John Paalman, Grand Rapids,
Mich.
B.A. '34, Hope College
M.D. '38, University of Michigan
Major, Obstetrics and Gynecology
Minor, Surgical Pathology
Thesis, Actinomyces of the Ovaries and
Fallopian Tubes

MASTER OF SCIENCE

In Orthopedic Surgery

Donald Rowe Lannin, Minneapolis
B.S. '40, M.D. '41, University of Minnesota
Major, Orthopedic Surgery
Minor, Anatomy
Thesis, Congenital Dislocation of the Hip;
a Study of Certain X-ray Aspects

Theodore Norley, Philadelphia, Pa.
B.A. '39, Gettysburg College
M.D. '43, Hahnemann Medical College
Major, Orthopedic Surgery
Minor, Surgical Pathology
Thesis, Calcification of the Ligaments, Bur-
sae, Menisci, and Tendons of the Knee

Robert Delevan Mussey, Rochester
B.A. '38, Dartmouth College
M.D. '43, University of Minnesota
Major, Orthopedic Surgery
Minor, Surgical Pathology
Thesis, Osteochondromatosis

Alvin Cyril Walsh, Calgary, Canada
B.S. '34, University of Saskatchewan
M.D. '39, University of Manitoba
Major, Orthopedic Surgery
Minor, Surgical Pathology
Thesis, I. The Use of Homogenous and
Heterogenous Bone in Bone Grafting;
II. A Method of Preserving Homogenous
Bone for Use in Bone Grafting

MASTER OF SCIENCE

In Otolaryngology and Rhinology

Clifford Franklin Lake, Kimball, S. D.
B.S. '36, University of South Dakota
M.D. '39, Northwestern University
Major, Otolaryngology and Rhinology
Minor, Surgical Pathology
Thesis, Mucocoeles and Pyocoeles of the
Frontal and Ethmoid Paranasal Sinuses

MASTER OF SCIENCE

In Pathology

- | | |
|---|--|
| Theodore Edward Ludden, Salem, Ore.
B.S. '39, Willamette University
M.D. '43, University of Oregon
Major, Pathology
Minor, Clinical Pathology
Thesis, Changes in the Endocardium and Myocardium in Acute Poliomyelitis | George Herman Murphy, Halifax, Nova Scotia
B.A. '36, M.D.C.M. '40, Dalhousie University
Major, Pathology
Minor, Bacteriology
Thesis, Myoblastoma |
|---|--|

MASTER OF SCIENCE

In Pediatrics

- Viola Ellen Sheridan, Minot, N. D.
B.S.M. '42, M.S. '43, Creighton University
Major, Pediatrics
Minor, Pathology
Thesis, The Effect of Hydrogen Ion Concentration on the Activity of Streptomycin Against Organisms Commonly Found in Infections of the Urinary Tract

MASTER OF SCIENCE

In Proctology

- | | |
|--|--|
| Leo James LeBlanc, Medford, Mass.
M.D. '41, St. Louis University
Major, Proctology
Minor, Pathology
Thesis, Squamous Cell Epithelioma of the Rectum. A Critical Clinical and Pathological Investigation of the Subject | Harlow Brooks McQuarrie, Ogden, Utah
B.S. '33, Utah State Agricultural College
M.D. '39, George Washington University
Major, Proctology
Minor, Pathology
Thesis, Epitheliomata of the Anus and Anal Canal |
|--|--|

MASTER OF SCIENCE

In Surgery

- | | |
|---|--|
| Frank Strother Ashburn, Dallas, Tex.
B.A. '35, M.D. '38, University of Texas
Major, Surgery
Minor, Surgical Pathology
Thesis, Metastasizing Carcinoids of the Ileum | George Henry Hanlon, Hazelton, Pa.
B.S. '37, Lafayette College
M.D. '41, Jefferson Medical College
Major, Surgery
Minor, Pathologic Anatomy
Thesis, The "Shelf" of Tissue at the Penetration of the Common Bile Duct into the Duodenal Wall |
| Wilson Joseph Ferguson, Sedalia, Mo.
B.A. '36, Dartmouth College
B.S. '39, M.D. '41, Washington University
Major, Surgery
Minor, Pathologic Anatomy
Thesis, Luschka Crypts of the Gallbladder | Weston Ackland Heinrich, Miami, Fla.
B.S. '33, University of Miami
M.D. '42, Northwestern University
Major, Surgery
Minor, Surgical Pathology
Thesis, A Study To Determine a Method for Estimating the Proportion of the Stomach Removed in Partial Gastric Resection |
| Richard Aldrich Forney, Boise, Idaho
B.A. '35, University of California
M.D. '39, Rush Medical College
Major, Surgery
Minor, Surgical Pathology
Thesis, Strangulation of the Small Intestine: A Clinical and Pathological Study of Acute Strangulating Obstructing Lesions of the Small Bowel Due to Intra-abdominal Adhesions | James Kenneth Keely, Ridgewood, Pa.
B.A. '34, Dartmouth College
M.D. '37, Harvard University
Major, Surgery
Minor, Pathology
Thesis, Carcinoma of Sigmoid: Mesenteric vs. Antimesenteric Location as Factor in Prognosis |
| Robert Hale Gibson, Tacoma, Wash.
B.S. '39, College of Puget Sound
M.D. '43, University of Oregon
Major, Surgery
Minor, Surgical Pathology
Thesis, Intussusception in Infants and Children | Joseph Lonnie Kirby, Birmingham, Ala.
B.S. '39, Birmingham Southern College
M.D. '43, Emory University
Major, Surgery
Minor, Surgical Pathology
Thesis, A Comparison of the Dukes' and Broders' Types of Classification in Carcinoma of the Cecum |

John Webster Kirklín, Rochester
B.A. '38, University of Minnesota
M.D. '42, Harvard University
Major, Surgery
Minor, Surgical Pathology
Thesis, The Role of the Peritoneal Reflection
in the Prognosis of Carcinoma of the
Rectum and Low Sigmoid Colon

John Canfield Lillie, Rochester
B.A. '36, M.D. '39, University of Michigan
Major, Surgery
Minor, Surgical Pathology
Thesis, The Effects of Exercise on Gastric
Secretion

Alfred Charles Meyer, Chicago, Ill.
B.S. '39, M.D. '40, Northwestern University
Major, Surgery
Minor, Surgical Pathology
Thesis, Inflammatory Carcinoma of the
Breast

Roberta Geraldine Rice, St. Paul
B.A. '39, Colorado College
M.D. '44, University of Minnesota
Major, Surgery
Minor, Surgical Pathology
Thesis, Quantitative and Histochemical
Studies of the Effect of Diethylstilbestrol
on Placental Glycogen and Fat with Special
Reference to the Placentas in Toxemia

Roger Adrian Scholten, Kalamazoo,
Mich.
B.A. '32, Yale University
M.D. '37, Jefferson Medical College
Major, Surgery
Minor, Surgical Pathology
Thesis, Jejunal Ulcers Following Partial Gas-
trectomy with Special Reference to the
Effect of Removal of the Pyloric Antrum
on the Genesis of Recurrent Peptic Ulcers

Elwyn Space Shonyo, Bushton, Kans.
B.S. '33, Kansas State College
M.D. '37, Rush Medical College
Major, Surgery
Minor, Surgical Pathology
Thesis, Investigation of Renal Circulation
in Experimental Animals by the Neoprene
Injection-Corrosion Method

Lyle Aaron Tongen, Walhalla, N. D.
B.S. '40, University of North Dakota
M.D. '42, Washington University
Major, Surgery
Minor, Pathology
Thesis, The Quantitative Relationship of
Parietal Cells to Gastric Acidity

MASTER OF SCIENCE

In Urology

Frank Harrison Clark, Portland, Ore.
B.S. '40, M.D. '43, University of Oregon
Major, Urology
Minor, Surgical Pathology
Thesis, Primary Carcinoma of Male Urethra

David Bradford Connery, New Castle,
Pa.
B.S. '28, Westminster College
M.D. '32, University of Pennsylvania
Major, Urology
Minor, Surgical Pathology
Thesis, Leukoplakia of the Urinary Bladder
and Its Association with Carcinoma

John Hartwell Dunn, Heavener, Okla.
B.A. '37, University of Oklahoma
M.D. '41, University of Tennessee
Major, Urology
Minor, Surgical Pathology
Thesis, Leukoplakia of the Renal Pelvis

George Bennett Eaves, Minneapolis
B.S. '36, M.D. '39, University of Minnesota
Major, Urology
Minor, Pathology
Thesis, Peritoneal Lavage in the Treatment
of Temporary Renal Insufficiency

George William Irmisch, Lindenhurst,
N. Y.
B.S. '35, Rutgers University
M.D. '40, Temple University
Major, Urology
Minor, Surgical Pathology
Thesis, The Histologic Comparison of Car-
cinoma of the Prostate before and after
Castration

MEDICAL SCHOOL

Candidates presented by Harold S. Diehl, M.A., M.D., D.Sc.,
Dean of the Medical Sciences

DOCTOR OF MEDICINE*

Martin Alfred Adson, B.S., M.B.,
Rochester

Frank Joseph Anderson, Jr., B.S., M.B.,
Minneapolis

Eugene Franklin Beyer, B.S., M.B., Elgin

Adrian Haskell Bodelson, B.S., M.B.,
Fulda

Harry Park Borgeson, B.S., M.B.,
Chisholm

Florence Jacqueline Bouthilet, B.S., M.B.,
St. Paul

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

James Frederick Boysen, B.S., M.B.,
Madelia
Theresa Eileen Brey, B.S., M.B.,
Wabasso
Harry Frank Burich, B.S., M.B.,
Silver Lake
Robert Eldred Carter, B.S., M.B.,
Wayzata
Cherry Blossom Cedarleaf, B.A., B.S.,
M.B., St. Paul
Anne Kathryn Cottor, B.S., M.B., St.
Paul
Donald Fredrick De Marse, B.S., M.B.,
Sioux Falls, S. D.
Agamemnon Despopoulos, B.S., M.B.,
Jamaica, N. Y.
Antoni Mills Diehl, B.S., M.B.,
Minneapolis
James William Erchul, B.S., M.B.,
Duluth
Jack Emil Geist, B.S., M.B., St. Paul
Edwin Samuel Goms, B.S., M.B.,
Eveleth
Rollin Montell Hansen, B.S., M.B.,
Minneapolis
Vernon Ashcraft Harrington, Jr., B.S.,
M.B., Deerwood
Harold William Henry, B.S., M.B., Foley
Jay Carrol Hoyt, B.S., M.B., Deer Creek
George Walter Janda, Jr., B.S., M.B.,
St. Paul
Richard Edmund Jensen, B.S., M.B.,
Minneapolis
Curtis Merlin Johnson, B.A., B.S., M.B.,
Dawson
Ruth Jolly, B.S., M.B., Minneapolis
Thomas Schreiner Kemp, B.S., M.B.,
Mankato
Robert Walker Keyes, B.S., M.B.,
Pipestone
Harold Dale Kletschka, A.S., B.S., M.B.,
Minneapolis

Richard Harmer Lee, B.S., M.B.,
Northfield
James Perry Lillehei, B.S., M.B.,
Minneapolis
Charles Edward Lindemann, B.S., M.B.,
Minneapolis
Carl Edward Lipschultz, B.S., M.B.,
St. Paul
Charles Elliott Magraw, B.S., M.B.,
St. Paul
Thomas David Moberg, B.S., M.B.,
Minneapolis
Luther Arnold Nelson, B.S., M.B.,
Wadena
Jack Gordon Olsen, B.S., M.B.,
Minneapolis
Charles Robert Peluso, B.S., M.B.,
St. Paul
Frank Blair Rice, Minneapolis
Albert MacDonell Richards, B.A., B.S.,
M.B., St. Paul
Harold M. Schneidman, B.S., M.B.,
Minneapolis
Arthur Bernard Shuldberg, B.S., M.B.,
Minneapolis
Jerome F. Smersh, Jr., B.A., B.S., M.B.,
Owatonna
Marvin David Siperstein, B.S., M.B.,
Minneapolis
Arnold Joseph Spanjers, B.S., M.B.,
Excelsior
Sylvan Oscar Tatkin, D.D.S., B.S., M.B.,
St. Paul
Paul Erhard Teschan, B.S., M.B.,
Milwaukee, Wis.
John Edward Verby, B.A., B.S., M.B.,
St. Paul
Joseph Carroll Von Drasek, B.S., M.B.,
Morris
John Louis Whitaker, Jr., B.S., St. Paul
Martin Leonard Zucker, B.S., B.A., M.B.,
St. Paul

GRADUATE SCHOOL

Candidates presented by Theodore C. Blegen, Ph.D., L.H.D., Litt.D.,
Dean of the Graduate School

DOCTOR OF PHILOSOPHY

Tewfik Mohamed Ibrahim Abdel-Hak,
Deir Moe, Egypt
B.S. '40, University of Cairo
Major, Plant Pathology
Minor, Botany
Thesis, Morphology and Behavior of Cer-
tain Races of *Puccinia graminis tritici*
Eriks. and Henn.
Major Adviser, Prof. E. C. Stakman

Marguerite Catherine Burk, Ottawa,
Kans.
B.A. '37, M.A. '38, University of Kansas
Major, Economics
Minor, Political Science
Thesis, Analysis of Wartime Changes in
Consumption
Major Advisers, Profs. R. S. Vaile and W.
C. Waite

Akira Asano, Sacramento, Calif.
B.S. '44, Drake University
M.S. '45, University of Minnesota
Major, Pharmaceutical Chemistry
Minors, Pharmacology, Agricultural Bio-
chemistry
Thesis, The Synthesis of Some Substituted
Dehydrobiocatechols
Major Adviser, Prof. Ole Gisvold

Arne Emanuel Carlson, St. Paul
B.S. '38, M.S. '40, University of Minne-
sota
Majors, Agronomy and Plant Physiology
Minor, Botany
Thesis, A Study of the Root Reserves of
Field Bindweed (*Convolvulus arvensis*)
at Various Soil Levels on Fallowed and
Undisturbed Land
Major Advisers, Profs. R. S. Dunham and
R. H. Landon

- William Oviatt Caster, Platteville, Wis.
 B.A. '42, M.S. '44, University of Wisconsin
 Major, Physiological Chemistry
 Minor, Organic Chemistry
 Thesis, The Excretion of Thiamine and Its
 Degradation Products
 Major Advisers, Profs. Olaf Mickelsen and
 A. B. Keys
- Donald Montgomery Castleberry, Austin,
 Tex.
 B.A. '35, Oklahoma Central State Teachers
 College
 M.A. '36, University of Oklahoma
 Major, Political Science
 Minor, Education
 Thesis, Opium in the International Relations
 of China
 Major Adviser, Prof. H. S. Quigley
- Frank Allen Cutler, Jr., Pana, Ill.
 B.S. with highest honors '42, University of
 Illinois
 Major, Organic Chemistry
 Minor, Physical Chemistry
 Thesis, The Reaction between Quinones and
 Metallic Enolates: XXII Nitrotrimethyl-
 quinone and Sodiomalonic Ester; XXIII
 Aminotrimethylquinone and Sodiomalonic
 Ester
 Major Adviser, Prof. L. I. Smith
- Raymond Joseph Doll, Manhattan, Kans.
 B.S. '35, M.S. '38, Kansas State College
 Major, Agricultural Economics
 Minor, Economics
 Thesis, Agricultural Policy in Relation to
 the Beef Cattle Industry
 Major Adviser, Prof. O. B. Jesnes
- Clark Cyrus Gill, Minneapolis
 B.A. *cum laude* '35, Hamline University
 M.A. '39, University of Minnesota
 Major, Education
 Minor, Social Sciences
 Thesis, The Role of the Federal Government
 in Public Education in Mexico
 Major Adviser, Prof. E. B. Wesley
- Bernard Oscar Gimmetstad, Minneapolis
 B.A. *magna cum laude* '34, St. Olaf College
 M.A. '39, University of Wisconsin
 Major, English
 Minor, History
 Thesis, Three Churchill Studies
 Major Adviser, Prof. C. A. Moore
- Syed Zulfiqarul Hasanain, Pakistan
 B.S. '29, M.S. '32, Aligarh Muslim Uni-
 versity
 Majors, Plant Genetics and Plant Pathology
 Thesis, Study of Stem Rust Reaction and
 Other Characters in Indian Wheat Vari-
 eties and Their Crosses
 Major Advisers, Profs. H. K. Hayes and
 H. H. Hart
- Herbert Gerhard Heneman, Jr., St. Paul
 B.B.A. '38, M.A. '43, University of Min-
 nesota
 Major, Economics
 Minor, Psychology
 Thesis, Measurement of Short-run Family
 Participation in the Labor Force
 Major Adviser, Prof. Dale Yoder
- Joel Oliver Hougen, Champaign, Ill.
 B.S. '36, University of Wisconsin
 M.S. in Ch.E. '46, University of Minnesota
 Major, Chemical Engineering
 Minor, Bacteriology
 Thesis, Thermal Conductivities of Granular
 Solids through Which Gases Are Flowing
 Major Advisers, Profs. C. A. Mann and
 E. L. Piret
- Bill Henriksen Hoyer, Seattle, Wash.
 B.S. *cum laude* '43, M.S. '45, University
 of Washington
 Major, Bacteriology
 Minor, Agricultural Biochemistry
 Thesis, Studies on a Bacterial Amino Acid
 Decarboxylase
 Major Adviser, Prof. H. O. Halvorson
- Lloyd Lute Kempe, Minneapolis
 B.Chem. '32, M.S. '38, University of Min-
 nesota
 Major, Chemical Engineering
 Minor, Bacteriology
 Thesis, The Effect of Continuously Con-
 trolled pH on the Lactic Acid Fermenta-
 tion
 Major Advisers, Profs. E. L. Piret and
 H. O. Halvorson
- Enno Edward Krache, Newark, Del.
 B.A. with distinction '43, M.A. '44, Uni-
 versity of Missouri
 Major, History
 Minor, Philosophy
 Thesis, A History of the German Confedera-
 tion, 1850-1866
 Major Adviser, Prof. L. D. Steefel
- Sheila Ione Kragness, Excelsior
 B.S. with high distinction '38, M.A. '39,
 University of Minnesota
 Major, French
 Minor, English
 Thesis, Doctors and Medical Science in the
 Contemporary French Drama, 1887 to
 1939
 Major Adviser, Prof. F. B. Barton
- Reinold Walter Kunkel, Glenview, Ill.
 B.S. '41, North Dakota Agricultural College
 M.S. '43, University of Minnesota
 Major, Dairy Husbandry
 Minor, Agricultural Biochemistry
 Thesis, A Study of Various Manufacturing
 Processes as They Affect the Quality of
 Dry Ice-Cream Mix
 Major Advisers, Profs. S. T. Coulter and
 W. B. Combs
- Mary Victoria MacLachlin, Whitehall,
 N. Y.
 B.A. '40, Skidmore College
 M.A. '42, Columbia University
 Major, English
 Minor, History
 Thesis, Edwin Lawrence Godkin: Utilitarian
 Editor
 Major Adviser, Prof. Tremaine McDowell
- George Hillman Mayer, Lafayette, Ind.
 B.A. '41, Pomona College
 M.A. '43, Claremont Colleges
 Major, History
 Minor, Political Science
 Thesis, The Political Career of Floyd B.
 Olson, Farmer-Labor Governor of Min-
 nesota
 Major Adviser, Prof. G. M. Stephenson

- William Agnew McClelland, White Plains, N. Y.
B.A. *magna cum laude* '41, Brown University
M.A. '46, University of Minnesota
Major, Psychology
Minor, Educational Psychology
Thesis, An Analysis of a Selection Program for Sales Engineers
Major Adviser, Prof. D. G. Paterson
- Edwin Fredric Menze, St. Paul
B.S. '37, M.A. '39, University of Kansas
Major, German Literature
Minor, Germanic Philology
Thesis, History and the Cultural Idea in Theodor Fontane's Social Philosophy
Major Adviser, Prof. O. C. Burkhard
- Harry Haruo Murakishi, St. Paul
B.S. '40, University of California
M.S. '45, North Carolina State College of Agriculture and Engineering
Major, Plant Pathology
Minor, Botany
Thesis, Variation in *Fusarium Bulbigenum* Ck. and Mass. Var. *Niveum* Wr.
Major Adviser, Prof. C. J. Eide
- Gollakota Suryanarayana Murty, Cocanada, India
B.S. '34, Andhra University
M.S. '36, Lucknow University
Major, Plant Genetics
Minor, Biostatistics
Thesis, Combining Ability in Corn of Parental Inbreds with Inbreds Recovered from Backcrosses
Major Adviser, Prof. H. K. Hayes
- Austin Carlen Olsen, Minneapolis
B.S. in Ch.E. with honors '39, Montana State College
M.S. in Ch.E. '41, University of Minnesota
Major, Chemical Engineering
Minor, Physical Chemistry
Thesis, A Study in the Mechanism of Di-electric Drying
Major Advisers, Profs. N. H. Ceaglske and C. A. Mann
- Joseph Carl Olson, Jr., St. Paul
B.S. '35, M.S. '44, University of Minnesota
Major, Bacteriology
Minor, Agricultural Biochemistry
Thesis, A Study of Certain Factors Pertaining to the Heat Resistance of Coliform Bacteria in Milk
Major Advisers, Profs. Harold Macy and H. O. Halvorson
- Rodrigo Gonzalo Orellana, Quito, Ecuador
Ingeniero Agronomo '38, Central University
M.S. '44, University of Minnesota
Major, Plant Pathology
Minor, Soils
Thesis, Studies of the Development of *Actinomyces scabies* on Potatoes in Certain Minnesota Soils
Major Advisers, Profs. E. C. Stakman and C. J. Eide
- Robert Edward Pfadt, Laramie, Wyo.
B.A. with honor '38, M.A. '40, University of Wyoming
Major, Zoology
Minor, Entomology
Thesis, Food Plants as Factors in the Ecology of *Melanoplus mexicanus* (Sauss.) and *Aulocara eliotti* (Thos.)
Major Adviser, Prof. D. E. Minnich
- Wilfred Harold Pine, Manhattan, Kans.
B.S. with honors '34, M.S. '38, Kansas State College
Major, Agricultural Economics
Minor, Economics
Thesis, Methods of Classifying Kansas Land According to Economic Productivity
Major Adviser, Prof. A. A. Dowell
- E Emmett Louis Pinnell, Owensville, Mo.
B.S. '40, University of Missouri
M.S. '42, University of Minnesota
Major, Plant Genetics
Minor, Plant Pathology
Thesis, Genetic and Environmental Factors Affecting Corn Seed Viability at Low Temperatures
Major Adviser, Prof. H. K. Hayes
- Thomas Rollin Richmond, College Station, Tex.
B.S. '31, M.S. '38, Agricultural and Mechanical College of Texas
Major, Plant Genetics
Minor, Plant Pathology
Thesis, The Genetics of Certain Factors Responsible for Lint Quantity in American Upland Cotton
Major Adviser, Prof. H. K. Hayes
- William Alfred Riedl, Laramie, Wyo.
B.S. '29, M.S. '36, University of Wyoming
Major, Agronomy and Plant Genetics
Minor, Plant Pathology
Thesis, The Inheritance of Tuber-set in *Solanum tuberosum* L.
Major Advisers, Profs. F. A. Krantz and H. K. Hayes
- William Schofield, Springfield, Mass.
B.S. with highest praise '42, Springfield College
M.A. '46, University of Minnesota
Major, Psychology
Minor, Neuropsychiatry
Thesis, MMPI Response Changes with Certain Therapies
Major Adviser, Prof. S. R. Hathaway
- Donald Edgar Smith, St. Paul
B.Chem. '39, M.S. '42, University of Minnesota
Major, Agricultural Biochemistry
Minor, Chemical Engineering
Thesis, The Effect of Drying Conditions upon the Biochemical Properties of Corn
Major Advisers, Profs. W. F. Geddes and E. L. Piret
- Sherman Archie Sundet, Gary
B.A. '39, Concordia College
M.S. '41, University of Idaho
Major, Organic Chemistry
Minor, Physical Chemistry
Thesis, Condensations of 3-Acetocoumarin in the Presence of Cyanoacetamide
Major Adviser, Prof. C. F. Koelsch
- Chieh Tsiang, Wukiang, Kianzen, China
B.S. '35, University of Nanking
M.S. '46, University of Minnesota
Major, Agricultural Economics
Minor, Sociology
Thesis, An Economic Study of Some Problems of Chinese Agriculture
Major Adviser, Prof. A. A. Dowell

Kenneth Kazutaka Tsuboi, Minneapolis
 B.S. '44, College of St. Thomas
 M.S. '46, University of Minnesota
 Major, Physiological Chemistry
 Minor, Physiology
 Thesis, A Chemical and Enzymatic Study
 of Pentose Nucleic Acids and Their
 Hydrolysis by Cytoplasmic Fractions of
 Liver Tissue
 Major Adviser, Prof. C. P. Barnum

DOCTOR OF PHILOSOPHY

In Civil Engineering

Loren Wenzel Neubauer, Davis, Calif.
 B.C.E. with distinction '26, M.S. in C.E.
 '32, University of Minnesota
 Major, Civil Engineering
 Minor, Mathematics and Mechanics
 Thesis, Some Effects of Viscosity Variation
 upon the Movement of Bed Sediment in
 an Open Channel
 Major Adviser, Prof. L. G. Straub

DOCTOR OF PHILOSOPHY

In Medicine

Haddon McCutchen Carryer, Des Moines,
 Ia.
 B.A. '35, Drake University
 M.D. '39, M.S. '39, Northwestern Univer-
 sity
 Major, Medicine
 Minor, Experimental Physiology
 Thesis, Studies on the Release of Histamine
 during Hemolytic Reactions in Blood and
 the Effects of Adrenal Cortical Compound
 E and Anti-Histamine Agents in These
 Reactions
 Major Adviser, Dr. C. F. Code

SUMMARY OF DEGREES

Degrees conferred June, 1948 (subject to completion of requirements).....	3,226
Degrees conferred July, August, December, 1947 and March, 1948.....	3,133
Total degrees conferred during 1947-48.....	6,359

UNIVERSITY OF MINNESOTA

JULY
COMMENCEMENT
1948



NORTHROP MEMORIAL AUDITORIUM
THURSDAY EVENING, JULY TWENTY-SECOND
NINETEEN HUNDRED FORTY-EIGHT
AT EIGHT O'CLOCK

UNIVERSITY OF MINNESOTA

THE BOARD OF REGENTS

The Honorable James F. Bell, Minneapolis
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The Honorable Richard L. Griggs, Duluth
The Honorable J. S. Jones, St. Paul
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The Honorable A. J. Olson, Renville
The Honorable Ray J. Quinlivan, St. Cloud
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The Honorable Fred B. Snyder, Minneapolis
The Honorable Sheldon V. Wood, Minneapolis

Dr. James Lewis Morrill, President of the Board
Mr. William T. Middlebrook, Secretary of the Board



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.

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 an other 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, and Home Economics, 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 Accountancy 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 degrees, 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
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize
Medical School	green
College of Education	light blue
School of Business Administration	drab
University College	old gold and white

Order of Events



- **THE ASSEMBLING OF THE AUDIENCE:** As candidates for degrees at this evening's commencement and their friends and relatives approach Northrop Auditorium on the Minneapolis Campus, they will hear the chimes, a recent gift from a friend and neighbor, Mr. H. R. Brown of southeast Minneapolis. Only a portion of the chimes has been installed as yet; beginning with the next winter commencement, the entire set will be used. The carillonneur this evening is Professor Paul M. Oberg, Ph.D., Chairman of the Department of Music. Guests will be seated as they arrive at 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 and University Organist, will play:
 - Fantasie and Fugue in G Minor - - - - *Bach*
 - Andante Cantabile (from the Fourth Symphony) *Widor*
 - Allegro (from the Second Symphony) - - *Vierne*
 - Processional: Overture to the Occasional Oratorio *Handel*
- **PROCESSIONAL:** As candidates for degrees enter the Auditorium the curtain will be drawn. Seated on the platform, left to right, are: Mr. Julius M. Nolte, Dean of University Extension; Dr. George P. Conger, Professor of Philosophy; Dr. Alfred L. Vaughan Assistant Dean of the General College; Dr. J. William Buchta, Assistant Dean of the College of Science, Literature, and the Arts; Mr. Thomas A. H. Teeter, Dean of the Summer Session; Dr. Harold Macy, Associate Director of the Agricultural Experiment Station; Dr. Malcolm M. Willey, Vice President, Academic Administration; Dr. William S. Carlson, President of the University of Delaware; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Dr. Wesley E. Peik, Dean of the College of Education; Dr. Richard L. Kozelka, Dean of the School of Business Administration; Dr. Theodore C. Blegen, Dean of the Graduate School; Mr. True E. Pettengill, Recorder; Mr. Roy Schuessler, Assistant Professor of Music; and Dr. August C. Krey, Professor of History.

Order of Events



- 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.
- THE NATIONAL ANTHEM (first stanza only): The entire audience and Mr. Roy Schuessler, M.A., Assistant Professor of Music, soloist.
- INVOCATION: The Reverend George P. Conger, Ph.D., Professor of Philosophy, University of Minnesota.
- COMMENCEMENT ADDRESS: "Knowledge for What?" President William S. Carlson, Ph.D., President of the University of Delaware; formerly Dean of Admissions and Records, University of Minnesota.
- CONFERRING OF DEGREES: Degrees will be conferred by Vice President Malcolm M. Willey, Ph.D., Vice President, Academic Administration. Candidates will be presented by Dean Alfred L. Vaughan, Ph.D., for the General College; Dean J. William Buchta, Ph.D., for the College of Science, Literature, and the Arts; Professor Thomas A. H. Teeter, B.S.(C.E.), for the Institute of Technology; Professor Harold Macy, Ph.D., for the College of Agriculture, Forestry, and Home Economics; Dean Harold S. Diehl, M.D., for the College of Medical Sciences; Dean Wesley E. Peik, Ph.D., for the College of Education and for the College of Education and the College of Agriculture, Forestry, and Home Economics; Dean Richard L. Kozelka, Ph.D., for the School of Business Administration; Dean J. William Buchta, Ph.D., for the University College; and Dean Theodore C. Blegen, Ph.D., for the Graduate School.
- THE UNIVERSITY'S ALMA MATER SONG, "HAIL MINNESOTA": The audience and Professor Roy Schuessler, soloist.
- RECESSIONAL: Professor Arthur B. Jennings
 - Toccata (from the Gothic Suite) - - - *Boëllmann*
- The audience is requested to remain seated until those in academic costume have left the hall.

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

Robert Bender, Minneapolis	Donald Andrew Lambert, Minneapolis
June Bruer, Minneapolis	Phyllis Ann Lifson, Minneapolis
Graydon Edward Cadwell, Pine River	John Elias Loberg, Minneapolis
Roger Wesley Carlson, St. Paul	Hartley H. Arrons Medin, Anoka
Duane Robert Euren, Moorhead	Bernhard Oliver Mossberg, Minneapolis
E. Willard Frank, Minneapolis	Elaine Constance Podd, St. Paul
Ramona Mae Frederickson, White Bear Lake	Thomas Glenn Slawson, Minneapolis
Reinhardt Charles Huebner, Jr., Minneapolis	Marjorie Pauline Thorpe, Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

ASSOCIATE IN LIBERAL ARTS

Audrey Jean Allison, Minneapolis	Wilson Robert More, St. Paul
Lloyd Morten Freden, Minneapolis	William Frederick Reitmunn, Red Wing
William Greenburg, St. Paul	John Gordon Sims, Dresbach
Barbara Ann Johnson, Minneapolis	Sharon Lee Stern, Minneapolis

BACHELOR OF ARTS

Rita Mae Ahmann, St. Paul	Walter Beverley Grannes, Minneapolis
James Allen Atkinson, St. Paul	Allen Seaman Greenstein, Minneapolis
Loren Henderson Balcom, Rochester	Max Guttman, Minneapolis
Allen Gordon Brant, Lake Benton	Henry Benbrook Hall, St. Paul
Thomas Edward Bretz, A.L.A., St. Paul	Edward Anthony Harrington, Tracy
Martin Brown, Minneapolis	John Kenneth Hartman, St. Paul
Paul Vincent Burgett, Jr., Minneapolis	Clare Bernice Hestad, Minneapolis
Ray Ralph Butler, Minneapolis	Edwin Loring Ingraham, Minneapolis
Leo William Cavanaugh, Minneapolis	Leone Isaacs, Minneapolis
Donald Francis Clark, Bemidji	Robert Alan Johnson, Fulda
George Andrew Creamer, Minneapolis	William Carl Kaufman, Appleton
Richard Clyde Davis, Minneapolis <i>magna cum laude</i>	Luellamae Kimmerle, Minneapolis
Robert Lee Domler, St. Paul	James Mattson Kinney, Osakis
Donald George Dreblow, Minneapolis	David Lieberman, Minneapolis <i>cum laude</i>
Marian Ann Eastley, Buffalo, N. D.	June Sauer Lundgren, Minneapolis
Lorraine Ruth Espeseth, Minneapolis	Gene Scott McNaughton, Menomonie, Wis.
Esther Essene, Minneapolis	Robert Armev Melander, Minneapolis
Leland Enock Evenson, St. James	Jacqueline Augusta Mertes, Lanesboro
John Robert Finnegan, Minneapolis <i>magna cum laude</i>	Marilyn Mitchell, Crookston
Teresa McNeely Flowers, St. Paul	Howard Clark Mothersill, St. Paul <i>magna cum laude</i>
John Drew Forsman, Minneapolis	Andrew Michael Nelson, A.A., B.Th., St. Paul
Eugene Robert Gibson, St. Paul	Ruth Marie Nelson, Minneapolis
Robert Clare Good, Minneapolis	
Ella A. Berge Gorder, Starbuck <i>magna cum laude</i>	

Mayo Keith Newhouse, Minneapolis
 Edward Stark Niederkorn, Red Wing
 Audrey Elizabeth Niemi, R.N., Virginia
 Thomas Lee Nihil, Jr., Minneapolis
 Douglas Arthur Norberg, Minneapolis
 Kenneth George Olson, Minneapolis
 Robert Ernest Ott, A.A., St. Paul
 Kenneth Arthur Palm, St. Paul
 Mary Elizabeth Palm, Minneapolis
Gaylord Monroe Palmer, Minneapolis
cum laude
 George Donald Paul, St. Paul
 Ivil Lawson Porter, Jr., Minneapolis
Robert William Powers, Roundup,
Mont.
cum laude
 Neale Stuart Radzom, Minneapolis
 Joan Reinke, Minneapolis
 Roger Warren Rempel, Minneapolis
 George Dickins Riley, Jr., Minneapolis
 Majel Ann Risser, Dodge Center
Elizabeth Snowden Robb, Minneapolis
cum laude
 Edwin Hugh Roberts, Mankato

Grenaviere Anntionette Robinson,
 Minneapolis
 Dorothy Luise Schelhart, Heron Lake
 Alice Simon, Minneapolis
 Thomas Gustaf Stromberg, A.A.,
 Minneapolis
 Clayton LeRoy Stunkard, Minneapolis
Roy Arthur Swanson, St. Paul
magna cum laude
 Paul Frederick Syrdal, Madison
 Beverly Grace Thompson, St. Paul
 Richard R. Trezona, Eveleth
 Nancy Clare Ulvang, Duluth
 Joanne Undine, Minneapolis
Bradley John Walker, Minneapolis
magna cum laude
 Patricia Elizabeth Warford, Bemidji
 Marjorie Lei Wells, St. Louis Park
 Robert Arthur Whitten, Minneapolis
 Virginia Webb Witt, Minneapolis
 John Taylor Wynne, Minneapolis
Helen Lillian Yngve, Cambridge
magna cum laude
 John Martin Zaic, Ely

BACHELOR OF SCIENCE IN LIBRARY SCIENCE

Marguerite Ann Bradison, B.A.,
 Minneapolis

Elizabeth C. Cauley, B.A., St. Paul

INSTITUTE OF TECHNOLOGY

BACHELOR OF CHEMICAL ENGINEERING

Lewis Frederick Allin, Two Harbors
 Louis Milton Chamberlain, Minneapolis
John Eustace Donalds II, St. Croix
Falls, Wis.
with distinction
 Thomas Hale Harris, Winnipeg,
 Canada
 Robert Edwin Hawkinson, A.A.,
 Worthington
 Robert Joseph Humbert, St. Cloud
 Gilbert Ingvar Johnson, Heron Lake
 William Lenard Jolitz, Duluth
 Clarence Emil Josephs, Kensington

Curtis Raymond Kern, Washington,
 Kans.
 Benjamin E. Kirkendall, Duluth
John Lauren Lundberg, St. Paul
with high distinction
 Donald Neil Maytum, Alexandria, S. D.
 William Joseph Michels, Nashwauk
Toshio Okuma, Bakersfield, Calif.
with distinction
 Walter Keiji Osaka, Minneapolis
 Edward Laverne Priebe, Minneapolis
 John Swanson, Jr., B.S., B.B.A.,
 St. Paul
 Richard Jay Wethern, Everett, Wash.

BACHELOR OF ELECTRICAL ENGINEERING

Kenneth Kasper Dols, Carver
Richard Wesley Elvig, Minneapolis
with distinction
 Dale Warren Faulds, Ivanhoe
 Jackie Ottman Fox, Minneapolis
 Robert Bruce Hutchinson, St. Paul

Clayton Royal Kessler, Minneapolis
with distinction
 Benjamin Franklin Kimler, St. Paul
 Calvin John Meyer, Mankato
 Robert Durand Meyers, Grand Rapids
 Leslie Carl Weber, Mankato

BACHELOR OF GEOLOGICAL ENGINEERING

Daniel Robbins Crosswell, Jr., Brainerd

BACHELOR OF MECHANICAL ENGINEERING

LaRoy Edward Robinson, Minneapolis
with distinction

BACHELOR OF PHYSICS

James Paul Heppner, Forest City, Ia.
with distinction

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

BACHELOR OF SCIENCE

Sherrill Angstman, Princeton, Fish and Wildlife Management	Margery Nell Jacobson, St. Paul, Home Economics
Robert Elroy Bothum, Crosby, N. D., Science	Robert Stanley Jorgenson, Fergus Falls, Forestry
Marilyn Ruth Drake, Minneapolis, Home Economics	June Mary Kline, St. Paul, Home Economics
Herbert Lawrence Finch, Minneapolis, Forestry	Patricia Deleres Lepine, St. Paul, Home Economics
Marion Florence Gallagher, Waseca, Home Economics <i>with distinction</i>	Barbara Jane Mead, St. Paul, Home Economics
Marjory Jeanne Glauner, Topeka, Kans., Home Economics	Lucille B. Nelson, Minneapolis, Home Economics
Doris Irene Hagstrom, St. Paul, Home Economics	Calvin George Norris, Minneapolis, Science
Roberta Glee Hall, Winnebago, Home Economics	Virginia Marie O'Neill, Graceville, Home Economics
Ronald Gordon Hanson, Laporte, Science	Milton Linver Pietz, Lakefield, Agriculture
Albert Carl Heine, Morris, Agriculture	Mae Evelyn Reed, Tower, Home Economics
Carlton Arvid Holmes, Minneapolis, Forestry <i>with distinction</i>	Bernard Clifford Sonstegard, Georgeville, Agriculture
Virginia Marie Irgens, Milwaukee, Wis., Home Economics	Orpha Lydis Stahn, Morris, Home Economics

COLLEGE OF MEDICAL SCIENCES

BACHELOR OF SCIENCE (OCCUPATIONAL THERAPY)

Sally Adeline DeVine, St. Paul

BACHELOR OF SCIENCE (PUBLIC HEALTH NURSING)

Ruth Emily Anderson, R.N., Osceola, Wis.	Margaret Jeffers Griffin, St. Paul
Elizabeth A. Askegaard, R.N., Comstock	Marcetta Horne, Philadelphia, Pa. <i>with distinction</i>
Rita M. Babler, Rogers	Fredonna Mae Humphrey, Kansas City, Mo.
Marguerite Lucille Bhend, LeRoy	Shirley Jeanne Johnson, G.N., Hol-drege, Neb. <i>with distinction</i>
Margaret Elizabeth Engle, R.N., Detroit, Kans. <i>with distinction</i>	

Irene Burdick Kimel, Wichita, Kans.
 Ruth Marie Lee, R.N., St. Paul
**Ethel Mae Marvick, R.N., Sisseton,
 S. D.**
with distinction
 Lucille Anna Maurer, R.N., Hopedale, Ill
 Dorothy Maxine Otto, Albert Lea

Lillie Mae Steadman, R.N., Cleveland,
 Ohio
 Elizabeth Anderson Torning, R.N.,
 St. Paul
 Mildred Lucille Wyman, R.N., Paxton,
 Ill.

COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Albert Charles Ahlquist, B.A., St. Paul
 Richard Christian Bauer, St. Paul
 Thomas Albert Bender, Jr., A.A.,
 Rochester
 Jean Claudia Breidenbach, St. Paul
 Helen Elise Fisher Brown, Fergus Falls
 Catharine Eugenia Callan, St. Paul
 John George Capetz, St. Paul
 Ethel Madill Christensen, Hitterdal
 Bertil Merland Dahlman, Minneapolis
 Donald Lane Davis, Minneapolis
 Margaret Lucile Elliott, Hopkins
 Amly Linnea Erickson, Minneapolis
 Mary Alice Ericson, Minneapolis*
Mae Elizabeth Ford, Escanaba, Mich.
with distinction
 Isabel P. Gavin, St. Paul
**Gwendolyn A. Gleason, Great Falls,
 Mont.**
with distinction
 Audrey Ann Graupmann, Rochester
 John Krogness Hansen, B.S., Pembina,
 N. D.
 Joyce Ann Haydnet, Minneapolis
 Alice Passonneau Johnson, Dawson
 Eunice Kanne, Grantsburg, Wis.
 Robert F. Kilgore, Austin
 Victor August Koehler, Nicollet
 Leocadia Martha Kolinski, Minneapolis
**Jeanne Antoinette LaBlonde, Antigo,
 Wis.**
with distinction
 Harvey Albert Larson, Barrett
Clifton Frank Lawrence, Minneapolis
with distinction
 Paul Russell Lefstad, Knapp, Wis.

Grace Moran Manning, St. Paul
 Hazel C. Martin, Minneapolis
 William Alexander Matson, Jr., Eveleth
Thora Louise McCauley, Minneapolis*
with distinction
 Janice Meyers, Silvis, Ill.*
 John Frederick Mudge, Minneapolis
**Richard Raymond Mulkern,
 Minneapolis**
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 Mary Frances Ochs, St. Paul*
 Evelyn Bergstrom Pfeiffer, Minneapolis
 Arthur Paul Polski, Eveleth
 Robert Arthur Porte, Hopkins
 Willard Henry Ramsett, St. Paul
 Dennis Eugene Rolle, Eveleth
 Allen Sidney Ronning, Hendricks
 Clarice Helen Rye, R.N., Minneota*
 Vernon Von Sanders, Minneapolis
 Jay Schaff, B.S., Pekin, Ill.
 Robert Blake Seidel, Buffalo
 William Henry Siemers, Minneapolis
 Alice Leona Skjervold, Lambertson
 Stanley Clifford Sorensen, Mankato
 George Marshall Sverdrup, B.A.,
 Minneapolis
 Margarethe Pauline Swanson, Virginia
 Alma Hester Taragos, Minneapolis
 Kenneth LaVerne Thompson, Minneapolis
Reinhardt George Tonn, Minneapolis
with distinction
Lillian May Wikman, Minneapolis
with distinction
 Arnold Raymond Wojciechowski,
 Robbinsdale
 Margery Jean Wood, Austin

BACHELOR OF SCIENCE IN LIBRARY SCIENCE

Edith Sarah Brown, B.A., Osceola, Ia.
 Edith Mather Iverson, B.A., Minot, N. D.

Mildred Louise Remmem, B.A., Thief
 River Falls
 Magdalene Mary Thiede, B.Ed., Fairmont

* Nursing Education Curriculum.

MASTER OF EDUCATION

Donald Dwight Adee, B.S., St. Paul
Edgar Gerald Barton, B.S., Minneapolis
Herman William Bockus, Jr., B.B.A.,
B.S., New Ulm
Alta Catherine Carlson, B.E., St. Paul
Genevieve Lucille Hartzler, B.S.,
Minneapolis

Richard Francis Jewett, B.S., Minneapolis
Donald Henry Klein, B.S., St. Cloud
Willard Kenneth Lindquist, B.A., Oklee
Victor E. Miller, B.A., St. Paul
Stephen Louis Smilanich, B.A., Buhl
Helen Margaret Studlien, B.S.,
Minneapolis

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

BACHELOR OF SCIENCE (HOME ECONOMICS EDUCATION)

Lorraine Idella Bakke, St. Paul
Nancy Caldwell, Wells

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Anne Sorensen, Baudette

SCHOOL OF BUSINESS ADMINISTRATION

BACHELOR OF BUSINESS ADMINISTRATION

Harry Agranoff, St. Paul
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Warren Spencer Anderson, Swedeburg,
Neb.
Russell Rolland Batzel, Minneapolis
Donald Eugene Becker, St. Paul
Byron Donald Berg, Red Wing
James Edmund Billings, Minneapolis
Robert Ernest Boll, Minneapolis
Mordy Lionel Brownstone, Winnipeg,
Canada
Marshall Robert Cordell, Minneapolis
Charles Joseph Curran, Minneapolis
Gerald Joseph Daleiden, Hampton
Robert William Elliott, South Haven,
Mich.
Elmer Eugene Emerson, Great Falls,
Mont.
Seymour Harvey Epstein, St. Paul
Burton Wellner Field, B.E.E., Aberdeen,
S. D.
Clare A. Florine, Red Wing
Roger Fritz Gelin, St. Paul
Clarence Richard Gennaro, St. Paul
Ernest Louis Giefer, Hastings
Franklin William Gogins, Jr., Minneapolis
Richard Eugene Gudmundson,
Minneapolis
Arthur Boyce Hansen, Minneapolis
Alfred Magnus Helling, Jasper
Gerhard L. Hofrenning, Fargo, N. D.
James Daniel Horst, Danube
Donald Ward Johnson, St. Paul
Warren Edward Johnson, St. Paul
Thomas Nathaniel Kenyon, Minneapolis
William Harrison Kneeland, Minneapolis
Hugo Koerner, Freeman, S. D.
Celeste LeBlond, Sioux City, Ia.
Walter Sheldon Lewis, Jr., Robbinsdale

Wayburne Winton Lilleberg, Avoca
John Robert Lofstrom, Minneapolis
Arnold Elmer Logan, Minneapolis
Miles Robert Mabuth, Cokato
Robert Morrison Madigan, Minneapolis
Chester Albert Madsen, A.S.,
Minneapolis
Norman Main, Luverne
Howard Vincent Mattson, Mora
David Cullen McFarland, Jr., Marshall
David Campbell McKenzie, Lake City
Kenneth Andrew Michaelson, Hudson,
Wis.

with distinction

Harry Crisman Murphy, Minneapolis
Glen Wallace Nansen, Winger
Robert Philip Olson, Minneapolis
Harvey Louis Orenstein, Minneapolis
Walter Vernon Petrich, Minneapolis
John Winfred Plass, Minneapolis
John Louis Prueter, Minneapolis
John Ira Richardson, Lake Bronson
LaRoy Edward Robinson, B.M.E.,
Minneapolis
Bruce DeVoe Root, Wayzata
Howard LeRoy Russ, Maple Plain
William Stone, Minneapolis
Philip Boyer Suffel, Duluth
George Willard Sugden, Minneapolis
Lewis Thomas Swaja, Minneapolis
Thomas Walter Toutsaint, Minneapolis
Leon Maurice Utoft, Tyler

with distinction

Gordon Harry Van Keuren, St. Paul
Martha Ann Webster, Caledonia
William Elmer Wesa, Hibbing
Betty Jean Wood, Albert Lea
Lewis Harold Workman, Minneapolis
William George Zimmermann,
Minneapolis

BACHELOR OF SCIENCE IN ECONOMICS

Fred S. Johns, Minneapolis

UNIVERSITY COLLEGE

BACHELOR OF ARTS

Gerald M. Burnett, Minneapolis
Margaret Angela Geelan, Milbank, S. D.
Edwin Bernard Gilroy, Highland Park,
Ill.

Richard Earl Hansen, St. Paul
Elizabeth Close Starrett, Sheldon, Ia.
Gerald Melvin Weisman, Minneapolis

BACHELOR OF SCIENCE

John Joseph Ahern, Jr., St. Paul

Frederick Phillip Werner, Huntley

GRADUATE SCHOOL

MASTER OF ARTS

Richard George Sumner Albee, Minneapolis
B.A. '37, George Washington University.
Field of Concentration: History.

Fern Alley, Hammond, Ind.
B.S. '31, Northwest Missouri State Teachers College. Field of Concentration: Curriculum and Instruction.

Harry Milton Ashmun, Minneapolis
B.A. with honors '40, M.A. '41, University of Utah. Field of Concentration: Social Work.

Maynita Lillian Baumgart, Indianapolis, Ind.
B.S. *cum laude* '41, Butler University.
Field of Concentration: Curriculum and Instruction.

Anne Davies Bedinger, Dunnsville, Va.
B.A. '41, Radcliffe College. Field of Concentration: Educational Psychology.

Henry Jerold Bertness, Tacoma, Wash.
B.A. '47, Augsburg College. Field of Concentration: Educational Administration.

Catherine Avis Billings, Minneapolis
B.A. *summa cum laude* '46, University of Minnesota. Major: Fine Arts. Minor: Philosophy. Thesis: Realism in American Painting of the Early 20th Century.

Frank Walker Bliss, Jr., Orlando, Fla.
B.A. '47, Emory University. Field of Concentration: English.

Mary Jean Bowe, Elk River
B.A. '42, Macalester College. Field of Concentration: American Studies.

Carl Bye, Gary
B.A. '32, Concordia College. Field of Concentration: Educational Administration.

Susan Louise Comstock, Moorhead
B.A. '42, Smith College, Field of Concentration: Economics.

Robert Rudolph Corey, Lawrence, Kan.
B.S. '37, University of Kansas. Field of Concentration: Economics.

Grace Marie Daly, St. Paul
B.S. '40, University of Minnesota. Field of Concentration: Education.

Louise Barbara Deckers, Rock Island, Ill.
B.A. '40, Augustana College. Field of Concentration: Education.

Roy George DeMers, Jr., Minneapolis
B.A. *cum laude* '47, University of Minnesota. Field of Concentration: Political Science.

Ann Dubbe, Minneapolis
B.S. '42, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Edwin Wayne Dyas, Mascot, Neb.
B.S. '44, University of Nebraska. Field of Concentration: Industrial Education.

Aurilla Chapman Fetzter, Minneapolis
B.S. '36, University of Minnesota. Field of Concentration: Educational Psychology.

Bernice DeEtte Finke, Minneapolis
B.S. '40, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Charles Thomas Govin, Menomonie, Wis.
B.S. '44, Stout Institute. Field of Concentration: Industrial Education.

Jerome Gray, New York, N. Y.
B.A. '46, University of Minnesota. Field of Concentration: Psychology.

- Lorena Althea Harrison, Whitewater, Wis.
B.S. '40, LaCrosse State Teachers College. Field of Concentration: Curriculum and Instruction.
- Donald Wirt Hein, Pipestone
B.S. with honors '40, Winona State Teachers College. Field of Concentration: Educational Administration.
- Paul Eugene Herzog, St. Paul
B.A. '46, Macalester College. Major: History. Minor: Economics. Thesis: The Transition from Free Trade to Protection and the Tariff of 1879.
- Everett Kelsey Hicks, Manhasset, N. Y.
B.A. '47, Middlebury College. Field of Concentration: American Studies.
- Rosco Conkling Hinkle, Jr., Bloomington, Ind.
B.A. *magna cum laude* '43, Elizabethtown College. Major: Sociology. Minor: Anthropology. Thesis: Minority Group Concept in the Contemporary American Scene: An Analysis of Terminology with Reference to Group Structure and Motive.
- Ruth Ellen Hofer, Aledo, Ill.
B.S. '45, Western Illinois State Teachers College. Field of Concentration: Educational Psychology.
- Harry Edward Huls, Minneapolis
B.S. '45, St. Cloud State Teachers College. Field of Concentration: Educational Administration.
- Winifred Ellis Jensen, Minneapolis
B.S. '45, University of Minnesota. Field of Concentration: Curriculum and Instruction.
- Gladys Viola Johnson, Donnybrook, N. D.
B.A. '31, Valley City State Teachers College. Field of Concentration: Curriculum and Instruction.
- Robert Phelps Johnson, St. Peter
B.A. '43, B.S. '47, University of Minnesota. Field of Concentration: History.
- Ruth Lillian Evangeline Johnson, Minneapolis
B.A. '42, Gustavus Adolphus College. Major: Sociology. Minor: Social Work. Thesis: The Relation of Religious Attitudes and Selected Personality Characteristics.
- Lyle Edward Jones, Rock Island, Ill.
B.S. '40, University of Missouri. Field of Concentration: Economics.
- Myrrtle Kainu, Crosby
B.S. '40, St. Cloud State Teachers College. Field of Concentration: Curriculum and Instruction.
- William Arnold Kavanaugh, St. Paul
B.S. '47, University of Minnesota. Field of Concentration: Industrial Education.
- Millard Rigby Kratochvil, Des Moines, Ia.
B.A. '40, Drake University. Major: English. Minor: American Literature. Thesis: The Philosophy of W. Somerset Maugham as Reflected in His Fiction and *The Summing Up*.
- Kenneth James LaBudde, Sheboygan Falls, Wis.
B.A. with honors '41, B.L.S. '42, University of Wisconsin. Field of Concentration: American Studies.
- Larry Russel Langen, Eyeleth
B.S. '47, University of Minnesota. Field of Concentration: Industrial Education.
- Kai-Yung Karine Liu, Hengyang, Hunan, China
B.A. '41, Ginling College; M.A. '46, Yenching University. Major: English. Minor: English Composition. Thesis: English Influences on the Development of Modern Chinese Versification.
- Ruby Midkiff MacCameron, Huntington, W. Va.
B.A. '37, Marshall College. Field of Concentration: Education.
- George William Martinson, Austin
B.A. '47, University of Minnesota. Field of Concentration: Business Administration.
- Tore Kjell Melgard, Oslo, Norway
Artium '43, Berg School (Norway); D.H.S. '47, Stockholm University, College of Commerce (Sweden). Major: Business Administration. Minor: Economics. Thesis: The Development of Cooperative Chains, with Particular Reference to Cooperative Chains with Headquarters in the Twin Cities.
- Ruth Elizabeth Muse, Columbia, Mo.
B.A. '38, Lincoln University. Field of Concentration: Mathematics.
- Semore Gordon Nelson, Chippewa Falls, Wis.
B.A. '47, Augsburg College. Field of Concentration: Educational Administration.
- Leo George Notermann, Shakopee
B.A. '45, St. Procopius College. Field of Concentration: American Studies.
- Josephine Allen Poehler, Minneapolis
B.A. *cum laude* '19, Smith College. Field of Concentration: Social Work.
- Harley David Potter, Melville, Canada
B.A. '46, University of Manitoba. Field of Concentration: Economics.
- Jerome Edward Rhode, Milaca
B.A. '37, Gustavus Adolphus College. Field of Concentration: Educational Administration.
- Corinne Holt Rickert, Negaunee, Mich.
B.A. *summa cum laude* '45, University of Minnesota. Major: Speech. Minor: Psychology. Thesis: A Series of Psychology Lectures Dramatized for Radio Presentation.
- Ilma R. Ruohmaki, Chisholm
B.A. '24, Macalester College. Field of Concentration: Scandinavian.

Jean Elizabeth Ryan, Hibbing
B.A. '45, College of St. Scholastica. Field of Concentration: Educational Psychology.

William Richard Sandberg, Middle River
B.S. '40, University of Minnesota. Field of Concentration: Educational Administration.

Manny Nahum Schor, Cleveland, Ohio
B.S. with distinction '40, Ohio State University. Major: Journalism. Minor: Psychology. Thesis: A Study of Reader Preferences in Labor Papers.

Norman Edgar Schuett, Crookston
B.A. '46, University of Minnesota. Field of Concentration: Social Work.

Sister Alicene Tucker, St. Joseph
B.A. '30, College of St. Benedict. Major: History. Minor: Latin. Thesis: Eleanor of Aquitaine and Her Influence on the Manners and Culture of Europe.

Stanley Alexander Vejtasa, Henning
B.S. '37, North Dakota Agricultural College. Field of Concentration: Educational Administration.

Carol Lillian Williams, Minneapolis
B.S. '41, University of Minnesota. Field of Concentration: Education.

Doris Elisabeth Wolf, New York, N. Y.
B.A. *cum laude* '45, Radcliffe College. Field of Concentration: Zoology.

Inez McPherson Yost, Stuart, Ia.
B.A. '41, Whittier College. Field of Concentration: Social Work.

Norbert James Zeimes, Minneapolis
B.A. '42, St. John's University. Field of Concentration: Curriculum and Instruction.

MASTER OF ARTS IN PUBLIC ADMINISTRATION

Dorothy Frances O'Shaughnessy, Minneapolis
B.S. '43, University of Minnesota. Field of Concentration: Public Administration.

William Joseph Siffin, Frankfort, Ind.
B.S. with distinction '43, Indiana University. Major: Public Administration. Thesis: Municipal Power Distribution in the Tennessee Valley Area.

Norman Wendell Todd, Bismarck, N. D.
B.S. '32, M.S. '33, North Dakota Agricultural College. Major: Public Administration. Thesis: Seasonal Employment under the North Dakota Unemployment Compensation Law.

Daniel Webster Tuttle, Jr., Quincy, Ill.
B.A. '45, Illinois College. Major: Public Administration. Thesis: General Contingent Fund Management in Minnesota: the Minnesota Legislative Emergency Committee and the Minnesota Legislative Advisory Committee 1939-1947.

MASTER OF BUSINESS ADMINISTRATION

Roy Anthony McKinnon, Minneapolis
B.Aero.E. with distinction '45, University of Minnesota. Field of Concentration: Business Administration.

Daryl Gordon Mitton, Minneapolis
B.Ch.E. with distinction '44, University of Minnesota. Field of Concentration: Business Administration.

Loren Ernest Swanson, St. Paul
B.E.E. '44, University of Minnesota. Field of Concentration: Business Administration.

MASTER OF SCIENCE

Dorothy Lorio Baronofsky, Minneapolis
B.A. *magna cum laude* '47, University of Minnesota. Field of Concentration: Speech Pathology.

Rene Hilaire Bernas, New York, N. Y.
B.S. '43, Dickinson College; License of Science '46, Sorbonne University (Paris). Major: Physics. Minor: Electrical Engineering. Thesis: Separation of Isotopes by Electromagnetic Means.

Kay Winger Blair, Minneapolis
B.A. *cum laude* '45, St. Olaf College. Major: Physics. Minor: Mathematics. Thesis: A Study of the Ion Beam Produced in a Mass Spectrometer.

Lora Joos Caster, Alma Center, Wis.
B.S. with honors '44, University of Wisconsin. Major: Home Economics. Minor: Agricultural Biochemistry. Thesis: The Urinary Thiamine and Pyrimin Excretion of Growing Rats on Different Known Levels of Thiamine Intake.

Violet Lundgren Clark, Elsinore, Calif.
B.S. '42, University of Minnesota. Major: Horticulture. Minor: Agricultural Economics. Thesis: The Cold Resistance of Certain Species of Herbaceous Perennials.

Larry Fuller Fly, Minneapolis
B.Ch.E. '40, University of Minnesota. Field of Concentration: Mathematics and Mechanics.

Japhas Andrew Gordon, Pine Bluff, Ark.
B.S. '41, Arkansas Agricultural, Mechanical and Normal College. Field of Concentration: Agricultural Economics.

Elizabeth Jane Johnston, Traer, Ia.
B.A. '45, Coe College. Major: Zoology. Minor: Entomology. Thesis: A Study of Two New Mutations in *Drosophila melanogaster*: I. An Eye Shape Mutant; II. An Eye Texture Mutant.

Gilbert Roger Kempe, Lyon, France

B.S. '38, University of Strasbourg;
Ingenieur Civil des Mines '47, Ecole
Nationale Supérieure des Mines de
St-Etienne. Major: Metallurgy. Minor:
Industrial Engineering. Thesis: A Study
of Dephosphorization of Liquid Iron
under a Slag of $\text{CaO-SiO}_2\text{-P}_2\text{O}_5\text{-Al}_2\text{O}_3$ at
Steelmaking Temperature.

John Arthur Manning, Minneapolis

B.A. '36, University of Minnesota. Field of
Concentration: Speech Pathology.

Syed Nezamuddin, India

B.S. '44, Agra University. Field of Con-
centration: Agronomy.

Charles Russell Okken, McGrath

B.S. '46, University of Minnesota. Field of
Concentration: Horticulture.

Robert Edwin Schofield, Nashville, Tenn.

B.A. '44, Princeton University. Major:
Physics. Minor: Mathematics. Thesis:
Neutron Physics and the Elementary
Theory of the Neutron Chain-reacting
Pile.

Glenn Ackerman Scott, New Ulm

B.S. '26, North Dakota Agricultural Col-
lege. Field of Concentration: Agricultural
Education.

Danica Stocesova, Praha, Czech.

Graduate '45, Charles University (Prague).
Major: Physical Chemistry. Minor: Ana-
lytical Chemistry. Thesis: A Comparison
of the Strength of Some Lewis and Bron-
sted Acids with Reference to Pyridine
and Aniline.

Jon Torgeirson Vik, Øystese, Norway

Artium '44, Voss Gymnasium; Gardiner
Examination '46, Levanger School of
Horticulture. Major: Horticulture. Minor:
Plant Pathology. Thesis: The Relation of
Thinning of Fruits and Other Factors to
Growth and Development of Haralson
and Wealthy Apples.

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

Maurice Joseph Couture, Eau Claire,
Wis.

B.Ch.E. '44, University of Minnesota.
Major: Chemical Engineering. Minor:
Mathematics. Thesis: The Effect of
Straightening Vanes on Turbulence in
Air Flow.

Raymond Robert Holl, Forest Lake

B.Ch.E. with distinction '45, University
of Minnesota. Major: Chemical Engineer-
ing. Minor: Business Administration.
Thesis: Molded Plastics from Sawdust.

MASTER OF SCIENCE IN CIVIL ENGINEERING

Adrian Kasper Stahl, Minneapolis

B.C.E. '46, University of Minnesota. Major:
Civil Engineering. Minor: Mathematics.
Thesis: A Discussion of Wind Stresses
in Tall Office Buildings.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

Frank Akutowicz, Windsor, Conn.

B.S. '44, Swarthmore College. Field of Con-
centration: Mechanical Engineering.

MASTER OF SCIENCE IN UROLOGY

Richard Victor Daut, Muscatine, Ia.

B.A. '41, M.D. '44, University of Iowa.
Major: Urology. Minor: Surgical Pa-
thology. Thesis: Diagnosis of Malign-
ancies of the Urinary Tract by Means
of Microscopic Examination of Centrifuged
Urinary Sediment.

COLLEGE OF MEDICAL SCIENCES

DOCTOR OF MEDICINE*

David Lawrence Rosenbaum, B.A., B.S.,
M.B., Minneapolis

* This degree is conferred subject to the satisfactory completion of hospital internship within one month.

GRADUATE SCHOOL

DOCTOR OF PHILOSOPHY

Frank Willis Bope, Thornville, Ohio
B.S. *summa cum laude* '41, Ohio State University. Major: Pharmaceutical Chemistry. Minor: Pharmacology. Thesis: A Preliminary Phytochemical and Pharmacological Investigation of the Tannin Obtained from *Pinus caribaea*, Morelet. Major Adviser: Prof. Ole Gisvold.

George Robert Carlsen, Boulder, Colo.
B.A. *magna cum laude* '38, B.S. '40, M.A. '43, University of Minnesota. Major: Education. Minor: English. Thesis: A Study of the Effect of Reading Books about the Negro on the Racial Attitudes of a Group of Eleventh Grade Students in Northern Schools. Major Adviser: Prof. D. V. Smith.

Huai-chang Chiang, Shanghai, China
B.S. '38, National Tsing Hua University; M.S. '46, University of Minnesota. Major: Entomology. Minor: Zoology. Thesis: An Analytical Study of Population Growth in *Drosophila*. Major Adviser: Prof. A. C. Hodson.

Leo Charles Fay, St. Paul
B.S. with distinction '42, M.A. '47, University of Minnesota. Major: Education. Minor: Educational Psychology. Thesis: The Relationship between Specific Reading Skills and Selected Areas of Sixth Grade Achievement. Major Adviser: Prof. G. L. Bond.

Harold Ernest Hardy, St. Paul
B.A. '25, Pomona College. Major: Economics. Minor: Agricultural Economics. Thesis: The Integration of Manufacturing and Chain Distribution—with Special Reference to Food Products. Major Adviser: Prof. R. S. Vaile.

Tribhuwan Ram Mehta, Kanpur, India
B.S. '28, Benares University; Assoc. I.A.R.I. '31, Imperial Agricultural Research Institute. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Correlation of Yield and Certain Quantitative Characters in Soybeans. Major Adviser: Prof. H. K. Hayes.

Kenyon Thomas Payne, Manhattan, Kan.
B.S. '39, Kansas State Agricultural College; M.S. '41, University of Nebraska. Major: Plant Genetics. Minor: Plant Pathology. Thesis: A Comparison of Combining Ability in F_2 and F_3 Lines of Corn. Major Adviser: Prof. H. K. Hayes.

Carl Frederick Sierk, St. Paul
B.S. '39, University of Idaho; M.S. '41, University of Minnesota. Major: Animal Husbandry. Minor: Plant Genetics. Thesis: A Study of Heterosis in Swine. Major Adviser: Prof. L. M. Winters.

David Siminovitch, Montreal, Canada
B.S. with honors '36, M.S. '37, Ph.D. '39, McGill University. Major: Agricultural Biochemistry. Minor: Plant Physiology. Thesis: Seasonal Chemical Changes in the Living Bark of the Common Locust Tree in Relation to the Problem of Frost Hardiness. Major Adviser: Prof. D. R. Briggs.

Roop Kishore Tandon, Farrukhabad, India
B.Sc. '31, Cawnpore Government Agricultural College; M.Sc. '33, Benares Hindu University; Associate I.A.R.I. '36, Imperial Agricultural Research Institute. Major: Agronomy. Minor: Soils. Thesis: Relative Susceptibility of Flax Varieties to Rates and Formulations of 2,4-Dichlorophenoxyacetic Acid. Major Adviser: Prof. R. S. Dunham.

Edwin William Tisdale, Moscow, Idaho
B.Sc. '29, University of Manitoba; M.S. '45, University of Minnesota. Major: Botany. Minor: Agronomy. Thesis: An Ecological Study of Montane Forest Vegetation in Southern Interior British Columbia. Major Adviser: Prof. W. S. Cooper.

John Alfred Toogood, Calgary, Canada
B.S. '41, University of Alberta. Major: Soils. Minor: Agronomy. Thesis: The Adequacy of Major Plant Nutrients in Certain Minnesota Soils under a Soil Management Program. Major Adviser: Prof. C. O. Rost.

Paul Robert Wendt, Minneapolis
B.A. '31, Harvard College; M.A. '42, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: Factors Affecting Fixation Points in Viewing an Educational Motion Picture. Major Adviser: Prof. W. W. Cook.

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 87,184 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-six 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, super-sonics and transonics, to mention only a few. Laboratory fixtures and supplies necessary for this research range from a bank of compressors totaling 5,400 horsepower to hundreds of white mice; from "atom smashers" to specially designed surgical instruments; from forges and foundries to wind tunnels; from a nursery school to a rock-testing laboratory—all equipment needed by the scientist in his essential contributions to the discovery of new things.

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.

We are proud of our University—not because it is the second largest state university, but because of the extent and quality of its services to the people of our state.



UNIVERSITY OF MINNESOTA

August Commencement

1948

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, AUGUST 26

AT EIGHT O'CLOCK



University of Minnesota

THE BOARD OF REGENTS

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 Ray J. Quinlivan, St. Cloud
The Honorable F. J. Rogstad, Detroit Lakes
The Honorable Fred B. Snyder, Minneapolis
The Honorable Sheldon V. Wood, Minneapolis

Dr. James Lewis Morrill, President of the Board
Mr. William T. Middlebrook, Secretary of the Board

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 room.

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 gave 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 87,634 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-six 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. Laboratory fixtures and supplies necessary for this research range from a bank of compressors totaling 5,400 horsepower to hundreds of white mice; from "atom smashers" to specially designed surgical instruments; from forges and foundries to wind tunnels; from a nursery school to a rock-testing laboratory—all equipment needed by the scientist in his essential contributions to the discovery of new things.

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.

We are proud of our University—not because it is the second largest state university, but because of the extent and quality of its services to the people of our state.

Order of Events

THE ASSEMBLING OF THE AUDIENCE: As candidates for degrees at this evening's commencement and their friends and relatives approach Northrop Auditorium on the Minneapolis Campus, they will hear the chimes, a recent gift from a friend and neighbor, Mr. H. R. Brown of southeast Minneapolis. Only a portion of the chimes has been installed as yet; beginning with the next winter commencement, the entire set will be used. The carillonneur this evening is Professor Paul M. Oberg, Ph.D., Chairman of the Department of Music. Guests will be seated as they arrive at the Auditorium and will remain seated until the colors are presented.

ORGAN RECITAL: Beginning at 7:30 p.m. Mr. Edward Berryman, Instructor in Music, will play:

Fantasia and Fugue in G Minor	BACH
Concerto Grosso	VIVALDI
Adagio	
"Nun freut euch"	BACH
Trio Sonata in E Minor	BACH
Allegro	
Toccata	GIGOUT
Processional: Sonata III	MENDELSSOHN

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: Dr. R. K. Gaumnitz, Assistant Dean of the School of Business Administration, Marshal; Mr. James S. Lombard, Director of the Department of Concerts and Lectures; Dr. Horace T. Morse, Dean of the General College; Miss Katharine J. Densford, Director of the School of Nursing; Dr. Russell M. Cooper, Assistant Dean of the College of Science, Literature, and the Arts; Mr. T. A. H. Teeter, Dean of the Summer Session; Dr. Harold Macy, Associate Director of the Agricultural Experiment Station; Commander Charles F. Putman, Naval Science and Tactics; Professor Horace E. Read, Law School; Dr. Henry Schmitz, Dean of the College of Agriculture, Forestry, and Home Economics; Mr. Hurst Anderson, President of Hamline University; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Dr. Charles H. Rogers, Dean of the College of Pharmacy; Dr. Marcia Edwards, Assistant Dean of the College of Education; Dr. Richard L. Kozelka, Dean of the School of Business Administration; Professor John G. Darley, Assistant Dean of the Graduate School; Mr. True E. Pettengill, Recorder; Mr. Roy Schuessler, Assistant Professor of Music; and Dr. Errett W. McDiarmid, University Librarian, 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.

Order of Events

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

INVOCATION: The Reverend James S. Lombard, B.D., Director of the Department of Concerts and Lectures, University of Minnesota.

COMMENCEMENT ADDRESS: "A Democratic Dynamic," President Hurst Anderson, M.A., President of Hamline University, St. Paul.

CONFERRING OF DEGREES: Degrees will be conferred by Dean Henry Schmitz, Ph.D., Dean of the College of Agriculture, Forestry, and Home Economics. Candidates will be presented by Dean Horace T. Morse, Ph.D., for the General College; Miss Katharine J. Densford, D.Sc., for the School of Nursing; Assistant Dean Russell M. Cooper, Ph.D., for the College of Science, Literature, and the Arts; Professor Thomas A. H. Teeter, B.S.(C.E.), for the Institute of Technology; Professor Harold Macy, Ph.D., for the College of Agriculture, Forestry, and Home Economics, and for the College of Education; Commander Charles F. Putman, B.S., for the Department of Naval Science and Tactics; Professor Horace E. Read, S.J.D., for the Law School; Dean Harold S. Diehl, M.D., for the College of Medical Sciences; Dean Charles H. Rogers, D.Sc., for the College of Pharmacy; Assistant Dean Marcia Edwards, Ph.D., for the College of Education; Dean Richard L. Kozelka, Ph.D., for the School of Business Administration; Assistant Dean Russell M. Cooper, Ph.D., for the University College; and Assistant Dean John G. Darley, Ph.D., for the Graduate School.

"HAIL MINNESOTA," the University's alma mater song: The audience and Professor Roy 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. Edward Berryman.

Toccata (from the Gothic Suite) BOELLMANN

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

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

Earle Alliston Berge, Minneapolis
Marjorie June Boddy, Minneapolis
John Otto Brost, Minneapolis
Cyrus Cecil Brown, St. Paul
Graydon Edward Cadwell, Minneapolis
William Graves Christie, Minneapolis
Kenneth George Dahlheimer, Anoka
Robert Duponcel DeLong, Minneapolis

Carlton John Duke, St. Paul
Glenn Arthur Eide, Minneapolis
Lyle Victor Erickson, St. Paul
Marilyn Louise Hilliard, Minneapolis
John Walter Kelly, St. Paul
Jack Terry Magnuson, Stillwater
J. Cornell McElroy, Minneapolis
Kermit Dean Olson, Minneapolis
Harold Edward Solmonson,
Minneapolis
Marilyn Ruth Weiner, Minneapolis

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing*

Martha Lenore Dallam, Ft. Dodge, Ia.
Joanne Louise Hawkinson, St. James
Elaine Doris Jernstrom, A.A., Rapid
City, S.D.

Helen Jane Johnson, Clarion, Ia.
Ilo Mae Klobe, Glencoe

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Harlan Herbert Erlandson, Kinbrae
Dorothy Ann Gisch, South St. Paul
William Francis Gorman, St. Paul
Wilbur Ervin Norris Keil, Redwood
Falls
Lawrence Matson Linnett, Tyler
Marjorie Ruth McNee, St. Paul

LeRoy Herbert Neuman, Minneapolis
Lalonde Martin Pinne, Butte, Mont.
John Lewis Schummers, Minneapolis
Lumir Charles Severson, Minneapolis
Stewart Douglas Stevens, Jr., A.A.,
St. Paul
Ardelle Joyce Wessberg, Robbinsdale

* These degrees are conferred subject to the satisfactory completion of nursing practice prior to December 16, 1948.

Bachelor of Arts

- Ann Lorraine Aasve, Gladstone, Mich.
 Corinne Shirley Abel, St. Paul
 Buel Edward Abrahamsen, Winona
 Virginia Mae Alden, St. Paul
 Connie Rhoda Altman, Minneapolis,
 CUM LAUDE*
- Hannah Andersen, A.A., Albert Lea
 LeMoyne Anderson, Minneapolis
 Irma Violet Antila, Floodwood
 John Joseph Bahnak, A.A., Minne-
 apolis
 Georgia Ann Baldwin, Grove City
 Jack Raymond Bean, Minneapolis
 Jack William Beavens, St. Paul
 James Edward Blake, Jr., Minneapolis
 Jack Jerome Block, Chicago, Ill.
 Irving deBaer Blum, Minneapolis,
 MAGNA CUM LAUDE
- Henry John Bogucki, Minneapolis
 Lewis Raymond Bouma, Jr., St. Paul
 William Conrad Bracken, Jr.,
 Minneapolis
 Dorothy Marie Braun, Wolsey, S. D.
 Pamela Yale Brooks, Minneapolis
 Patricia Anne Brown, Minneapolis
 Francis Charles Butala, Elcor
 Raymond Peter Carlson, Northome,
 MAGNA CUM LAUDE
- Russell Gale Carlson, Minneapolis
 Frank Joe Carthey, Minneapolis,
 MAGNA CUM LAUDE
- Harry James Caughren, Jr., Osakis
 John Leslie Chapman, St. Paul
 Geraldine Clark, Minneapolis
 Herbert James Coleman, Duluth
 Richard Walter August Coller,
 St. Paul
 William Erland Cook, Minneapolis
 Donald Oliver Davis, Onamia
 Panagiotis Allan Dionisopoulos,
 St. Paul
 Eugene Myron Ericson, St. Paul
 LeRoy Hart Foote, Foley
 Kenneth Wayne Galvin, St. Paul
 Elbert John Gamble, Albert Lea
 Arthur Chauncey Gannett, St. Louis
 Park
- Oliver Edwin Geiss, St. Paul
 Donald Hall Grawert, Minneapolis
 Horace William Greeley, Duluth
 Francis John Grimmell, St. Paul,
 CUM LAUDE
- Jon Ramon Grutzmaker, Th.B.,
 Minneapolis
 Verne Joseph Guion, St. Paul
 Kare Gundersen, Stavanger, Norway,
 MAGNA CUM LAUDE
- Mary Ann Hafner, Minneapolis
 Violet Evelyn Hallen, Minneapolis
 Muriel Wessman Hanson, Dassel
 Earl Olaf Hockstedler, Minneapolis
 Morris Milton Homstad, Cannon Falls
 Paul Benjamin Huenemann, Garner,
 Ia.
 Marjorie Jane Huss, Cedar Falls, Ia.
 Park Harry Irvine, St. Paul
 Lorraine Audrey Johnson, Minneapolis
 Kenneth Richard Joseph, Breckenridge
 Harold Baird Kadesky, St. Paul, CUM
 LAUDE
- James William Keeler, Minneapolis
 James Edwin Kelley, Hopkins
 Kenneth Russell Kinney, Minneapolis
 Reuben Stanley Krogstad, St. Paul,
 MAGNA CUM LAUDE
- Donald David Laiderman, Minneapolis
 Joyce Lois Lane, A.A., Minneapolis
 Arileen Ruth Larson, Minneapolis
 James Sylvester Leason, St. Paul
 Glenn Burnell Lewis, Minneapolis
 Elmer Geer Lindquist, Minneapolis
 Howard Wallace Lindquist, Cedar
 Helen Marts, Lucas, Ia.
 Donald MacMillan Mayberg, Minne-
 apolis
 Fredric Theodore Mayer, Minneapolis
 Robert John McCall, Fairmont
 Lee William McCutchen, Minneapolis
 James Edward McGovern, Little Falls
 Gordon William McGregor, Minne-
 apolis, CUM LAUDE
- John Robert McLeod, Rice Lake, Wis.
 Helen Marie McMillan, Minneapolis
 Calvin Arthur McNelly, Hutchinson

* Degree conferred as of July 22, 1948.

Arnold Dieter Mendel, St. Paul
 Kenneth David Miller, St. Paul
 Ruth Ann Mills, Minneapolis
 Donald Mathias Mishek, St. Paul
 William George Mizuno, A.A., St. Paul, CUM LAUDE
 Neil Warren Mold, St. Paul
 Hugh John Morris, St. Cloud
 Sandy Arthur Myhre, Luverne
 Burdette Campbell Nicholls, Minneapolis
 Joseph Terrance Noah, Crookston
 Olaf Harold Norgaard, Hazel Run
 Howard Donald Norlander, Rochester
 Roy Victor Norquist, Minneapolis
 Milton Elmer Nyquist, Minneapolis
 Thomas William O'Connor, Minneapolis
 Robert Welde Oelke, St. Paul, CUM LAUDE
 Kaj Helge Torstenson Ohrbom, Minneapolis
 Kenneth George Olson, St. Paul
 Orville Kreiser Olson, Jr., St. Cloud
 Thomas Vernon Olson, Minneapolis
 Rankin Ray Pickens, Minneapolis
 Earl Edward Pollock, Sioux City, Ia.
 Mary Teresa Preston, Minneapolis
 Edward Frank Purdy, Jr., Minneapolis
 Clifford James Quinlan, Canby
 George Lambert Ramczyk, Minneapolis
 Ralph Oliver Ramstad, Minneapolis
 Paul Louis Roney, St. Paul
 Morris Maynard Rossenfeld, Des Moines, Ia., CUM LAUDE
 Joseph Rovitzky, St. Paul
 Vernon Rubel, Lake Park, Ia.
 Gertrude Edith Ruhberg, Tarzana, Calif.

Leslie George Rutherford, St. Paul, CUM LAUDE
 Leonard Bertram Sand, Eveleth
 Allen Robert Sandvik, Minneapolis
 Edward Richard Schlattman, St. Paul
 Elsa Louise Schularick, Minneapolis
 Earl William Schultz, Minneapolis
 Henry William Schulz, Minneapolis
 Joey Henry Schwartz, Minneapolis
 Charles William Seefeldt, St. Paul Park
 Ramona Fae Severson, Canby
 Frank Shapiro, Minneapolis
 Leonard Sheldon Skinner, Hinckley
 Kathryne Louise Standorf, Whittier, Calif.
 James Eugene Stewart, Pitcairn, Pa.
 Melvin Lee Strand, Clarissa
 Dorothy Frances Stubblefield, Arlington, Va.
 Lavern Francis Sykora, Minneapolis
 Paul Desmond Toher, Minneapolis, MAGNA CUM LAUDE
 Audrey Mae Trippe, Minneapolis
 William Trousdale, Ida Grove, Ia.
 Gertrude B. Trygestad, Lake Lillian
 Virgil Edward Vollmer, Minneapolis
 Donald George Waldhalm, Minneapolis, CUM LAUDE
 Carita Williams, Minneapolis
 James Carroll Williams, Minneapolis
 Benjamin Wittels, Minneapolis, MAGNA CUM LAUDE
 Arthur Jacob Wyatt, Jr., Minneapolis, MAGNA CUM LAUDE
 Ruth Barbara Ylvisaker, Mankato
 Robert Bradford Young, Minneapolis
 Richard Edward Zellmer, Minneapolis

Bachelor of Science

Marilyn Sharon Segal, Minneapolis

Bachelor of Science in Library Science

LeMoyne Anderson, Minneapolis

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Ernest Allen Baillif, Bloomington,
WITH DISTINCTION
Henry Kennard Becker, St. Joseph,
Mo., WITH DISTINCTION
Fred Alger Becks, Duluth
William Edward Bornemann, Hallock,
WITH DISTINCTION
Calvin Alfred Bugbee, Morris
Donald Delton Carlson, Minneapolis
David Osborne Chelgren, Minneapolis
James Emil Dahlof, Crookston, WITH
DISTINCTION
Roger Joseph Gudahl, Sioux Falls,
S.D.
Gudbrand Haakenstad, Lunner, Nor-
way
Werner Philip Hanni, Sioux Falls,
S.D.
William Joseph Hurley, Jr., Stillwater
Robert Frank Johnson, Minneapolis
Paul Edward Jones, Jackson Heights,
N.Y.
Donald Miller Kuehn, A.A., Roches-
ter, WITH DISTINCTION
Russell Lorraine Ladd, Hardwick

Stanley Austin La Favor, Minneapolis
Charles Ferguson Le Cocq, Ft. Wil-
liam, Canada
Edward John Luck, St. Paul
Herbert Arthur Lyon, St. Paul, WITH
DISTINCTION
Hollis Benton Merrell, Baldwin, Wis.,
WITH DISTINCTION
Charles Nielsen, Jr., St. Paul
Allan William Opsahl, Minneapolis
Edward Jerome Pipes, Jr., Rapid City,
S.D.
Merril Vernon Riccius, Minneapolis
Raymond Junior Salscheider, St. Paul
Kenneth William Satrom, Minne-
apolis
Martin Schumeister, St. Paul
Sherman Santoris Sollie, Fertile
Richard Roscoe Stinchfield, Robbins-
dale
Robert Wright Stinson, Nespelem,
Wash.
La Verne William Stirling, Amenia,
N.D.
Edward James Sullivan, Minneapolis

Bachelor of Civil Engineering

Thomas Abate, St. Paul
Theodore James Barker, Duluth
Douglas Warren Barr, B.S., Wood
Lake, WITH DISTINCTION
Dennis Christopher Barry, Duluth
George Forseth Brown, St. Paul
William John Brune, Mankato
Donald Oliver Carley, St. Paul
William Luverne Cottrell, Minne-
apolis
Thomas Jerome Dosh, Minneapolis
William James Eklund, Duluth

William Croft Faust, Duluth
Frederick Louis Helmer, St. Paul
Wayne Albert Holum, St. Paul
Marilyn Ethel Jorgensen, Hollywood,
Calif.
Jerome Norbert Julius, Minneapolis
Richard Edward Kremer, Minneapolis
Herbert Fredrik Nyberg, Minneapolis
Robert Edwin Rowland, St. Paul
Walter Joseph Schularick, Grand
Rapids

Bachelor of Electrical Engineering

Melvin George Alderink, Pease
Vern Allen Anderson, Willmar

Robert Edward Antletz, Minneapolis,
WITH DISTINCTION

James Louis Blilie, St. Paul
 Carl Theodore Boettcher, Gaylord
 William George Chapin, St. Paul
 Joseph Anthony Churik, Leechburg,
 Pa.
 Joseph George Domovich, St. Paul
 Dwight Lemuel Howard Edwins, St.
 Paul
 George Prentiss Ellison, Minneapolis
 Charles Noel Enderle, Minneapolis
 William Robert Fischer, Minneapolis,
 WITH DISTINCTION
 Jackie Ottman Fox, Minneapolis
 Francis Leonard Gabrielson, Robbins-
 dale
 Arthur Chauncey Gannett, Davenport,
 Ia., WITH HIGH DISTINCTION
 Orvin Dale Hanke, St. Paul
 Everett Lewis Hare, Rochester
 Robert Clifton Herrick, White Bear
 Lake

Robert Arthur Higgins, Aberdeen,
 S.D., WITH DISTINCTION
 George Ferdinand Horst, Minneapolis
 Lester Mons Johnson, Minneapolis
 James Richard Ketchum, B.S., Bovey
 Benjamin Franklin Kimler, St. Paul
 Earl Herbert Lindberg, Minneapolis
 Don Allanson Merkel, Gaylord
 Spencer Greer Ogden, St. Paul
 Robert Winton Pettersen, A.A., St.
 Paul
 James Henry Rough, Jr., Hibbing
 Edwin Otto Salvesson, Duluth
 Elmer William Schwittek, Minne-
 apolis, WITH DISTINCTION
 Charles Thysell Sickel, St. Paul
 Harry Folsom Stillwell, Minneapolis
 Earl William Velander, Minneapolis
 Norman Phillip Yarosh, Minneapolis
 Se Puan Yu, Manila, Philippines,
 WITH DISTINCTION

Bachelor of Mechanical Engineering

Joyce C. Amley, B.A., New Richland
 Robert Henry Appel, Evansville, Ind.
 Ernest Allen Baillif, Bloomington,
 WITH DISTINCTION
 Richard Eugene Bosquet, St. Paul,
 WITH DISTINCTION
 George Sidney Broadston, B.S. in
 Naval Technology, Minneapolis
 Neil Marshall Clark, Minneapolis
 Charles Francis Coons, B.Aero.E., St.
 Paul
 Elwood Leonard Demmon, Jr., Minne-
 apolis
 Marshall Leonard Drucker, St. Paul
 Alf Eidsvoog, Minneapolis
 Marvin Theodore Elstad, St. Paul
 Raynold Carl Erickson, Minneapolis
 Glenn Fred Gausman, St. Paul
 Donald Allan Gilbert, St. Paul
 James Franklin Hall, Minneapolis
 Donald Taylor Hanbery, Minneapolis
 Maurice Stanley Iverson, Valley City,
 N.D., WITH DISTINCTION
 Walter Britton Jordan III, Minne-
 apolis
 William Edward Kahlert, Minneapolis
 John Alden Kilby, St. Paul

Glenn Hartland King, St. Paul
 Edward Joseph Kozisek, Minneapolis
 Charles David Maytum, Rochester
 Robert Carrol Muir, Jackson
 Donovan O. Norquist, Minneapolis
 Norman Christopher Olson, Duluth
 George Pappas, B.Aero.E., Minne-
 apolis
 Raymond Edward Pearson, Duluth
 Burton Emery Peterson, Minneapolis
 Donald Lawrence Robbins, Wahkon
 Stanley Albert Schmidt, Hibbing
 Arnold Smith, Minneapolis, WITH
 HIGH DISTINCTION
 Charles Virgil Smith, Coleraine
 Melvin Herman Sorensen, Bellwood,
 Neb.
 Thomas Waldemar Techler, St. Paul
 Kenneth LeRoy Thornbury,
 B.Aero.E., St. Paul
 James Herbert Thurow, Winona
 Wayne Franklin Tiedeman, Oronoco
 James Leslie Tobin, Eveleth
 Robert Elmer Warner, Deer River
 Philip Eugene Wheaton, Minneapolis
 Vernon Jerome Worrel, St. Paul, WITH
 DISTINCTION

Bachelor of Chemical Engineering

Howard Earle Ayer, Minneapolis
Norman Bearman, Minneapolis
John Nickelson Bergman, Duluth
Robert Carr Bertelsen, Minneapolis,
WITH HIGH DISTINCTION
Herbert Hartman Borsvold, St. Cloud
Louis Brgant, Ely
John Stewart Corbett, Luverne
Charlton John Defiel, St. Paul
James Patrick Derouin, Eau Claire,
Wis.
Theodore Edstrom, Minneapolis
John Ahlsten Forsman, Duluth, WITH
HIGH DISTINCTION
John Wayne Gorman, Sioux Falls,
S.D., WITH HIGH DISTINCTION
John Victor Hario, Hibbing
Orrin Millard Haugen, Minneapolis
Robert Arthur Hobus, St. Paul
Alexander Edward Klenck, St. Paul
Fred Thomas Lanners, Jr., St. Paul
Charles Rykken Lea, Duluth, WITH
DISTINCTION
Gerhard Julius Christ Limpert, Min-
neapolis
Harold Carl Lofgren, Minneapolis,
WITH HIGH DISTINCTION
Rennold Joseph Luger, Jr., Minne-
apolis
James Edward Nauss, Albany
Robert Olaf Ness, Minneapolis
Walter Keiji Osaka, Minneapolis
Martin Perl, Minneapolis
Edward Robert Peterson, Minneapolis
Gordon Conrad Seeler, St. Paul, WITH
HIGH DISTINCTION
Lytton Taylor III, Minneapolis
Frank Ernest Uhlemann, Minneapolis
William John Whitsitt, Duluth

Bachelor of Physics

Hubert Bartlett Allinger, Minneapolis,
WITH DISTINCTION
Gregory Louis Martin, Duluth, WITH
DISTINCTION
Roger Burton Gillam, Austin

Bachelor of Geological Engineering

Daniel Robbins Crowell, Jr., Brainerd
William Lawrence Johnson, Minne-
apolis

Bachelor of Mining Engineering

Delno Wayne Carlton, Emily

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

Bachelor of Science

Clifford Elmer Ahlgren, Brimson, For-
estry
Henry Robert Brandt, Minneapolis,
Forestry
Ellen Marie Engum, St. Paul, Home
Economics
Neill A. Gebhart, St. Paul, Forestry
Dorothy Gendreau, Little Falls, Home
Economics
Max H. Gerard, Minneapolis, Agricul-
ture

Gloria Jeanne Groth, Ortonville, Home Economics	Renee Hope Schwartz, Minneapolis, Home Economics
Donna Lou Hanson, St. Paul, Home Economics	Jean Elfa Syreen, Crosby, Home Eco- nomics
Kenneth Henry Kruizenga, Baldwin, Wis., Agriculture	Margaret Jeanne Viger, Eveleth, Home Economics
Aili Suzanne Mahonen, Gilbert, Home Economics, WITH HIGH DISTINCTION	Robert Norvin Webb, Minneapolis, Forestry
Robert Torrence Martin, Bovey, Sci- ence, WITH DISTINCTION	Judd LeRoy Welliver, St. Paul, For- estry
Malcolm McLean, Madelia, Agricul- ture	Robert Henry Werner, Little Falls, Agriculture
Gerald Phillip Schoenfelder, Roches- ter, Agriculture	

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

Bachelor of Science

Lois Gronholz Bergersen, Appleton, Home Economics Education	Olaf Eino Kolari, Virginia, Agricul- tural Education
Jean Louise Colwell, St. Paul, Home Economics Education	Martin Korsman, Gilbert, Agricultural Education
Lois Jean Illsley, Faribault, Home Eco- nomics Education, WITH DISTINC- TION	Lee Daniel Sandager, Hills, Agricul- tural Education

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Ensign, SCS, USNR

Murray Paul Casserly

Ensign, Line, USNR

Elwood Leonard Demmon, Jr.	Arthur Edward Johnson
Francis Leonard Gabrielson	Herbert Fredrick Nyberg
Eugene Stanley Graczyk	

LAW SCHOOL

Bachelor of Science in Law

Lawrence Edmund Addy, Minneapolis	Alfred Jerome Bergsten, Minneapolis
Robert Richard Alderman, Brainerd	Willard Patrick Clark, Fargo, N.D.
Clifton W. Anderson, Wilmot, S.D.	Norman Cohen, Minneapolis
Warren Howard Anderson, Grand Rapids	Alamander William Cole, Sleepy Eye
	Charles Ladner Donlin, St. Cloud

David Caufield Donnelly, St. Paul
 Herbert Richard Drews, Minneapolis
 James Arthur Edman, Chisago City
 William Thomas Egan, Minneapolis
 Arnold Irving Feinberg, Minneapolis
 Wesley A. Fink, Sauk Centre
 Fred Kelton Gage, Jr., Minneapolis
 Howard Norton Groven, Dexter
 Milton Eugene Gruber, Minneapolis
 Thayer Kenneth Gudmestad, Granite Falls
 Walter C. Gustafson, Minneapolis
 Robert Frank Henson, Ft. Smith, Ark.

James Lyman Hetland, Jr., Minneapolis
 Ralph Harry Johansen, Jr., St. Paul
 Leonard Juster, Minneapolis
 Harold Marvin Lichterman, Minneapolis
 Jerre Frank Logan, St. Paul
 James Montgomery Lynch, St. Paul
 Wallace Collins Odell, Chaska
 Vernon S. Sandager, Tyler
 Paul MacDonald Shaw, International Falls
 Donald Charles Steiner, Mankato

Bachelor of Laws

Peter Christ Andrews, B.A., St. Paul
 Lawrence Charles Boyes, B.S.L., Minneapolis
 Donald Salter Burriss, B.S., M.A., Minneapolis
 Lester Raymond Christianson, B.S.L., Minnesota
 Nelson Kiyoshi Doi, B.S.L., Kawaihae, Hawaii
 William George Easton, B.S., Stillwater
 John Moonan Fitzgerald, B.S.L., Rochester
 Edward Michael Glennon, B.A., Chicago, Ill.
 Lionel Greenberg, B.B.A., Minneapolis
 James Henry Hennessy, B.S.L., Minneapolis
 James Dean Kempf, B.S.L., Humboldt
 Howard William Larsen, B.Ch.E., Brooklyn, N.Y.

Julian John Larson, B.A., Glenwood
 Peter Wallace Le Roux, B.A., Grand Rapids
 Miles Welton Lord, Minneapolis
 David Joseph Markun, B.S.L., Gilbert
 Arnold Howard Martinsen, B.S.L., Minneapolis
 Gordon La Rue McRae, B.S.L., Little Falls
 Robert Cline Rice, B.S.L., Flandreau, S.D.
 William Burke Rohan, B.A., Minneapolis
 James Gordon Ross, B.S.L., St. Paul
 Hyam Segell, B.S.L., St. Paul
 Donald Charles Steiner, Mankato
 George Malcolm Stephenson, Jr., B.A., Minneapolis
 Carl Adrian Swenson, B.B.A., St. Paul
 Richard Edward White, B.A. cum LAUDE, B.S.L., Rochester

Master of Laws

Henry M. Grether, Jr., B.A., LL.B., Salt Lake City, Utah

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science (Medicine)

Donald Marvin Larson, B.A., St. Peter Robert Raymond Spurzem, B.A., Anoka

Bachelor of Science (Occupational Therapy)

Georgette Wald Vikingstad, A.S., Elmore

Bachelor of Science (Physical Therapy)

May Ellen Anderson, St. Paul

Robert Lester Polk, Minneapolis

Bachelor of Science (Public Health Nursing)

Barbara June Arnold, Bethany, Okla.,

WITH DISTINCTION

Marion May Curran, Minneapolis,

WITH DISTINCTION

Martha Lenore Dallam, Ft. Dodge, Ia.

Eva Glassgold, R.N., Minneapolis

Joanne Louise Hawkinson, St. James

*Elaine Doris Jernstrom, A.A., Rapid
City, S.D.*

*Helen Jane Johnson, Clarion, Ia., WITH
DISTINCTION*

*Catherine Ann Kelly, Petersburg, Ill.,
WITH DISTINCTION*

Ilo Mae Klobe, Glencoe

*Doris Helen Kupferschmidt, R.N.,
Dubuque, Ia.*

Inez Liggett, Wichita, Kans.

Lola Vivian Mehl, Thief River Falls

Myrtle Grace Melom, Minneapolis,

WITH DISTINCTION

*Myrtle Hornbuckle Miller, R.N., De-
troit, Mich., WITH DISTINCTION*

Anna Sophie Olson, Centerville, Ia.

Helen Eleanor Tatarka, R.N., Hopkins

Katherine Marie Wancenried, Avoca

Muriel M. Young, Minneapolis

Master of Public Health

Richard Guy Bond, B.S., M.S., Ithaca, N.Y.

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Gloria Johnston Charlson, Virginia

Elmer Raymond Josephs, Brandon

COLLEGE OF EDUCATION

Bachelor of Science

Jean Evelyn Adkins, Stillwater

*Ferne Irene Allen, Big Lake, WITH
DISTINCTION*

Paul Storland Alm, B.A., Minneapolis

*Arthur Thomas Anderson, Leonard,
N.D.*

*Muriel Elizabeth Askov, Hudson,
Wis.**

Anthony James Bakos, Elk River,

WITH DISTINCTION

John David Behrendt, Jr., Minneapolis

*Robert Ingram Benson, B.S., Glen-
wood*

*Robert Joseph Brett, Minneapolis,
WITH DISTINCTION*

* Nursing Education curriculum.

- Ernest Emil Bruffey, B.S., M.S., Big Timber, Mont.
 Anthony Caponi, Minneapolis, WITH DISTINCTION
 Ernest John Carlson, Minneapolis
 Clifford Delmont Carpenter, B.S., Lamoni, Ia.
 Eunice Gertrude Charles, Fifield, Wis.*
 Joan Marie Dahms, Akeley
 Evelyn Drier Deno, Minneapolis, WITH HIGH DISTINCTION
 George Edward DeVries, Minneapolis
 Cora Evangeline Dinwiddie, Grand Rapids
 Gertrude Anne Dubbe, R.N., Jordan*
 Leo Theodore Engler, Stillwater
 Dorothy Mae Fincke, Belleville, Ill.
 Georgie Morse Foster, Minneapolis
 Maynard Alfton Gabrielson, Mabel
 Wayne Frank Gilleland, St. Paul
 Helen Stone Gould, Excelsior*
 Jule Jerome Hopperstad, Minneapolis, WITH DISTINCTION
 Neil Corydon Jenkins, Cloquet
 Geraldine Mae Jesser, Chicago, Ill.
 Frances Irene Prescott Johnsen, St. Paul
 Marjory Beatrice Johnson, Minneapolis*
 Ruthmarion Johnson, R.N., Brookings, S.D.*
 Edward James Kernan, Jr., Two Harbors
 Sherman Orval Kleven, Minneapolis
 Rhea H. Lang, Aurora
 Ruth E. Larson, R.N., Minneapolis*
 Myron Lieberman, B.S.L., St. Paul
 Ellen Katherine Lovine, Upsala, WITH DISTINCTION
 Orvo Everett Markkula, Chisholm, WITH DISTINCTION
 Keith Alvin Markuson, St. Paul
 Isabelle Anna Catherine Mason, Russell, WITH HIGH DISTINCTION*
 Harry Allen Mauseth, A.A., Suttons Bay, Mich.
 Thora Louise McCauley, Minneapolis, WITH DISTINCTION*
 Lillian McGreevey, Waseca
 Richard Arthur McWaters, Minneapolis
 Elinor Viola Mohn, Trail, WITH HIGH DISTINCTION
 Raymond Edward Monahan, B.Aero.E., Minneapolis
 Gordon Dale Nelson, Minneapolis
 Robert William Nielson, B.S. in Naval Technology, Minneapolis
 Samuel Stephen Pecchia, Nashwauk
 Evelyn Bergstrom Pfeiffer, Minneapolis
 John Corbin Rainbow, Anoka
 Eiler Christian Ravnholt, Luck
 Ernest Leonard Reeker, Jr., Madison, Neb.
 John Theodore Rewolinski, Sheboygan, Wis.
 James Arthur Sayer, White Bear Lake, WITH DISTINCTION
 June Carol Smith, Pennock
 Wallace Rapheal Smith, Minneapolis
 Clifford Marvin Sparby, Grygla
 Olive Bronson Thomas, St. Paul
 Emmet David Williams, St. Paul, WITH HIGH DISTINCTION
 Paul Yakymi, Minneapolis

Bachelor of Science in Library Science

- Clarence Richard Rosvall, B.Ed., Duluth
 Luella Theresa Swenson, B.A., Minneapolis

Master of Education

- Theodore George Bogda, B.A., Spring Grove
 George Durenberger, B.A., Collegeville

* Nursing Education curriculum.

Ronald August Gearman, B.S., St. Paul
 Pauline S. Hunter, B.A., Huntington, W. Va.
 Frank William Johnson, B.S., Minneapolis
 Gloria Helen Johnson, B.S., Minneapolis
 Wallace Theodore Johnson, A.A., B.S., Brookings, S.D.
 John Adam Kulbitski, B.S., South St. Paul

Victor E. Miller, B.A., St. Paul
 Marjorie Mary Schelfhout, B.S., Osakis
 Dean R. Shawbold, B.S., Minneapolis
 Charlotte Bennett Shugart, B.A., Rockwell City, Ia.
 George La Von Spoo, B.S., Waseca
 Eric John Strom, B.A., Pipestone
 James Alfred Swift, B.S., St. Paul
 Suzanne Sharp Tinker, B.S., Minneapolis
 James Harold Witham, B.E., Mankato

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Melvin George Alderink, Pease
 Gordon Gerald Almberg, St. Paul
 Cecil Carl Anderholm, Duluth
 Richard Warren Anderson, Winona
 Robert Henry Bahr, Rochester
 Philip Eugene Bass, St. Paul
 Herbert Oliver Beatty, Jr., Minneapolis
 Clarence Walter Berg, St. Paul
 Roger Alan Berger, Canby
 Warren Dean Bergstrom, Minneapolis
 Bruce Ervin Betcher, Crookston
 Cecil Sigurd Bjarnason, Minneapolis
 William Omer Bliss, Minneapolis
 George Bocan, Jr., Minneapolis
 Harry Alan Briggs, Minneapolis
 Richard David Brownlee, St. Paul
 Joseph John Casserly, Minneapolis
 James Eldridge Conley, White Bear Lake
 Dency Elizabeth Coxe, Minneapolis
 Robert Mark Craig, Minneapolis
 Robert Jack Currier, Minneapolis
 Robert Paul Davis, Minneapolis
 Donald Ambrose De Lapp, Minneapolis
 Loris Frank Dow, Minneapolis
 Lester Burton Drager, B.S., Swanville,
 WITH DISTINCTION
 Norman Eldon Dybdahl, Minneapolis
 Robert Wayne Earl, Austin, WITH
 DISTINCTION

John H. Eide, Minneapolis
 Joyce Leone Ekman, Rochester, WITH
 DISTINCTION
 Gordon Carl Fay, St. Paul
 Burton Wellner Field, B.E.E., Aberdeen, S.D.
 Michael Charles Finn, Robbinsdale
 Merlin Douglas Forsberg, Willmar
 Robert William Fosdick, Minneapolis
 Roland Arthur Francis, Minneapolis
 Arthur Adolph Gebert, Minneapolis,
 WITH DISTINCTION
 Clarence Richard Gennaro, St. Paul
 John Waldemar Gilbert, Duluth
 Roger Burton Gillam, Austin
 Paul Goldsborough, Jr., Minneapolis,
 WITH DISTINCTION
 Daniel Guy Gosselin, Minneapolis
 Solon Anson Green, Park Rapids
 Richard Eugene Gudmundson, Minneapolis
 Leslie Curtis Gullekson, Fertile
 Edward Stanley Gustafson, Duluth
 Kenneth Parks Hagebak, Guckeen
 Burton Axel Hagman, Minneapolis
 Frederick John Hauenstein, St. Paul
 Kenneth A. Hausler, Minneapolis
 Marshall Peter Hein, Minneapolis
 Conrad Clark Hendrickson, Minneapolis

William Charles Hill, Virginia
 Donald Carl Hultquist, Minneapolis
 Richard G. Jaehning, Morton
 George Lawrence Jarvi, Aurora
 Robert Clare Johnson, Minneapolis
 Robert Warren Johnson, B.S.L., St. Paul
 William Henry Jordan, Jr., Lead, S.D.
 Oscar Kenneth Kasa, Nerstrand
 William Victor Kauma, Marengo, Wis.
 Richard Edward Kremer, Minneapolis
 Leonard Frank La Belle, Minneapolis
 Orville Eugene Lais, B.E., St. Paul
 Quentin O'Dell Larson, Spooner, Wis.
 John Walter Laurens, Minneapolis
 Michael Lehrer, Springfield
 Herbert T. Lentsch, St. Paul
 Richard Coredon Lucas, Minneapolis
 Herbert Arthur Lund, Northwood, Ia.
 Anita Bernice Mattson, New Rockford, N.D.
 Ralph William McDonald, Minneapolis
 Roy Billy McQuin, Chanute, Kans.
 Robert Danial Meyer, Kilkenny
 William Theophilus Middlebrook, Jr., Minneapolis
 Alonzo Jerold Moe, Lake Mills, Ia.
 Duane Joseph Nathe, St. Paul
 James Olaf Nelson, Brainerd
 Nathan Gregg Nelson, New Richmond, Wis.
 James B. Nelstead, Miles City, Mont.
 Burton Nelson Noah, St. Paul
 William Carl Nordling, Virginia, WITH DISTINCTION
 Lloyd William Nordstrom, Minneapolis
 George Albert Oberg, Cloquet
 Donald Irving O'Dean, Minneapolis
 Donald Oliver Olson, A.A., Truman
 Harley Woodrow Olson, Minneapolis
 Norman Christopher Olson, B.S., Duluth
 Willard Gerald Oriol, St. Paul
 Arthur Willard Pearson, Duluth
 Gordon Allan Pearson, Duluth
 Robert Wilhelm Peterson, A.A., St. Paul
 Julian Mersch Prochnow, Duluth
 Donald Keith Prothero, St. Paul
 Lawrence Lewis Quam, Hawley
 James Kenneth Ramsey, Fairchild, Wis.
 Rodney Stuart Rasmusson, Williston, N.D.
 Oliver Bertram Rekow, Chaska
 Jack Elton Reynolds, Lansing, Mich.
 Newell Vernon Risdall, St. Paul
 Howard LeRoy Russ, Maple Plain
 George Clement Savage, Minneapolis
 Chester Richard Sazenski, Minneapolis
 Edward Jean Schneider, Minneapolis
 William Albert Schnell, Lake City
 Jay L. Scholtus, Virginia
 Robert John Schommer, Minneapolis
 Sheldon Schwartz, Minneapolis
 Gordon Conrad Seeler, St. Paul, WITH DISTINCTION
 Drew Christian Simonson, Minneapolis
 Ervin Milton Slind, Minneapolis
 Arnold Smith, Evanston, Ill., WITH DISTINCTION
 James Allen Smith, Minneapolis
 Ira D. Solenberger, A.A., Milltown, Wis.
 Joseph Harry Solien, Bovey
 Donald James Soukup, Montgomery
 Robert Lewis Swain, Minneapolis
 Donald Conrad Swenson, Wayzata
 William Park Tarbell, Jr., B.M.E., Fargo, N.D.
 Richard Sheldon Taylor, Minneapolis
 Ernest Robert Thueson, Stillwater
 Roy Stanley Tingquist, St. Paul
 Donald Boyd Tostenrud, Estherville, Ia.
 Alfred Donald Tourangeau, Minneapolis
 William Jan Vierima, B.Chem.E., Hibbing
 Vernon Frederick Waterman, Minneapolis, WITH DISTINCTION
 Richard W. Weiler, B.M.E., Des Plaines, Ill.

UNIVERSITY COLLEGE

Bachelor of Arts

Carol Marie Ebbesen, Revere
Georgianna Schackel Engstrom, Sleepy
Eye
Virginia Mae Grandy, Duluth
Douglas Harding Grinder, A.A., New
Brighton
Chadwick John Haberstroh, Living-
ston, Mont., MAGNA CUM LAUDE
Tally Herbert Jarrett, Jr., Louisville,
Ky.

Donald Abbott Miller, St. Paul
Gordon Walter Reichow, A.A., St.
Paul
Arnold Wallace Ribnick, Minneapolis
Richard Upshaw Scott, A.A., Minne-
apolis
Richard Eugene Swanson, A.A., Min-
neapolis, MAGNA CUM LAUDE

Bachelor of Science

James Ferdinand Nyquist, Willmar,
SUMMA CUM LAUDE
Henry Andrew Roche, Hibbing

Stewart Walter Sisson, Montevideo
Hugh Winter, Minneapolis

GRADUATE SCHOOL

Master of Arts

Frederick Paul Abel, Red Wing
B.S. '43, Winona State Teachers College. Field
of Concentration: Educational Administration.

Isolina Del Carmen Alicea-Quiles,
Puerto Rico
B.A. '46, Polytechnic Institute of Puerto Rico.
Field of Concentration: Spanish.

Burton Laurence Anderson, New-
folden
B.S. '48, Southern Methodist University. Field
of Concentration: Geography.

Raymond Gerhard Arveson, Leeds,
N.D.
B.A. '42, Mayville State Teachers College.
Field of Concentration: Educational Adminis-
tration.

Beatrice Clare Austin, Minneapolis
B.S. '26, University of Minnesota. Field of
Concentration: Curriculum and Instruction.

Howard Clarence Berge, Minneapolis
B.A. '47, University of Minnesota. Field of
Concentration: Political Science.

Barbara Sue Bradley, Cleveland, Ohio
B.A. '47, Oberlin College. Field of Concen-
tration: Psychology.

Barbara Harris Burkholder, River Falls,
Wis.
B.S. '45, River Falls State Teachers College.
Field of Concentration: American Studies.

George Edward Robert Campaigne,
Duluth
B.S. '40, University of Minnesota. Field of
Concentration: Industrial Education.

Leonard Anthony Caners, Winnipeg,
Canada
B.A. '28, M.A. '34, University of Manitoba.
Field of Concentration: Educational Psychol-
ogy.

James Richard Carlson, Staples
B.A. cum laude '40, Hamline University. Ma-
jor: Speech. Minor: English. Thesis: A Study
of Attitudes toward War Expressed in the
American Theatre between Two World Wars.

Daniel Thuring Carroll, Burlington,
Vt.
B.A. '47, Dartmouth College. Field of Concen-
tration: Political Science.

Patricia Carver, Stevens Point, Wis.
B.S. '43, Central State Teachers College. Field
of Concentration: History.

Kermit Grover Clemans, Adrian, N.D.
B.S. '43, Jamestown College. Major: Mathe-
matics. Minor: Physics. Thesis: Parabolic In-
version.

Sherman Morton Cole, St. Paul
B.S. '46, University of Minnesota. Field of
Concentration: Industrial Education.

Raymond Louis Cordes, Henning
B.A. '34, Concordia College. Field of Con-
centration: Educational Administration.

Iva Grace Cronk, Duluth
B.A. '43, Carleton College. Major: English.
Minor: History. Thesis: Rupert Brooke and the
Georgian Poets: A Survey and Critical Esti-
mate.

Mary Davis Donsker, Minneapolis
B.A. '44, Wheaton College. Major: Economics.
Minor: History. Thesis: Railroad Unification
in the Eastern Region since 1920.

Darrell Irving Drucker, Jr., Dayton,
Ohio
B.S. '47, Antioch College. Field of Concen-
tration: American Studies.

Jean Irene Duncan, St. Paul
B.S. '47, University of Minnesota. Field of
Concentration: Child Welfare.

Dalphy Irving Fagerstrom, Duluth
B.A. '46, University of Minnesota. Field of
Concentration: History.

Zetta Fisher Federbush, St. Paul
B.S. '47, University of Chicago. Field of Con-
centration: Child Welfare.

Dana Emerson Fine, Ironwood, Mich.
B.A. '27, Southwestern College. Field of Con-
centration: Educational Administration.

Dewey George Force, Jr., St. Paul
B.A. '47, Hamline University. Field of Con-
centration: Educational Administration.

Harold Everett Forrest, Athol, Mass.
B.A. '41, Massachusetts State College. Field of
Concentration: English.

Raymond John Freund, Minneapolis
B.E. '38, St. Cloud State Teachers College.
Field of Concentration: Industrial Education.

Eleanor Katherine Gernand, Fort
Wayne, Ind.
B.S. '43, University of Cincinnati. Field of
Concentration: Curriculum and Instruction.

Edna Lucia Glenn, Minneapolis
B.S. '35, University of Minnesota. Field of
Concentration: Curriculum and Instruction.

Geraldine Reque Graves, Minneapolis
B.S. '40, University of Minnesota. Field of
Concentration: Speech.

Hallace N. Gullickson, Minneapolis
B.A. '46, Concordia College. Field of Concen-
tration: Educational Administration.

Sam Ralph Hamilton, St. Paul
B.E.E. '28, B.S. '36, University of Minnesota.
Field of Concentration: Industrial Education.

Alvin Edward Hans, Wahpeton, N.D.
B.A. '29, Concordia College. Field of Concen-
tration: Educational Administration.

Priscilla Hawn, Minneapolis
B.S. with distinction '42, University of Min-
nesota. Field of Concentration: Curriculum
and Instruction.

Perry Arthur Hoblit, Stillwater
B.E. '38, Winona State Teachers College. Field
of Concentration: Industrial Education.

Gordon Emil Holmgren, Grantsburg,
Wis.
B.S. '44, River Falls State Teachers College.
Field of Concentration: Curriculum and In-
struction.

Richard Sutton Hosman, Omaha, Neb.
B.A. '41, State University of Iowa. Field of
Concentration: Educational Psychology.

Bernice Cecile Hudson, Dougherty, Ia.
B.A. '39, Iowa State Teachers College; B.S.
with distinction, '47, University of Minnesota.
Field of Concentration: Educational Psychol-
ogy.

Constance Adele Hugill, Oak Park, Ill.
B.A. '45, Cornell College. Field of Concen-
tration: American Studies.

Julius Ishida, Chicago, Ill.
B.A. '46, College of Wooster. Field of Con-
centration: Economics.

George Harry Jaeger, Minneapolis
B.S. '39, University of Minnesota. Field of Concentration: Industrial Education.

James Jerome Jenkins, Minneapolis
B.S. '44, University of Chicago; B.A. '47, William Jewell College. Field of Concentration: Psychology.

Donald Bruce Johnson, Cloquet
B.A. '43, University of Minnesota. Major: Political Science. Minor: Educational Administration. Thesis: A Study of Party Division among the Voters of Duluth, Minnesota, in General Congressional Elections, 1920-1945.

Kenneth Owen Johnson, St. Paul
B.A. '46, Macalester College. Major: Speech. Minor: English. Thesis: A Study of the Effect of an Experimental Course on Listening Comprehension.

Verner Bernhard Johnson, Duluth
B.E. '42, Duluth State Teachers College. Field of Concentration: Industrial Education.

Christopher James Karas, Farmingham, Mass.
B.S. *cum laude* '39, Boston University. Field of Concentration: Economics.

Paul Edwin Karvonen, St. Peter
B.A. '45, University of Minnesota. Major: Music. Minor: Philosophy. Thesis: Quartet for Violin, Viola, 'Cello, and Piano.

Herbert Alexander Kelly, Sioux Falls, S.D.
B.A. '33, University of Wisconsin. Field of Concentration: Educational Administration.

Edward Nicholas Kerola, Tower
B.A. '34, Ohio State University. Field of Concentration: Educational Administration.

James Richard Klonoski, Virginia
B.S. with distinction '47, University of Minnesota. Field of Concentration: History.

Adolph Koss, Detroit, Mich.
B.A. '47, Wayne University. Field of Concentration: Psychology.

Robert Marvin Kozelka, Minneapolis
B.A. *magna cum laude* '47, University of Minnesota. Major: Mathematics. Minor: Statistics. Thesis: Bernoulli Numbers and Bernoulli Polynomials.

Elaine Lang, Brooklyn, N.Y.
B.S. '46, Cornell University. Major: Botany. Minor: Plant Genetics. Thesis: Comparative Pollen Morphology in the Genus *Calochortus* Pursh.

Jack William Le For, Fairmont
B.A. '25, Valley City State Teachers College. Field of Concentration: Educational Administration.

Charles Edward Lockett, Grenada, Miss.
B.A. '29, Millsaps College. Field of Concentration: Curriculum and Instruction.

Harry Stratton Martin, Northfield
B.A. '37, Carleton College. Major: French. Minor: English. Thesis: A Posthumous Work of Fontenelle.

Betty Jane McLaughlin, Eldred, Pa.
B.S. '42, Clarion State Teachers College. Field of Concentration: History.

Milo Major Mielke, Robbinsdale
B.A. '26, St. Olaf College. Field of Concentration: Educational Administration.

Elizabeth Carol Millam, Winona
B.E. with honor '29, Winona State Teachers College. Field of Concentration: Curriculum and Instruction.

Wayne Bailey Millard, Minneapolis
B.S. '35, Buena Vista College. Field of Concentration: Educational Administration.

Paul Eugene Million, Jr., Minneapolis
B.A. '43, Wabash College. Field of Concentration: History.

Gordon Edward Miniclier, St. Paul
B.S. '37, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Donald Alexander Mitton, Moncton, New Brunswick, Can.
B.A. '44, Acadia University. Field of Concentration: History.

Edward Martin Murphy, Red Wing
B.S. '38, River Falls State Teachers College. Field of Concentration: Curriculum and Instruction.

Sylvia Hermina Nelson, Horton, Kan.
B.A. '34, Augsburg College. Field of Concentration: Curriculum and Instruction.

John Harold Nipp, Wabasha
B.S. '42, Winona State Teachers College. Field of Concentration: Educational Administration.

John Christian Norby, Seattle, Wash.
B.A. '36, Eastern Washington College of Education; B.S. '39, University of Washington. Field of Concentration: Economics.

Gordon Douglas Nymann, Stillwater
B.S. '46, Superior State Teachers College.
Field of Concentration: Educational Administration.

John Joseph O'Hara, Minneapolis
B.S. '47, Illinois State Normal University.
Field of Concentration: Economics.

Julius William Opheim, Rochester
B.A. '25, Luther College. Field of Concentration: Education.

Lorimer Robinson Palmer, Minneapolis
B.S. '47, University of Minnesota. Field of Concentration: Educational Administration.

Howard Emerson Parr, Manchester, Mich.
B.A. '41, University of Michigan. Field of Concentration: Educational Administration.

Glenn Neil Patton, Minneapolis
B.A. with highest honors '46, State College of Washington. Field of Concentration: History.

Lawrence Louis Petersen, South Bend, Ind.
B.B.A. '46, University of Minnesota. Field of Concentration: Political Science.

Paul Jules Piccard, Minneapolis
B.A. '47, University of Minnesota. Field of Concentration: Political Science.

Florence Imogene Pizinger, St. Paul
B.A. '47, University of Minnesota. Field of Concentration: Psychology.

Inga Rockswold Platou, Minneapolis
B.A. '44, North Dakota State Teachers College.
Field of Concentration: Fine Arts.

William Kinder Potter, St. Cloud
B.S. '43, St. Cloud State Teachers College.
Field of Concentration: Educational Psychology.

Donald Irven Pryor, Stillwater
B.S. '42, St. Cloud State Teachers College.
Field of Concentration: Educational Administration.

Clarus Warren Rice, Bemidji
B.A. '47, University of Minnesota. Field of Concentration: Political Science.

Sadie Margaret Rosenau, St. Paul
B.E. '38, Mankato State Teachers College.
Field of Concentration: Curriculum and Instruction.

Kathryn Anne Roth, Minneapolis
B.A. '47, University of Minnesota. Major: English. Minor: Philosophy. Thesis: Morris and Shaw: Social Critics.

Carl Thomas Rowan, McMinnville, Tenn.
B.A. '47, Oberlin College. Field of Concentration: Journalism.

David Francis Sadler, Anderson, S.C.
B.A. '47, Antioch College. Field of Concentration: American Studies.

Elizabeth Schade, Sisseton, S.D.
B.A. cum laude '21, Macalester College. Field of Concentration: English.

Robert Holmes Sexton, St. Paul
B.Aero.E. '47, University of Minnesota. Field of Concentration: Economics.

Arthur Rudolph Simonson, Buhl
B.S. '46, University of Minnesota.
Field of Concentration: Educational Administration.

Sister Marie Ephrem Sauve, Crookston
B.A. '47, College of St. Catherine. Major: Educational Administration. Minor: Curriculum and Instruction. Thesis: The Theory and Practice of Elementary School Administration as Presented in Catholic Educational Periodicals.

Paul James Smith, Oshkosh, Wis.
B.E. '37, Eau Claire State Teachers College.
Field of Concentration: Educational Administration.

Louise Sprague Spangler, Mankato
B.S. with honors '43, Mankato State Teachers College. Field of Concentration: Curriculum and Instruction.

Mary Lyon Sutton, Huntington, W.Va.
B.A. '47, Randolph-Macon Woman's College.
Field of Concentration: Psychology.

Gladys Annand Swanson, Duluth
B.A. cum laude '20, Hamline University. Field of Concentration: Educational Psychology.

Wallace Bruce Taylor II, Minneapolis
B.Phys. with distinction '44, University of Minnesota. Major: Philosophy. Minor: Physics. Thesis: A Problem Concerning Time: A Semantic Analysis of Temporal Distinctions in Contemporary English Language Usage.

Mary Katharine Thomas, Minneapolis
B.A. *cum laude* '30, Macalester College. Field of Concentration: Political Science.

Arthur Claire Tillson, Newton, Ia.
B.S. '40, State University of Iowa. Field of Concentration: Economics.

Bernice Louise Voigt, Minneapolis
B.E. '39, Moorhead State Teachers College. Field of Concentration: Education.

Eugene Thelford Wallestad, Minneapolis
B.A. '40, Minot State Teachers College. Field of Concentration: Educational Administration.

Halvor Stan Widsten, Wayzata
B.E. '34, Bemidji State Teachers College. Field of Concentration: Educational Administration.

Curtis Lee Wilburn, Waco, Tex.
B.A. '42, Paul Quinn College. Field of Concentration: History.

Arnold Sylvester Woestehoff, Minneapolis
B.E. '38, St. Cloud State Teachers College. Field of Concentration: Educational Administration.

Master of Business Administration

Wallace Oscar Dahl, Hinckley
B.B.A. '47, University of Minnesota. Field of Concentration: Economics.

Charles Ellicott Johnson, Minneapolis
B.B.A. with distinction '42, University of Minnesota. Field of Concentration: Business Administration.

George Lyman Wiberg, Trail
B.S. '44, University of Chicago. Field of Concentration: Business Administration.

Master of Science

Robert Abbey, Minneapolis
B.E.E. '47, B.Phys. '47, University of Minnesota. Field of Concentration: Physics.

Elvin Lowell Anderson, Portland, Ore.
B.S. '43, University of Portland. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: The Protection of Hydroxyl Groups.

Quentin Royal Bohne, Willmar
B.C.E. with high distinction '44, University of Minnesota. Field of Concentration: Mathematics.

Ernest Emil Bruffey, Big Timber, Mont.
B.S. '43, Montana State College. Field of Concentration: Physics.

William Allen Cowan, Amherst, Mass.
B.S. '42, Massachusetts State College. Major: Animal Husbandry. Minor: Agricultural Economics. Thesis: A Study of Induced Ovulation in the Ewe by the Use of Pregnant Mare Serum.

Edmund Harry Farstad, Harvey, N.D.
B.S. '47, Bradley University. Field of Concentration: Agricultural Economics.

Myer Max Geller, Winnipeg, Can.
B.S. '46, University of Manitoba. Field of Concentration: Physics.

Richard Raymond Haefner, La Crosse, Wis.
B.A. '47, University of Minnesota. Field of Concentration: Physics.

Nathan Strong Hale, Amherst, Mass.
B.S. '46, University of Connecticut. Major: Animal Husbandry. Minor: Agricultural Economics. Thesis: A Comparison of Ewes Shorn Before Lambing and Those Shorn at the Conventional Time of Year.

Roberta Mae Hanson, Bloomfield, N.J.
B.A. '46, Vassar College. Major: Organic Chemistry. Minor: Analytical Chemistry. Thesis: An Investigation of the Preparation and Reactions of Certain Derivatives of Bicyclo (2, 2, 1)-2-Heptene.

Jeanne Marie Hellberg, Minneapolis
B.S. with high distinction '46, University of Minnesota. Major: Zoology. Minor: Entomology. Thesis: A Study of the Vertical Distribution of the Plankton in Lake Itasca, Minnesota, during August, 1947.

Frederick Karl Kristjansson, Winnipeg, Can.
B.S. '47, University of Manitoba. Field of Concentration: Animal Husbandry.

Lois Marie Kuhlen, Hackensack, N.J.
B.A. '46, Vassar College. Major: Pharmaceutical Chemistry. Minor: Organic Chemistry. Thesis: A Synthesis of Some Pyrimidines.

Ann Ling, Hangchow, China
B.S. '41, Soochow University. Field of Concentration: Organic Chemistry.

Grady Earl Mann, Clarksburg, W.Va.
B.S. '41, West Virginia University. Field of Concentration: Entomology.

Henry Hollinshead Morgan, St. Paul
B.A. '41, Harvard College. Field of Concentration: Psychology.

Margaret Frederickson Proshok, St. Paul
B.S. '26, University of Minnesota. Major: Home Economics Education. Minor: Home Economics. Thesis: The Development of Methods of Testing the Proficiency of Household Employees.

John Adams Schricker, Washington, D.C.
B.S. '30, George Washington University. Major: Agricultural Biochemistry. Minor: Plant Physiology. Thesis: The Respiration and Storage Behavior of Flaxseed.

Ralph Clinton Wands, St. Paul
B.S. '41, Kent State University. Major: Agricultural Biochemistry. Minor: Bacteriology. Thesis: Water Sorption by Starch and Related Substances.

Francis Shirley Warren, Ottawa, Can.
B.S. '46, Ontario Agricultural College. Major: Plant Genetics. Minor: Plant Pathology. Thesis: Factors Influencing the Popping Ability of Pop Corn.

Alexander Zuckerbraun, Minneapolis
B.S. '43, University of Michigan. Major: Organic Chemistry. Minor: Pharmaceutical Chemistry. Thesis: Intramolecular Acetal Rearrangements.

Master of Science in Aeronautical Engineering

Enoch Gordon Haugseth, Twin Valley
Aero.E. '47, University of Cincinnati. Field of Concentration: Aeronautical Engineering.

Donald John Hoffstedt, Milford, Pa.
B.Aero.E. '46, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Shih-Chun Lo, Hankow, China
B.S. '45, National Central University. Field of Concentration: Aeronautical Engineering.

Richard Thoeny Richtman, Fountain City, Wis.
B.Aero.E. '45, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Clarence Alfred Syvertson, Minneapolis
B.Aero.E. with distinction '46, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Chemical Engineering

Sheng-En Hu, Sinti Hupeh, China
B.S. '39, National Tsing Hua University. Major: Chemical Engineering. Minor: Organic Chemistry. Thesis: Codeposition Behavior of Copper and Zinc from Fluoborate Solutions.

George La Verne Miller, Albert Lee
B.Ch.E. with distinction '44, University of Minnesota. Major: Chemical Engineering. Minor: Business Administration. Thesis: Reconciliation of Sulphuric Acid to Oleum by the Decomposition of the Pyrosulfates.

Master of Science in Civil Engineering

Merlin Hanson Berg, Minneapolis
B.C.E. '34, University of Minnesota. Major:
Civil Engineering (Hydraulics). Minor: Civil
Engineering (Structures). Thesis: Supercritical
Flow in Straight-wall Diverging Channels on
Normal Slopes.

John William Dolphin, Winnipeg,
Can.
B.A.Sc. '37, University of British Columbia.
Field of Concentration: Civil Engineering.

Master of Science in Mechanical Engineering

Oscar Gustave Frykman, Bottineau,
N.D.
B.M.E. '47, University of Minnesota. Field of
Concentration: Mechanical Engineering.

John Rodney Jamieson, Jr., Poynette,
Wis.
B.S. '47, University of Wisconsin. Field of
Concentration: Mechanical Engineering.

Hideyoshi Nakamura, Whittier, Cal.
B.M.E. with distinction '47, University of
Minnesota. Major: Mechanical Engineering.
Minor: Electrical Engineering. Thesis: Experi-
mental Analysis of a Gas Turbine "Boot
Strap."

Chang-Kaing Tsai, Taithing, China
B.S. '41, National Central University. Field of
Concentration: Mechanical Engineering.

Master of Science in Dental Surgery

William Welty Conklin, Sterling,
Colo.

D.D.S. '41, Northwestern University Dental
School. Major: Dental Surgery. Minor: Sur-
gical Pathology. Thesis: A Study of Odonto-
genic Epithelium in the Dental Follicle.

Master of Science in Dentistry

Irvin John Brussel, St. Paul
D.D.S. '28, University of Minnesota; B.S. '37,
College of St. Thomas. Major: Dentistry. Mi-
nor: Anatomy. Thesis: Temporomandibular
Joint Disabilities in Relation to Dental Diag-
nosis and Treatment.

Master of Science in Dermatology and Syphilology

Harold George Ravits, St. Paul
B.S. '39, M.D. '42, University of Minnesota.
Major: Dermatology and Syphilology. Minor:
Pathology. Thesis: Cutaneous Cryptococcosis:
A Survey of Cryptococcus on Normal and
Pathologic Skin.

Master of Science in Medicine

Norman Anton Christensen, Brigham City, Utah

B.S. '39, University of Utah; M.D. '41, Rush Medical College. Major: Medicine. Minor: Pathologic Anatomy. Thesis: A Pathological and Clinical Review of Coarctation of the Thoracic Aorta (Coarctation Vera).

Francis William Conley, Marshalltown, Ia.

B.A. '40, M.D. '43, University of Iowa. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Arteriolar Changes in Group I Hypertension.

William Max Faber, Watertown, Wis. B.A. '33, M.A. '34, M.D. '38, University of Wisconsin. Major: Medicine. Minor: Pathologic Anatomy. Thesis: The Kidneys in Leukemia.

Walter Freemon Larrabee, Jr., Chippewa Falls, Wis.

B.S. '39, M.D. '40, University of Minnesota. Major: Medicine. Minor: Pathologic Anatomy. Thesis: A Study of the Pulmonary Arterioles in Mitral Stenosis.

Master of Science in Neurology and Psychiatry

Waldemar Curtis Rasmussen, Minneapolis

B.S. '35, M.D. '36, University of Minnesota. Major: Neurology and Psychiatry. Minor: Neuropathology. Thesis: A Method of Estimating the Weight of the Right Ventricle of the Heart after Autopsy.

Master of Science in Orthopedic Surgery

Gerald Steber Ahern, Austin

M.D. '40, University of Minnesota. Major: Orthopedic Surgery. Minor: Pathology. Thesis: The Anomalies of the Lumbosacral Spine and Their Relationship to Backache.

Arnulf Remingius Walther Pils, Groningen, Holland

M.D. '36, Ryks-Universiteit. Major: Orthopedic Surgery. Minor: Surgical Pathology. Thesis: Neurotrophic Joints: A Clinical and Pathological Study.

Master of Science in Otolaryngology and Rhinology

Henry Allen Brown, Racine, Ohio

M.D. '34, Medical College of Virginia. Major: Otolaryngology and Rhinology. Minor: Surgical Pathology. Thesis: Toxic Reaction of Streptomycin on the Vestibular and Cochlear Apparatus.

Arthur Aaron Spar, Omaha, Neb.

B.A. '38, M.D. '42, University of Nebraska. Major: Otolaryngology and Rhinology. Minor: Pathology. Thesis: Malignant Lesions Involving the Middle Ear and Mastoid Process: A Study of Eighty Cases.

Master of Science in Surgery

Manuel Gumersindo Carmona, Puerto Rico

B.S. '37, University of Puerto Rico; M.D. '41, Jefferson Medical College. Major: Surgery. Minor: Surgical Pathology. Thesis: Relationship of the Degree of Gastritis to the Number of Secretory Cells Present in the Mucosa of Resected Stomachs

Daniel Francis Crowley, Jr., Des Moines, Ia.

B.S. '34, M.D. '38, State University of Iowa. Major: Surgery. Minor: Surgical Pathology. Thesis: Squamatization of Bronchi.

Eugene Andrew Ellingson, San Antonio, Tex.

B.A. '36, M.D. '40, University of Texas. Major: Surgery. Minor: Surgical Pathology. Thesis: Retrograde Recurrences of Carcinoma of the Rectosigmoid and Rectum: A Clinico-Pathological Study.

George Thorwald Rudolph Fahlund, Grand Rapids, Mich.

B.S. '36, University of Chicago; M.D. '38, Rush Medical College. Major: Surgery. Minor: Surgical Pathology. Thesis: A Study of Postmenopausal Endometrium and Its Relation to Fundic Adenocarcinoma.

Allan Louis Haynes, Louisville, Ky.

M.D. '38, University of Louisville. Major: Surgery. Minor: Surgical Pathology. Thesis: Prognosis in Mucous Adenocarcinoma of the Colon and Rectum.

Hiram David Hilton, Lincoln, Neb.

B.A. cum laude '35, Amherst College; M.D. '39, Rush Medical College. Major: Surgery. Minor: Surgical Pathology. Thesis: Volvulus of the Sigmoid Colon.

Richard E. McDowell, Bradford, Pa.

M.D. '43, University of Buffalo. Major: Surgery. Minor: Surgical Pathology. Thesis: Pathologic Changes in the Wall of the Cecum Associated with Obstructing Lesions of the Right Colon and Their Relation to Cecal Perforation.

John Victor Triolo, Summit, N.J.

M.D. '41, Long Island Medical College. Major: Surgery. Minor: Surgical Pathology. Thesis: Non-specific Granulomata of the Thyroid Gland.

Master of Science in Urology

Robert Synder Hamm, Columbus, Ohio

B.A. '40, M.D. '40, Ohio State University. Major: Urology. Minor: Surgical Pathology. Thesis: Correlation of Acid Phosphatase Levels in Blood with the Histopathology of Carcinoma of the Prostate.

COLLEGE OF MEDICAL SCIENCES

Doctor of Medicine*

Edward Gregory Bauer, B.S., M.B., St. Paul

Raymond Adolphe Boyce, B.A., M.B., Cokato

William John Buggy, B.S., M.B., Blue Earth

John Wood Bussman, Sc.B., M.B., St. Peter

Jay Manuel Chauss, B.S., M.B., Philadelphia, Pa.

Norman Edward Fidelman, B.S., M.B., Minneapolis

William Bernard Gallagher, B.S., M.B., Waseca

Thomas Bernard Gibbons, B.S., M.B., Spokane, Wash.

Reuben Gull, B.S., M.B., Erskine

LeRoy William Hanson, B.S., M.B., Hallock

Paul John Hauser, B.S., M.B., Luverne

Darwin Kennard Holian, B.A. cum LAUDE, M.B., Hendricks

Wayne Loren Hoseth, M.B., St. Paul

Richard Frank Kline, B.S., M.B., Grand Rapids

Wilfred Milton Lundblad, B.S., M.B., Minneapolis

Joseph Daniel Mann, B.S., Rochester

William Calkins Nelson, Amery, Wis.

Paul Charles Olfelt, B.S., M.B., Minneapolis

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

Vincent James Paciotti, B.S., M.B.,
Virginia
Clifton Robert Peterson, M.B., Min-
neapolis
Albino Luciano Settini, B.S., M.B.,
Whittier, Cal.
Robert Leon Sturges, B.S., M.B.,
Minneapolis
Ernest Chun-seck Tam, B.S., M.B.,
Honolulu, Hawaii
Mary Hilbert Teberg, B.S., M.B.,
Minneapolis
Charles Eugene Tesar, B.S., M.B.,
Two Harbors

Richard Boland Tregilgas, B.S., M.B.,
South St. Paul
Charles Gordon Vaughn, B.S., M.B.,
St. Paul
John Arthur Watkins, B.S., M.B.,
Carlton
Matthew Just Weir, B.S., M.B., Man-
kato
Robert A. Weyhrauch, B.A., M.B.,
Wadena
Theodore Warren Wilson, B.A., M.B.,
Marshall

GRADUATE SCHOOL

Doctor of Philosophy

Mohamed Abdel-Ghani Ayad, Benha,
Egypt

B.Sc. '40, Fouad I University. Major: Plant
Genetics. Minor: Plant Pathology. Thesis: Cor-
related Inheritance of Reaction to Stem Rust
and Other Characters in Crosses between
Egyptian Varieties of Wheat. Major Advisers:
Profs. H. K. Hayes and E. C. Stakman.

Robert Jacob Bouthilet, Minneapolis
B.A. '45, M.S. '46, University of Minnesota.
Major: Bacteriology. Minor: Agricultural Bio-
chemistry. Thesis: A Taxonomic Investigation
of Yeasts from Minnesota Soils. Major Ad-
viser: Prof. C. E. Skinner.

Frank Alden Bovey, Minneapolis
B.S. '40, Harvard College. Major: Physical
Chemistry. Minor: Organic Chemistry. Thesis:
The Mechanism of the Emulsion Polymeriza-
tion of Styrene. Major Adviser: Prof. I. M.
Kolthoff.

Frank Edward DiGangi, Paterson, N.J.
B.S. '40, Rutgers University; M.S. '42, West-
ern Reserve University. Major: Pharmaceutical
Chemistry. Minors: Physiological Chemistry
and Organic Chemistry. Thesis: The Synthesis
of Some Esters of p-Carboxybenzamidine.
Major Adviser: Prof. Ole Gisvold.

Vaughn Arthur Engelhardt, Chicago,
Ill.

B.A. with distinction '40, Northwestern Uni-
versity; M.S. '44, University of Minnesota.
Major: Organic Chemistry. Minors: Physical
Chemistry and Pharmaceutical Chemistry. The-
sis: Studies in the Cyclopropane Series I:
Nitrocyclopropyl Ketones and Alcohols. Major
Adviser: Prof. L. I. Smith.

Ross Edwin Graves, Bay City, Mich.
B.S. '45, Massachusetts Institute of Technol-
ogy. Major: Mathematics. Minor: Philosophy.
Thesis: Integral Representations of Linear and
Weak Linear Functionals Defined over the
Wiener Space C. Major Adviser: Prof. R. H.
Cameron.

Herbert Hadley Hartshorn, St. Joseph,
Mo.

B.S. '30, Lincoln University; M.A. '40, Uni-
versity of Minnesota. Major: Educational Psy-
chology. Minor: Education. Thesis: Vocational
Interest Patterns of Negro Professional Men.
Major Adviser: Prof. W. W. Cook.

Melbourne Leslie Jackson, Dillon,
Mont.

B.S.Ch.E. with honors '41, Montana State
College. Major: Chemical Engineering. Minor:
Physical Chemistry. Thesis: Studies in Distil-
lation: A Correlation of (HTU) Values with
Physical Properties and Operating Variables.
Major Adviser: Prof. N. H. Ceaglske.

Robert Balthasar Kamm, West Union,
Ia.

B.A. '40, Iowa State Teachers College; M.A. '46, University of Minnesota. Major: Educational Psychology. Minor: Education. Thesis: An Analysis of the Counseling Interview in Terms of Client Acceptance of Information Presented: An Investigation of Certain Factors Related to Acceptance of Information Presented during Educational-Vocational Planning Interviews with Lower Ability Students. Major Adviser: Prof. C. G. Wrenn.

George Matsuyama, Fresno, Calif.

B.S. '40, University of California. Major: Physical Chemistry. Minor: Analytical Chemistry. Thesis: A Polarographic Study of Diffusion Coefficients in Water-Ethanol Mixtures. Major Adviser: Prof. F. H. MacDougall.

Avrom Izak Medalia, Boston, Mass.

B.A. *cum laude* '42, Harvard College. Major: Analytical Chemistry. Minor: Physical Chemistry. Thesis: Reactions Induced by the Peroxide-ferrous Iron Reaction. Major Adviser: Prof. I. M. Kolthoff.

Byron Freeze Murphey, Minneapolis

B.A. with honors '39, Montana State University; M.A. '41, University of Minnesota. Major: Physics. Minor: Mathematics. Thesis: The Thermal Diffusion of Hydrogen, Deuterium and Helium. Major Adviser: Prof. A. O. C. Nier.

Charles Elkins Rogers, Washington,
D.C.

B.A. '14, University of Oklahoma; M.S. '26, Kansas State Agricultural College; M.A. '32, Stanford University. Major: Political Science. Minor: Journalism. Thesis: William Rockhill Nelson: Independent Editor and Crusading Liberal. Major Advisers: Profs. William Anderson and Ralph Casey.

Elwood Williams Stringam, Leth-
bridge, Can.

B.Sc. '40, M.Sc. '42, University of Alberta. Major: Animal Husbandry. Minor: Agricultural Economics. Thesis: An Analysis of the Breeding Methods Employed in the Development of the Poland China Herd of Swine at the Minnesota West Central Experiment Station. Major Advisers: Profs. L. M. Winters and W. H. Peters.

Henry Gilbert White, St. Paul

Ph.B. '31, Yale College; LL.B. '40, St. Paul College of Law; M.A. '46, Columbia University. Major: Political Science. Minor: Forestry. Thesis: Forest Regulation—A Study of Public Control of Cutting Practices on Private Forest Land in the United States. Major Adviser: Prof. L. M. Short.

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, and Home Economics, 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 Accountancy 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 degrees, 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
School of Nursing	green
College of Science, Literature, and the Arts	white
Institute of Technology	orange
College of Agriculture, Forestry, and Home Economics	maize
Naval Science and Tactics	blue and gold
Law School	purple
College of Medical Sciences	green
College of Pharmacy	olive
College of Education	light blue
School of Business Administration	drab
University College	old gold and white



UNIVERSITY OF MINNESOTA

December Commencement

1948

NORTHROP MEMORIAL AUDITORIUM

THURSDAY EVENING, DECEMBER 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 President pro tem

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 F. J. Rogstad, Detroit Lakes

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 88,401 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-seven 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 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.

The graduates at this December commencement, 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 approach Northrop Auditorium on the Minneapolis Campus, they will hear the chimes, a recent gift from a friend and neighbor, Mr. H. R. Brown of southeast Minneapolis. The carillonneur this evening is Mr. Edward Berryman, B.A., Instructor in Music. Guests will be seated as they arrive at 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 and University Organist, will play:

Advent Choral - - - - - **NICOLAI**

Two Choral Preludes - - - - - **BACH**

"Wachet auf"
"Nun komm' der heiden Heiland"

Variations on a Noel - - - - - **DUPRE**

Theme	Larghetto	Vif	Vivace
Canon	Animé	Fughetta	Finale

Processional: Finale from "Grand Piéce Symphonique" - - - **FRANCK**

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: Professor Julius M. Nolte, Dean of the University Extension Division, Marshal; Dr. R. K. Gaumnitz, Assistant Dean of the School of Business Administration, Marshal; The Reverend John Saunders Bone, Member, Minnesota Councils of Religion and Adviser to Baptist Students, University of Minnesota; Dr. Malcolm M. Willey, Vice President of Academic Administration; Dr. Horace T. Morse, Dean of the General College; Miss Katharine J. Densford, Director of the School of Nursing; Dr. J. W. Buchta, Assistant Dean of the College of Science, Literature, and the Arts; Mr. T. A. H. Teeter, Dean of the Summer Session; Dr. Henry Schmitz, Dean of the College of Agriculture, Forestry, and Home Economics; Mr. Maynard E. Pirsig, Dean of the Law School; Dr. Harold S. Diehl, Dean of the College of Medical Sciences; Dr. J. L. Morrill, President of the University; Dr. Raymond B. Allen, President of the University of Washington; The Honorable Fred B. Snyder, First Vice President, the Board of Regents; Dr. Earl B. Fischer, Head of the Department of Pharmacognosy; Dr. Wesley E. Peik, Dean of the College of Education; Dr. Richard L. Kozelka, Dean of the School of Business Administration; Professor John G. Darley, Assistant Dean of the Graduate School; Colonel Richard A. Ericson, U.S.A.; Captain Walter C. Holt, U.S.N.; Mr. True E. Pettengill, Recorder; Mr. Roger Bailey, Senior Music Student; and Mr. Keith McFarland, Assistant Dean of the College of Agriculture, Forestry, and Home Economics, 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.

Order of Events

THE NATIONAL ANTHEM (first stanza only): The entire audience and Mr. Roger Bailey, Senior Music Student, soloist.

INVOCATION: The Reverend John Saunders Bone, B.D., Member, Minnesota Councils of Religion and Adviser to Baptist Students, University of Minnesota.

COMMENCEMENT ADDRESS: "Assumptions, Attitudes, and Apathy," President Raymond B. Allen, M.D., Ph.D., President of the University of Washington, Seattle, Washington.

CONFERRING OF DEGREES: Degrees will be conferred by President James Lewis Morrill, LL.D. Candidates will be presented by Dean Horace T. Morse, Ph.D., for the General College; Miss Katharine J. Densford, D.Sc., for the School of Nursing; Dean J. W. Buchta, Ph.D., for the College of Science, Literature, and the Arts; Professor Thomas A. H. Teeter, B.S.(C.E.), for the Institute of Technology; Dean Henry Schmitz, Ph.D., for the College of Agriculture, Forestry, and Home Economics; Dean Maynard E. Pirsig, LL.B., for the Law School; Dean Harold S. Diehl, M.D., for the College of Medical Sciences; Professor Earl B. Fischer, Ph.D., for the College of Pharmacy; Dean Wesley E. Peik, Ph.D., for the College of Education, and for the College of Education and the College of Agriculture, Forestry, and Home Economics; Dean Richard L. Kozelka, Ph.D., for the School of Business Administration; Dean J. W. Buchta, Ph.D., for the University College; and Assistant Dean John G. Darley, Ph.D., for the Graduate School.

CONFERRING OF COMMISSIONS: Commissions in the United States Army will be conferred by Colonel Richard A. Ericson, U.S.A.; commissions in the United States Navy will be conferred by Captain Walter C. Holt, U.S.N.

"HAIL MINNESOTA," the University's alma mater song: The audience and Mr. Roger Bailey, 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. Arthur B. Jennings.

Toccata in B minor - - - - - CIGOUT

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

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

Sterling John Anderson, Minneapolis
Raymond Frank Andresen, St. Paul
Phillip Randolph Archer, Bristol, Okla.
Richard Hunter Bancroft, Jr., St. Paul
Richard Harvey Bjerknes, Minneapolis
Bernice Mae Bjorklund, Minneapolis
Marvin Dwain Blumberg, Minneapolis
Robert Niel Bolmgren, St. Louis Park
Stuart Alfred Botten, St. Paul
Ulysess Boyd, Minneapolis
Douglas Allen Burnes, Minneapolis
Rowland Joseph Burnquist, Minneapolis
John William Campbell, Cloquet
Earl Ernest Carlson, Minneapolis
Robert Vernon Carlson, Minneapolis
Richard Francis Cates, St. Paul
Robert Louis Comer, Minneapolis
Gerald Michael Cotten, Minneapolis
Catharine Mae Crowther, St. Paul
Betty C. Dahlin, St. Paul
Eugene Raymond Danmeier, St. Paul
Gladys Ethel Duesterhoft, St. Paul
Earl Fisher, Minneapolis
John Driscoll Gagin, Sterling, Ill.
Robert Peter Gavrilesco, St. Paul
Gerald Lee Goff, St. Paul
Grady Etheredge Graves, Minneapolis
Richard Emil Haack, Brandon
Edouard Michael Hammerel, Jr., St. Paul
William James Hansen, Minneapolis
Martha Joan Haslund, St. Paul
Roger Allen Haugland, Minneapolis
Robert Randall Hestad, Minneapolis
Gordon Neil Hollsten, Minneapolis
Kenneth John Hollstrom, Reads
Clarence Edwin Holmberg, Minneapolis
Gerald Edward Johnson, Robbinsdale
Robert William Johnston, Minneapolis
Richard C. Keller, St. Paul
Frank Martin Klein, St. Paul
Basil Reuel Kvale, Conger
Ward Eugene Kvam, Benson
Babette Eileen Litin, Minneapolis
Arthur B. MacDowell, Minneapolis
Virginia Mihlenbeck, Minneapolis
Leo Joseph Moore, St. Paul
Harry Franklin Nelson, Amboy
Roger Everett Nelson, Minneapolis
Carl Godfred Olson, Wayzata
Howard J. Peabody, St. Paul
Muriel Janice Peterson, Minneapolis
Shirley Ann Peterson, Minneapolis
Robert Eugene Pulkrabek, St. Paul
Donald William Ramsey, Minneapolis
Paul Meredith Rauen, White Bear Lake
Burton Ernest Reinecke, St. Paul
Myron Donovan Robey, St. Paul
Frances Lou Roholt, Minneapolis
Anita Betty Schwartz, Minneapolis
Hillel Segal, Minneapolis
Allene Sher, Duluth
Eugene Carl Sjogren, Minneapolis
John Oscar Skooglund, St. Paul
Leslie Henry Smith, St. Paul
David Jennings Thompson, St. Paul
Maxine Evelyn Tomasek, St. Paul
William Orton Towle, Minneapolis
Francis Xavier Williams, Minneapolis

COLLEGE OF MEDICAL SCIENCES

Graduate in Nursing*

Margaret LeVan Boysen, Boonsboro, Md.
Marian Ruth Brandes, Bismarck, N.D.
Betty Grace Cave, Bismarck, N.D.
Ruth Anne Fliegel, Deforest, Wis.
Nancy Law Fritze, Minneapolis
Marilyn Gladys Grinnell, Preston
Marjorie Marie Janeck, Seattle, Wash.
Phyllis McDougall Lee, Minneapolis
Colette Weyer McCurdy, Minneapolis
Barbara Beatty McKie, Duluth
Jacquelyn Williams Miesbauer, Chisholm
Delta Larson Mooers, Grand Rapids
Katherine Ann Nason, Glenwood

Mary Jane Neal, A.A., Minneapolis
Kristy Louise Olsen, Minneapolis
Marian Edith Otteson, Minneapolis
Ruth Range, Minneapolis
Phyllis Jean Cameron Rustad, Hawley
Betty Crouch Schoenfelder, Bricelyn
Shirley Shure, Minneapolis
Jacquelyn Ellen Snyder, A.A., Atkinson, Neb.
Grace Langston Stuefer, Minneapolis
Margery Kathryn Thompson, A.A., San Mateo, Calif.
Margaret Leimer Thon, Minneapolis
G. Jean-Lois Tweeten, Spring Grove
Ruth Angeline Weltzin, B.A., Minneapolis

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

Associate in Liberal Arts

Robert Berg, Minneapolis
Richard Mervin Flaa, Minneapolis
Ora E. Giles, Eau Claire, Wis.
Joyce Elynor Goldstein, Minneapolis
Barbara Hasberg Green, Minneapolis
Frederick Kennard Hauser, Jr., St. Paul
Norma Vivian Heck, St. Paul
Robert Owen Jeatran, Menomonie, Wis.
Howard Thurston Johnston, St. Paul
Arthur Lawrence Kane, Minneapolis
George W. Kiefer, Lewiston
Edward Milton Klohn, St. Paul
Paul Dennis Kunin, Minneapolis
Marilyn Virginia Lawrence, Minneapolis
Frank Ray Lillibridge, St. Paul
Dudley Howard Miller, International Falls

Elaine Joyce Moses, Minneapolis
Donald Everett Nelson, Minneapolis
Noren Colyer Nelson, Minneapolis
Margaret Therese Noonan, St. Paul
Richard Arthur Norton, Minneapolis
Roy Charles Okan, Minneapolis
Marjorie Beth Paulson, Minneapolis
Constance Marlys Pearson, Minneapolis
Chester Ambrose Romane, South St. Paul
Robert Mark Rose, Minneapolis
June Louise Russell, Minneapolis
Harald Robert Sinykin, St. Paul
Gordon Reinhart Struck, St. Paul
Margie Ann Thompson, Stillwater
Margaret Jane Vanderbie, Minneapolis
Robert Miller Wrahlstad, Fergus Falls

* These degrees are conferred subject to the satisfactory completion of nursing practice prior to March 17, 1949.

Bachelor of Arts

- Georgia Pearl Abrohams, Minneapolis
George Robert Adzick, Minneapolis
Marliss Virginia Albert, St. Paul
Carl Henry Anderson, D.D.S., Minneapolis
Lyle S. Anderson, Mankato
Duane Brien Andrews, Minneapolis
Jeanne Kingsley Archer, Minneapolis
Edward Bouquet Arneson, Montevideo
Robert William Benson, Minneapolis
Perry Leroy Berg, Starbuck
Richard Erving Berg, Minneapolis
Roderick MacKenzie Berggren, Minneapolis
Russell Emil Bieraugel, Mankato
Conrad Alfred Blomberg, Mandan, N.D.
Edward John Bolin, St. James
Georgia Ann Braun, Fairmont
Kenneth Harding Brooks, St. Paul
Joseph Brown, Mantorville
Saul Brown, Williamson, W.Va.
Philip Earl Buell, Minneapolis,
CUM LAUDE
Donald Patrick Burgess, Minneapolis,
MAGNA CUM LAUDE
Donald Joseph Burkhardt, St. Paul
Rita Muriel Burnstein, Minneapolis,
MAGNA CUM LAUDE
Gerald Evar Carlson, St. Paul
Murl Bee Carr, Moorhead
Marion Arlene Chesbrough, Mankato
John A. Colter, St. Paul
George Henry Connell, Rochester, N.Y.
John Patrick Connors, Minneapolis
Glenn William Cording, St. Paul
William Truman Cornish, Minneapolis
John Michael Cruit, A.L.A., Minneapolis
Oliver John Dahl, Minneapolis
Samuel Mairs Dean, Minneapolis
Mahlon Leonard Degernes, Jr., Minneapolis
Adriana Laura DeHaan, Minneapolis
George Dennis Devins, Minneapolis
Alfred Leonard Disrud, Shields, N.D.
Thomas Lockwood Durfee, Minneapolis
Edwin John Eilertsen, Brooklyn, N.Y.
Merle Sherwood Else, Minneapolis
Robert Edward Enlow, St. Paul
Roland Lormer Erickson, Minneapolis
Jonathan Eyler, Ravin, Ill.
Calvin Charles Floren, Kerkhoven
Warren Eugene Fosdick, LaCrosse, Wis.
Lavaughn Edward Franzen, Minneapolis
Arnold August Frisell, Cannon Falls
Ethel Frobom, Henning
Wilma Jean Gabel, Hanover, Ind.
Saul Aaron Glantz, Minneapolis
Martha Mary Goit, Minneapolis
James Hanmer Gray, Fergus Falls
Frederick Jerome Greiner, Minneapolis
Jerome David Gunderson, Minneapolis
O. Milton Hackett, Cottonwood
Gilbert Henry Haen, Minneapolis
Robert Graham Hansen, A.A., St. Paul
Ashley Powell Hartman, St. Paul
Lloyd Arthur Hauge, Minneapolis
Marjorie Anne Healy, Chatfield,
MAGNA CUM LAUDE
Winston Rabb Henderson, Minneapolis
Celesta M. Hoffman, Grantsburg, Wis.
Donald Ralph Hohage, Minneapolis
Robert Bramlett Humphrey, Jr., St. Paul
John Christian Hunsinger, Minneapolis
Robert Gordon Hunt, Minneapolis
Clarence W. Ivonon, Ely
Jerome Earl Jaffey, St. Paul
Leonard Arthur Japs, Minneapolis
Sidney Adrian Jepson, Sioux Falls, S.D.
Edward Sundseth Johnson, Minneapolis
Lawrence Milton Johnson, Minneapolis

Robert Rogers Johnson, Litchfield
Jack Yale Kahn, Minneapolis
Theodora Felland Kalin, Minneapolis
James John Kawczynski, Mankato
Barbara Louise Iverson Kernan, Bay-
field, Wis.

Jay Milton Kimball, Minneapolis,

MAGNA CUM LAUDE

George Adrian King, Waconia, CUM
LAUDE

Bruce Winston Kipp, B.A., Minne-
apolis

Muriel Dolores Kuehn, Minneapolis

Jan Eleanor Larson, Minneapolis,

CUM LAUDE

Marvin Claire Larson, Hopkins

Raymond Alton Lee, St. Paul

Sarah Harris Lee, Minneapolis

Edwin Victor Lehtinen, Deerwood

Philip Winton Lewis, St. Cloud,

CUM LAUDE

Gloria Ann Lincoln, Omaha, Neb.

Leland Bernin Lindberg, St. Paul

Howard Wallace Lindquist, Cedar

Harold Coates Lyman, Minneapolis

Irene Wilhelmina Mactavish, Minne-
apolis

Florence Edith Majerus, Havre,
Mont.

Richard Bruce Maland, Minneapolis

Roberta Leone Mark, Duluth

Robert James Markson, Sauk Centre

Dorothy Lee Larson Mathot, Frank-
lin, Ind.

John Austin McEniry, Albert Lea

Phyllis Ellen McGee, Minneapolis

William John McLellan, Minneapolis

Patricia Rooch Meyer, Minneapolis

Frederic S. Michener, Minneapolis

Martha Anne Miller, Milbank, S.D.

Russell Dean Miller, St. Paul, CUM
LAUDE

Urcel Frances Muggenburg, St. Paul

Betty Lucille Osborn Mullen,

Kansas City, Kan.

Bertrand Francis Murphy, Minne-
apolis

Sandy Arthur Myhre, Luverne

Robert Edward Nelson, Alexandria

William Clair Obert Nessel, Mahno-
men

Roy Victor Norquist, Minneapolis

Doris Jean Northenscold, Minne-
apolis

Lloyd Noteboom, Davis, S.D.

Richard Alonzo Novak, Minneapolis

John James O'Keefe, St. Paul

Thomas Oscar Olson, Minneapolis

Thelma A. Palmer, Duluth

Mildred Jean Parsons, Minneapolis

Marion Louise Perkins, Minneapolis,
CUM LAUDE

Robert William Peters, Delano

Eugene James Petersen, Harlan, Ia.

Robert Douglas Peterson, Wayzata

Jacqueline Pierce, Minneapolis,

MAGNA CUM LAUDE

Mary Joyce Pomije, Shakopee

Helen Anne Potvin, Minneapolis

David Freeman Ramberg, Glenwood

Eleanor Jennie Ranta, Minneapolis

Gerald Milton Remole, Minneapolis

Paul Joseph Rimarcik, Minneapolis

Robert Doke Robinson, Minneapolis

William Hubert Rogers, Jr., Minne-
apolis

Marvin Stanley Rosenberg, Minne-
apolis

Bertram Harvey Rutan, Hempstead,
N.Y., MAGNA CUM LAUDE

Geraldine Flora Sampson, Chisholm

Donald Charles Sandahl, Minneapolis

Mary Jayne Scarsella, Hibbing

Leona Maria Schultz, St. Louis Park

Jane Conelia Scofield, Opp, Ala.

Rosella Judith Sederberg, Lengby

Janet Alberta Sinako, Milwaukee,
Wis.

Sadie Lim Sing, Minneapolis

Marie Judith Skorich, Marble

Douglas LaRue Smith, Minneapolis

Mary Ann Smith, Minneapolis

Ruth Marie Soar, St. Paul

Patricia Louise Spear, Excelsior

Dorothy Elaine Statham, St. Paul

Joan Frances Stockwell, Minneapolis

Elizabeth Rand Stone, Wayzata

Donal Fred Swanson, Minneapolis

Betty Louanna Swenson, Minneapolis

George Donald Tallard, Jr., Minne-
apolis

Mary Olive Telford, Pipestone

Kenneth Alan Tessmer, Alexandria
John Ingram Thornby, Waseca
William Walton Trousdale,
Ida Grove, Ia., *MAGNA CUM LAUDE*
Molly Tyler, St. Paul
Robert Owre Uppgaard, Minneapolis
Betty Jane Vestal, Faribault
Robert Theodore von Schlegell,
Sharon, Conn.
Eli Rody Vuicich, Hibbing
Glyndon James Webb, Minneapolis

Paul Vincent Webber, Albert Lea
Wallace John Wellenstein, Albany
Marjorie Lei Wells, St. Louis Park
Lyle Harrison Wharton, St. Paul,
CUM LAUDE
Marcella Eva Wilberg, Anoka
Ernest August Will, Lake City
Fred William Winter, Minneapolis
James Walter Workman, Minneapolis
Robert Joseph Worwa, Minneapolis
Hyman Zimmerman, Minneapolis

Bachelor of Science

John Archer Eggen, Virginia

INSTITUTE OF TECHNOLOGY

Bachelor of Aeronautical Engineering

Guy Delos Allen, Minneapolis
Marwin Allran Bernards, Blue Earth
Paul Joseph Corcoran, Minneapolis
Donald Herbert Eckert, Minneapolis
Donald Malcolm Ericson, Minne-
apolis
Hugo Gerhard Gooderum, Jr., Canby
William Rees Horner, Lindstrom
Charles Hurlbert Hutchinson, Fari-
bault, WITH DISTINCTION
Gorden Asthon Johansen, Albert Lea
Ferris Gene Keyt, St. Louis Park,
WITH DISTINCTION
Paul Kjoelseth, V. Toten, Norway,
WITH DISTINCTION
Allan Earl Levin, Chicago, Ill.
Charlton Andrew Main, Minneapolis,
WITH DISTINCTION

Ralph Leonard Maki, Nashwauk,
WITH DISTINCTION
Roger Jens Nielsen, St. Paul
Frank H. O'Donnell, Jr.,
New Orleans, La.
Raymond Harris Ottoson, Minne-
apolis
Norman Haahr Petersen, Hopkins
Robert Fred Prock, Minneapolis
Paul Arthur Salness, Minneapolis
Richard Paul Schumann, Arlington
John Merritt Shay, Minneapolis
Russell Vincent Solstad, St. Paul
Frederick Arthur Strombom, Ogema,
Wis.
Henry Kermit Wiger, Minneapolis
Irvin James Wilson, Thief River Falls

Bachelor of Agricultural Engineering

Robert Edward Dorothy, Grand
Rapids
Boyd Robinson Forrest, Rochester
Robert Valentine Keppel, Mindoro,
Wis., WITH DISTINCTION

Kenneth Loren Kravik, Madtson
William James McGoldrick, Minne-
apolis
Arthur Monroe Skauge, Shakopee

Bachelor of Architecture

Grover Willard Dimond, St. Paul
Gordon Heck, St. Paul, WITH DIS-
TINCTION

Leonard S. Parker, Milwaukee, Wis.

Bachelor of Civil Engineering

Sheldon Boehm, St. James
James Herbert Boehmler, Jr., Hampton, Ia., WITH HIGH DISTINCTION
Warren William Carter, Fairmont
Eldon Vogel Comstock, Mankato
Conrad Joseph Dankowski, St. Paul
John Nicholas Ellenbecker, St. Cloud
Rodger Lloyd Gardner, St. Paul
Earl Paul Hackert, St. Paul
James Andrew Hagman, Minneapolis
Carl Evans Heenan, Blue Earth
Richard Ransom Helmick, Minneapolis
Lawrence Joseph Hruza, St. Paul
Kenneth Wayne Johnson, Staples
Gail Borden Knight, Williams
Leslie Nelson Knutson, Willmar
Lawrence Raymond Kubacki, Keewatin

Rodney Curtis Larson, Minneapolis
Vernon Ledvin Ljungren, Sebeka
William John Meuwissen, Cologne
Keith Iverson Miller, Minneapolis
Harold Martin Morken, Coleraine
Theodore Charles Nordquist, Robbinsdale
Robert Carl Raugland, B.B.A., Edina
Donald Vincent Selfe, White Bear Lake
John Merritt Sheeks, Duluth
Richard William Teague, Detroit Lakes
Thomas Allert Thompson, Lakefield
Walter Wyman Thorpe, Winona
Michael Joseph Trebtoske, St. Cloud
William Joseph Walburg, Cambridge
Lawrence James Wheeler, Minneapolis

Bachelor of Electrical Engineering

Rolland Bernard Arndt, St. Paul, WITH DISTINCTION
Earl Elmer Bakken, Minneapolis
Philip Joseph Belanger, Aberdeen, S.D., WITH DISTINCTION
Ansel Quentin Berglund, Evansville
Elmer Eric Bergman, Duluth
Neal Allen Bodin, Mound, WITH DISTINCTION
George Morris Carlson, Minneapolis, WITH DISTINCTION
Carl Daniel Cochrane, St. Cloud
Albert David Cohen, Minneapolis
Thomas Glenn Dalby, Minneapolis, WITH DISTINCTION
Milton Fuller Demos, Columbus, Ohio, WITH DISTINCTION
Robert Joseph DeMuth, Mankato
Fred Theodore Deziel, St. Paul
Oscar Eknes, Scanlon
Harley Clayton Gabrielson, B.S.M.E., Duluth
John Richard Greenly, Santa Monica, Calif.
Harold Haibeck, Adrian

Everett Lewis Hare, Rochester
William Max Holm, Minneapolis
Norman Ingolf Hval, Minneapolis
James Joseph Jablonski, St. Paul
Howard James Jensen, Pelican Rapids
Alden Louis Johnson, Minneota
Robert George Johnson, St. Paul
Wallace Erick Johnson, Two Harbors
Morris Kaswen, Minneapolis, WITH DISTINCTION
Philip Travis Kennedy, St. Paul
Richard Benjamin Kinsman, Worthington
George Ernest Knowles, Hopkins
Arne Knudtson, Oslo, Norway
John Leroy Kooiker, Boyden, Ia., WITH DISTINCTION
Robert Wayne Kopp, St. Paul
Joseph Jacob Kuzma, Ely
Jerome Jean LaBatte, Jr., St. Paul
Frederick Webber Lang, Minneapolis
Lawrence Arthur Larson, Chisago City
Bertram Godfrey Leveroos, St. Paul
Peter Lolich, Nashwauk
Leonard Victor Makela, Hibbing

Donald Charles Neumeister, Browns Valley, WITH HIGH DISTINCTION
 Clayton Wesley Ochs, Albert Lea
 Donald Bernt Odegaard, Mayville, N.D.
 Milton Stanley Olberg, Northfield
 Eric Einar Olseen, St. Paul
 John Cooke Pearce, Duluth
 Keith Norman Peterson, Waseca
 Charles Joseph Purcell, St. Paul
 Pierre Casper Schoener, St. Cloud
 Lawrence Arthur Schroeder, St. Paul

Richard Thorn Schroeder, St. Paul
 Robert Lee Sell, Red Wing
 Delbert William Shobe, Stacy
 Paul Richard Skon, St. Paul
 Harvey Thomas Solee, St. Paul
 Peter William Spell, Minneapolis
 Warren Harvey Spencer, Montevideo, WITH DISTINCTION
 John Carlton Strand, Benson
 Laurence M. Thorsheim, Thompson, Ia.
 James Henrik Tone, Northome

Bachelor of Mechanical Engineering

Harry Warren Anderson, Minneapolis
 Willis Glenn Anderson, Minneapolis, WITH DISTINCTION
 William Weston Arndt, St. Paul
 William Hyatt Bachelder, Jr., Stillwater
 George Roswell Bean, Minneapolis
 Kenyon Belknap, Ceylon
 Herman Donald Borovsky, Minneapolis
 William Newton Brisley, Minneapolis
 Donald Clifford Burkness, Minneapolis
 Charles Edward Burnham, Jr., Gary, Ind.
 Donald James Carlson, Minneapolis
 Martin Edward Corcoran, Minneapolis
 John Wilbur Dietrich, Minneapolis
 Ralph Owen Duncanson, Jr., St. Paul
 Gordon Henry Eggers, Minneapolis
 Fred Willard Ellis, Beloit, Wis.
 James Peter Engquist, Minneapolis
 Donald Francis Geng, St. Paul
 Paul John Gold, Jr., Minneapolis
 Marvin George Graybow, New York, N.Y., WITH DISTINCTION
 Joseph Robert Hadd, Jr., St. Paul
 Richard Marvin Hoffman, Minneapolis, WITH DISTINCTION
 Donald Lyle Holzschuh, Minneapolis
 James Everett Hunter, Minneapolis
 Verne Franklin Inman, Tracy
 David Leo Jarvis, Minneapolis
 Arnold Emery Johnson, St. Paul

Orville Martin Johnson, St. Paul
 Thomas Peter Jones, St. Paul, WITH DISTINCTION
 Joseph Clarence Juettner, Minneapolis
 Clyde Allen Klappenback, Cloquet
 Edward Leo Kneip, Hibbing
 Donald Sidney Koncak, Minneapolis
 Robert Sundling Konigson, Minneapolis
 John Wellington Kuhn, St. Paul
 Wallace Alvin Larson, Guthrie
 Walter Stanley Larson, Guthrie
 Eino Kenneth Latvala, Sebeka
 Frank Arvid Lindholm, Minneapolis
 John Arthur Marvin, Minneapolis
 Charles David Maytum, Rochester, WITH DISTINCTION
 William Haley McGinnis, Minneapolis
 Alan Lester McLees, B.A. in Educ., Minneapolis
 John Victor Melink, Hibbing
 Stanley George Mork, Faribault
 Gale Edward Nordstrom, St. Paul
 Clifford Gustav Olson, B.S. in Naval Tech., Minneapolis
 William Otto Paulson, Minneapolis
 Bernard James Proft, Minneapolis
 Vernon Kenneth Quarve, Robbinsdale
 Howard Vincent Schultz, St. Paul
 Albert Mason Sisler, Grand Rapids
 Robert Fred Stewart, Minneapolis
 Arthur Wark Storm, Minneapolis, WITH DISTINCTION

George K. Syrov, Hopkins
George Terpstra, Ogilvie
William Francis Tramontin, Chisholm
Donald Frank Vraspir, Hopkins,
WITH DISTINCTION
Erik Wahl, Oslo, Norway
Robert Eugene Walker, B.S., Salinas,
Calif.

Arnold Lewis Waxman, B.E.E.,
Albany, N.Y.
Robert Edward Weber, St. Paul
Eugene Mann Whitacre, Jr., White
Bear Lake
Donald Victor Wiberg, Minneapolis
William F. Zoellmer, Robbinsdale

Bachelor of Chemical Engineering

Wallace Richard Carlson, Minneapolis
Kenneth Severin Freeman, Minneapolis
Robert Henry Klostermann, White
Bear Lake
Richard LeRoy Nielsen, Minneapolis
Boris Rabinovich, Colombia, S.A.

Victor Leroy Rushfeldt, Jr., Albert
Lea
Carlton Frank Schrader, Minneapolis
William R. Starkey, Minneapolis
Normann Storeygard, Minneapolis,
WITH DISTINCTION
Brown Wanless Thomas, St. Paul
Arlyn John Wells, Becker

Bachelor of Physics

Bernard Berman, Minneapolis, WITH
DISTINCTION
Peter Edward Sarette, Cloquet

John Stewart Sumner, B.S., Minneapolis

COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

Bachelor of Science

Ruth Doris Agnew, Clearwater,
Home Economics
John Ryauld Bergeron, Minneapolis,
Forestry
Earl Sanford Bergerud, Fergus Falls,
Agriculture
Patricia Joyce Boe, Minneapolis,
Home Economics
Mary Jean Cedergren, Duluth, Home
Economics
Lyle Merle Christenson, St. Paul,
Fish and Wildlife Management
Warner Archie Christeson, St. Paul,
Agriculture
Robert John Erickson, Minneapolis,
Fish and Wildlife Management

Goldie Shirley Schwartz Frenkel,
Cando, N.D., Home Economics
Elsmore Albertine Friberg, Clarkfield,
Forestry
Mary Jane Frojen, Minneapolis,
Home Economics
Gloria Patricia Lathrop Haslund,
Minneapolis, Home Economics
Naurine Requist Higgins, St. Paul,
Home Economics, WITH DISTINCTION
Arnold Rieke Johnson, Fairfax, For-
estry, WITH DISTINCTION
Marjorie Jane Knuth, Worthington,
Home Economics
Quentin B. Kubicek, Waseca, Science

John Joubert Lawrence, Litchfield, Agriculture	Ann Margaret Povaiba, Keewatin, Home Economics
Robert Edward Lee, Minneapolis, Forestry—Wildlife Management	Lorenz H. Rickert, Lakefield, Fores- try
Jerome Francis Leirich, St. Paul, Agriculture	Wayne Archibald Ruona, Hector, Agriculture
William Howard Longley, St. Paul, Fish and Wildlife Management	Philip Frank Stocker, St. Paul, Agri- culture
Lester Theodore Magnus, Kinney, Forestry—Wildlife Management	<i>Philip Seyfang Taylor, Minneapolis,</i> Science, WITH DISTINCTION
Roger James McCormack, St. Paul, Fish and Wildlife Management	Donna Jean Thorson, Minneapolis, Home Economics
Arthur John Nielsen, St. Paul, Agri- culture	Carroll Myron Thureen, Duluth, For- estry
Urho William Nordlund, Kettle River, Agriculture	Frances Marilyn Yetter, Wadena, Home Economics

LAW SCHOOL

Bachelor of Science in Law

William Norman Braun, St. Paul	William August Mossberg, Jr., Red Wing
Douglas John Haugland, Minneapolis	John Robert Murphy, Minneapolis
Martin Kesselhaut, Newark, N.J.	

Bachelor of Laws

Calvin James Anderson, B.A., Moor- head	Robert Patterson Cudd, B.B.A., Min- neapolis
Kenneth Morse Anderson, B.A., Bel- mond, Ia.	Stan Dillon Donnelly, Jr., B.A., St. Paul
Richard William Anderson, B.B.A., Fargo, N.D.	Leonard Albert Erickson, B.S., M.B.A., Grand Forks, N.D.
Osborne Becklund, B.S.L., Minne- apolis	Frank Samuel Farrell, B.S.L., Duluth
Arnold Manual Bellis, B.S.L., St. Paul	Robert Elwood Fauss, B.S.L., Minne- apolis
Curtis Hamilton Berg, B.S.L., Granite Falls	Allen Ogden Feil, B.S. in Ch.E., Liberty, Kan.
Robert Roy Biglow, B.S., B.S.L., Ashland, Wis.	Conrad MacCormack Fredin, B.S.L., Duluth
Robert Enochs Bowen, B.A., Minne- apolis	Kermit Arthur Gill, B.S.L., Minne- apolis
William Norman Braun, St. Paul	William Thomas Hedeon, B.A., Winthrop
John Cotton Burton, B.A., Deephaven	Thomas Michael Hilligan, B.S.L., Chisholm
William Richard Busch, B.S.L., St. Paul	James Hajime Kamo, B.A., Honolulu, Hawaii
John Theodore Cajacob, B.S.L., Min- neapolis	Philip Henry Kelber, B.S.L., Minne- apolis
George Xavier Connor, B.B.A., New York, N.Y.	

Irwin Ketroser, B.S.L., St. Paul
 Glenn Harmon Klemme, Jr., B.A.,
 St. Paul
 Robert Stanton Krause, B.S.L.,
 Hackensack, N.J.
 Herbert Clifton Kroon, B.S.L., Man-
 kato
 Arnold Vernon Kuehn, B.S.L., Car-
 rington, N.D.
 Edwin Woodrow Lammi, B.B.A., Orr
 Robert Ingram Lang, B.S.L., Minne-
 apolis
 Herschel I. Lash, B.A., Fargo, N.D.
 Clayton LeMont LeFevere, B.S.L.,
 Spring Valley
 William Warren May, B.S.L., Pierre,
 S.D.
 Elmer Vernon Morland, B.A., Scran-
 ton, N.D.
 Morton Newman, B.A., Philadelphia,
 Pa.
 John Thomas O'Connor, B.S.,
 St. Paul

William Blake Patton, B.S.L., Hop-
 kins
 Keith John Petersen, B.S.L., St. Paul
 George Leslie Powell, Jr., B.S.L.,
 St. Paul
 Romaine Ralph Powell, B.S.L., Min-
 neapolis
 Thomas McManus Quayle, B.S.L.,
 St. Paul
 Herman Joseph Ratelle, B.S.L., Min-
 neapolis
 John Gordon Robertson, B.A.,
 Robbinsdale
 Elton Hiroshi Sakamoto, B.S. in Bus.
 Adm., Honolulu, T.H.
 Lester L. Sokol, B.S.L., Minneapolis
 Gordon Arch Stephenson, B.A., Min-
 neapolis
 Michael James Welsh, Jr., B.A.,
 B.S.L., Minneapolis
 Lawrence Robert Yetka, B.S.L.,
 St. Paul

COLLEGE OF MEDICAL SCIENCES

Bachelor of Science (Medical Technology)*

Mary Margaret Fasbender, Hastings
 Marie Harrigan Frensko, Minneapolis
 Jacqueline Lewis, Hibbing
 Elizabeth June Lienna, Stephenson,
 Mich.
 Joyce Renee Schellbach, Nashwauk,
 WITH DISTINCTION

Sally Joanne Scherven, Wayzata
 Blanche Elizabeth Schneider, Rice
 Lake, Wis.
 Jean Elizabeth Smaltz, Le Mars, Ia.,
 WITH DISTINCTION

Bachelor of Science (Medicine)

Howard Willis Lindsey, Jr., Rochelle, Ill.

Bachelor of Science (Occupational Therapy)

Jean Elizabeth Roberts, St. Paul

Elizabeth Anne Steichen, Minne-
 apolis

* These degrees are conferred subject to the satisfactory completion of required practical work prior to March 17, 1949.

Bachelor of Science (Public Health Nursing)

- Wynne Ruth Aiken, Kansas City, Mo., WITH DISTINCTION
Joyce Iris Albrecht, Winthrop, WITH DISTINCTION
Joan Elaine Alger, Grand Forks, N.D., WITH DISTINCTION
Lillie Christine Astrup, R.N., Grenora, N.D.
Bonnie Stoneberg Austin, R.N., Maxwell, Ia.
Eunice Marcella Berglund, R.N., Underhill, Wis.
Dorothy Edna Budil, R.N., Milwaukee, Wis., WITH DISTINCTION
Lorena Maxine Doak, Faith, S.D.
Veronica Fliegel, G.N., DeForest, Wis.
Ruth Adore Hanson, R.N., Kindred, N.D.
Bernett A. Jaeger, R.N., Winthrop, WITH DISTINCTION
Martha Ovedia Johnson, Maddock, N.D.
Shirley Jeanne Johnson, G.N., Holdrege, Neb., WITH DISTINCTION
Mary Nelson Lakie, R.N., Barnesville, WITH DISTINCTION
Edna Mae Matthews, G.N., Washington, D.C.
Colette Weyer McCurdy, Minneapolis
Barbara Beatty McKie, Duluth, WITH DISTINCTION
Mary Margaret McLaughlin, Thief River Falls
Josephine Ruth Miller, Oshkosh, Wis.
Delta Larson Mooers, Grand Rapids
Kristy Louise Olsen, Minneapolis
Josephine Rost, R.N., Boyd
Frances Eleanor Simensen, R.N., Devils Lake, N.D., WITH DISTINCTION
Ruth June Slade, A.A., R.N., Virginia
Grace Langston Stuefer, Minneapolis
Jeanette R. Thibodo, Stephen
Margaret Leimer Thon, Cloquet
Clementia Marjorie Tuholski, Chisholm
G. Jean-Lois Tweeten, Spring Grove

Master of Public Health

- Mable Lura Grumley, B.S., Omaha, Ill.
Frances Martin Hoover, B.S., Chicago, Ill.
Lucy Lee Forney Knox, B.S., Washington, D.C.
Frieda Marie Lohofener, B.S. in Ed., Minneapolis
Mary Elizabeth McConnell, B.S., Pittsburgh, Pa.
Florence Dierberg Miller, B.S., Creve Coeur, Mo.
Siméon del Rosario, A.A., M.D., Albay, Philippine Islands

COLLEGE OF PHARMACY

Bachelor of Science in Pharmacy

Virginia Bellvia Osborn, A.A., LeSueur

COLLEGE OF EDUCATION

Bachelor of Science

- Willard Starr Alm, Minneapolis
Clyde Leonard Anderson, Jr., B.A.,
Minneapolis
Myrtle Rhoda Anderson, Minneapolis
Jason Roehl Arlington, Minneapolis
Grace M. BaDour, Minneapolis
Vivian McPeck Bay, Minneapolis
Alice Adele Beaulieu, Minneapolis
Dean Vincent Berry, Minneapolis
Warren Lawson Beson, Minneapolis
Francis Frederick Boyles, Jr., Minne-
apolis
Margaret LeVan Boysen, Boonsboro,
Md.*
Marian Ruth Brandes, Bismarck,
N.D.*
Virginia Louise Brewer, Minneapolis
Robert Harold Brown, East Roch-
ester, N.Y.
Evelyn Bertha Burgess, Farmington,
WITH DISTINCTION*
Carmen Marie Calanducci, Keewatin
Betty Grace Cave, Bismarck, N.D.*
Dagmar M. Christensen, Minneapolis,
WITH DISTINCTION
Robert Milton Christianson, Albert
Lea
Arleen Merle Clausen, Jasper
Sherwood Martin Cleveland, Anoka
Raymond Martin Davoli, St. Paul
Georgia Rose Fischer, Shakopee*
Bernard John Fligelman, Minneapolis
Margaret A. Fogarty, St. Paul
Geraldine Blanche Frise, Minne-
apolis
Doreen Louise Gilbertson, Marshall
Helen Stone Gould, Excelsior*
Frank Joseph Gruber, Jr., St. Paul
Richard John Hanson, North St. Paul
Wilfred Howard Hausmann, A.A.,
Albert Lea
Ethel Cora Heitzman, St. Paul
Ruth Eleanor Howe, G.N., Glencoe,
WITH HIGH DISTINCTION*
Marjorie Marie Janeck, Seattle,
Wash.*
Edith Dorothea Jensen, Minneapolis
Fred Holton Johnson, Minneapolis
Robert Frank Johnson, North St. Paul
Paul Sejr Jorgensen, Minneapolis,
WITH DISTINCTION
Phyllis McDougall Lee, Minneapolis*
Richard Budworth Lee, Rochester
Bruce Murray Lindahl, Crosby
Constance Jane Lindahl, Minneapolis
Martha Louise Lund, Duluth
Raphael Maiola, Biwabik
Harold John Martens, St. Paul, WITH
DISTINCTION
Alice Margaret McKnight, St. Paul
George Albert Membrez, Jr., St. Paul,
WITH DISTINCTION
Henry Arthur Mengelkoch, Minne-
apolis
Jacquelyn Williams Miesbauer, Chis-
holm*
Arne Wilbur Morrison, Minneapolis
Arthur Renald Moscatelli, B.A.,
Eveleth
Mary Jane Neal, A.A., Minneapolis*
Gordon Dale Nelson, Minneapolis
Ann Nyquist, Glasgow, Mont.
Evelyn Kelly O'Connell, Minneapolis
Mildred Jane O'Donnell, R.N.,
Camby, Ind.*
Richard Joseph O'Fallon, Minne-
apolis
Elaine Joy Olson, Windom
Ruth Matilda Evelyn Olson, R.N.,
Cottonwood*
Marian Edith Otteson, Minneapolis*
Jacob Leroy Puterbaugh, Minneapolis
Ruth Range, Minneapolis*
Mildred Lorraine Reher, Minneapolis
Dorothy M. Renner, Minneapolis
Delores Helen Roberts, A.A., Minne-
apolis
Phyllis Jean Cameron Rustad,
Hawley*

* Nursing Education Curriculum.

Annette Marion Schoch, R.N., Rochester*
 Shirley Shure, Minneapolis*
 Jack Simos, St. Paul
 Melvin Stanley Sjerven, St. Paul
 George Sabin Smith, St. Paul
 Raymond Edward Smith, Minneapolis
 Jacquelyn Ellen Snyder, A.A., Atkinson, Neb.*
 Julius Stein, Minneapolis
 Dorothy Linnea Swanson, Minneapolis
 Eugenia Taylor, Malta, Mont.*

Margery Kathryn Thompson, San Mateo, Calif.
 Joan Marie Utnehmer, Minneapolis
 Ruth-Marie Walz, Duluth, WITH HIGH DISTINCTION*
 Luverne Arthur Wedell, Minneapolis
 Alfred H. Weiss, St. Paul
 Juanita Whitby, Minneapolis, WITH DISTINCTION
 Mary Elizabeth Wilkins, Minneapolis*
 Stanley Gordon Wold, Minneapolis, WITH HIGH DISTINCTION

Master of Education

Kathleen Eileen Binek, B.S., Minneapolis
 Kathleen Mary Hynes, B.S. with distinction, Minneapolis

Helen Cleveland McKenney, B.S., St. Paul

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

Bachelor of Science

Phyllis Emilie Depew, Minneapolis, Home Economics Education
 Cecil Robert Frensko, Ivanhoe, Agricultural Education
 Merton Peter Hansen, Blooming Prairie, Agricultural Education
 Evane Ardell Hanson, Bagley, Home Economics Education
 Walter Emil Larson, Minneapolis, Agricultural Education, WITH DISTINCTION

Patricia Essie Loen, Detroit Lakes, Home Economics Education, WITH DISTINCTION
 Frank Jerry Mahnich, Aurora, Agricultural Education
 Lennen R. Naley, Worthington, Agricultural Education
 Natalie Harriet Skooglun, St. Paul, Home Economics Education
 Richard John Vossen, Watkins, Agricultural Education

SCHOOL OF BUSINESS ADMINISTRATION

Bachelor of Business Administration

Boyd Norman Anderson, Litchfield
 Clayton Marlow Anderson, Minneapolis
 Martin Alfred Anderson, St. Louis Park

Carsten Astrup Arentson, LaCrosse, Wis.
 Nolan Douglas Asleson, Lengby
 Walter Banisky, Minneapolis
 Paul Earl Barta, Minneapolis

* Nursing Education Curriculum.

Donald George Benner, Long Lake
Clifford Harding Bennett, Red Wing
Norman Arne Benson, Starbuck
Roy Ervin Bentson, Eveleth
Douglas Spearman Berg, Duluth
Charles Frank Bickert, Chicago, Ill.
James Carlton Blackman, Minneapolis
Dale Quentin Blomsness, Minne-
apolis

George Bocan, Jr., Minneapolis
Emil Joseph Bovich, Hurley, Wis.,
WITH DISTINCTION

Philip Granau Bowers, Jr., Okoboji,
Ia.

Frederick William Brandt, Minne-
apolis

Halvor Bratteli, Gryla

Frederick Herman Buckner, St. Paul
Charles Edward Burnham, Jr., Gary,
Ind.

Richard Davis Butler, Villard
James Joseph Cecka, St. Paul
Clifford O. Charlson, Kenyon
Phillip Anderson Christenson, Minne-
apolis

Robert Thorin Christianson, St. Paul
Myron Mathias Christy, Minneapolis,
WITH HIGH DISTINCTION

Paul Andrew Cibuzar, Brainerd
Floyd Alfred Clements, Jr., St. Paul
Douglas Eugene Coen, Hackensack,
WITH DISTINCTION

Richard Phillip Coen, Hackensack,
WITH DISTINCTION

Martin Edward Conway, Minneapolis
George Ernest Cornwell, St. Paul
Ambrose Francis Crowe, LeRoy, WITH
DISTINCTION

Clifford Leslie Dahlin, Minneapolis
John Edward Daly, St. Paul
Harry Harold Dauer, Austin
Donald James Davis, Minneapolis
Robert Joseph DeMuth, B.E.E.,
Mankato

Morris Donald Dettman, Minneapolis
John Walter Dohm, Minneapolis
Robert Allen Doten, Minneapolis,
WITH DISTINCTION

Chester John Drazek, Minneapolis
Vivian Eleanor Droege, Plato
Norman Eldon Dybdahl, Minneapolis

Earl Norman Eck, Minneapolis
Albert William Emerson, Little Falls
Roger Frederick Emerson, Little Falls
Ben Earl Engstrand, Minneapolis
Oscar Gottfried Erickson, Duluth
Merlin Wilford Finger, Paynesville
Harold Lawrence Fink, Duluth
Ambrose Marcel Fitzsimmons,
St. Paul

Alvin Charles Forsmark, Minneapolis
Richard Alton Fossum, Minneapolis
Donald Martin Friborg, Minneapolis
Walter Louis George, Minneapolis
Claude Irvin Glatzmeier, St. Paul
William Goldetsky, St. Paul

Kenneth Francis Greene, Minneapolis
Robert Alan Grohman, Caledonia
Frank Hugh Grundman, St. Cloud
Dorothy Lee Hall, Minneapolis
Alfred Dennis Hauer, Minneapolis
Sigurd Thoralf Haugan, St. Paul
Kenneth A. Hausler, Rochester
Norris Gilbert Heglund, Olivia
Waldemar Carl Heinecke, Appleton
Maynard Merle Helmeke, George-
town

Bernice Mary Hepola, Sebeka
William Lester Herkenratt, B.A.,
Northfield

Curtis Beck Heywood, Minneapolis
Wilfred Stanley Hooper, St. Paul
Andrew Joseph Hunter, Minneapolis
John Frederick Huss, Minneapolis
Donald Erwin Hutson, Minneapolis
Richard Alvin Jensen, Minneapolis
Howard Charles Johnson, Minne-
apolis

Richard Arvid Johnson, Minneapolis
Robert Vernon Johnson, Minneapolis
Theodore Clyde Johnson, Minneapolis
Walter Conrad Johnson, Minneapolis
Edward George Julian, Minneapolis
Lynn Morris Kloster, Breckenridge
George Elmer Klouda, Hopkins
Kenneth Charles Kohn, Corvuso
Robert Frederic Kropp, Winona
William Bud Kuether, Minneapolis
Dorothy Helen Kulhanek, Omaha,
Neb.

Frederick Webber Lang, Minneapolis
Robert Wolfe Lewin, Crookston

Burton Edward Lewis, Cherokee, Ia.
 Dorothy Delaine Liljenquist, Minneapolis
 James Edmund Lowe, Minneapolis
 Richard Wallace Lundgren, A.A., Minneapolis
 Ralph Leonard Maki, Nashwauk
 Donald Floyd Manguson, St. Paul
 Richard Edward Marceau, Minneapolis
 Robert John Marks, Kimball
 Charles Price Marshall, Minneapolis
 John Roger Mason, Duluth
 John Anthony McCarthy, St. Paul
 William Robert McClean, Minneapolis
 Ralph Gould McCoy, Minneapolis
 Lawrence Edward McGauley, B.M.E., Duluth
 John Patrick McGrand, Rochester
 Roy Albert Mehrkens, Red Wing
 Curtiss Edwin Melby, Duluth
 Ralph Philip Mickow, Lake City
 Donald Olaf Modeen, Minneapolis
 Edward Sylvester Musolf, Duluth
 Edward William Nelson, Duluth,
 WITH DISTINCTION
 Harold Elliott Nelson, Jr., Minot, N.D.
 James Olaf Nelson, Brainerd
 Merle Gerald Nelson, Clearbrook
 Robert William Nelson, Minneapolis
 Edwin Charles Nokua, Nashwauk
 H. Winston Noren, Minneapolis
 Blaine Willis Olson, Mora
 Robert Clifton Olson, Minneapolis
 Michael Orescanin, Duluth
 Arthur Clayton Ostlund, Minneapolis,
 WITH DISTINCTION
 Edward Otto Pagel, St. Paul
 Peter Robert Palmer, St. Paul
 James Walter Partridge, Minneapolis,
 WITH DISTINCTION
 Lawrence Wesley Payne, Minneapolis
 Alden Clifford Peterson, Minneapolis
 Donald George Peterson, Milaca
 Orville L. Peterson, St. Paul
 Kent Irving Powers, Minneapolis
 Howard D. Punch, Minneapolis
 Herbert George Purdy, Minneapolis
 Richard Victor Ramstack, Minneapolis, WITH HIGH DISTINCTION
 Kenneth Reynold Rice, Hill City
 Darrell Kenneth Rittenhouse, Minneapolis
 Erling William Rockney, Minneapolis
 Melroy Harris Rude, Minneapolis
 Allan Lyle Rudell, Minneapolis
 John Patrick Ryan, Minneapolis
 Gordon Casper Schleicher, McIntosh
 George Melvin Schwartz, Jr., Minneapolis, WITH DISTINCTION
 Richard Earl Skoglund, Cambridge
 John Frederick Smith, Stillwater
 Paul Arthur Smith, Minneapolis
 Harold Andrew Sorenson, Northfield
 Leslie Howard Starr, Spring Valley
 Einar Wilford Stolberg, Duluth
 Maurice Conrad Swee, Wanamingo
 Charles M. Thompson, St. Paul
 John Edward Thomson, Winona
 John Frederick Tillotson, Minneapolis
 Neal Tilsner, St. Paul
 Samuel Deinard Unschuld, Minneapolis
 Carol Marie Vondra, Mahanomen
 Marjorie Wilhelmena Vorachek, Lankin, N.D.
 Carl William Vorlander, Minneapolis
 Harold Herman Wachs, Minneapolis,
 WITH DISTINCTION
 Kenneth Roger Wahlberg, St. Paul
 George Harry Wallin, Minneapolis
 Gerald Otto Wendt, Morgan
 Harold Edwin Wetterlin, St. Paul
 Donald R. Wilcox, Minneapolis
 Wayne Williamson, St. Paul
 Herman Watson Wilson, Jr., Duluth
 Merrill Stanley Winge, Raymond
 David Zeitlin, B.Ch.E., Minneapolis
 John Harry Zoller, Minneapolis

Bachelor of Science in Economics

John Lind Andrews, Minneapolis
 Donald Francis Bannon, Rochester

Robert George Michaels, St. Paul

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

Bachelor of Agricultural Business Administration

Albert Carl Maas, St. Paul, WITH DISTINCTION

UNIVERSITY COLLEGE

Bachelor of Arts

Adah Ellen Fitzsimmons, Minneapolis
Harold Budd Garretson, Minneapolis
Charles Jacob Horwitz, A.L.A.,
St. Paul
Gwen E. Lageson, Austin
John Francis Lessman, St. Paul

James Berton Maillie, Waterloo, Ia.
Jean Patricia Murphy, Minneapolis
James Francis Norton, St. Paul
Marilyn J. Redeen, Minneapolis
William Charles Reeves, St. Paul
Warren William Schmidt, Minneapolis

Bachelor of Science

Oliver Clifford Frykholm, Minneapolis

Roger Francis Howland, White Bear
Lake

GRADUATE SCHOOL

Master of Arts

Earl Wilfred Anderson, Kerrick
B.E. '46, Superior State Teachers College.
Field of Concentration: Educational Administration.

John Paul Anderson, Elk River
B.S. '42, University of Minnesota. Field of
Concentration: Education.

Harvey Virgil Berneking, Wheaton
B.M. '42, Concordia College. Field of
Concentration: Music.

Herald R. Berntsen, St. Paul
B.A. '39, Mayville State Teachers College.
Field of Concentration: Speech.

Chester Leonard Brooks, Minneapolis
B.A. '42, Augsburg College. Field of
Concentration: History.

William Claude Budd, Maple Plain
B.A. '44, Hamline University; B.S. '48, University of Minnesota. Field of Concentration: Educational Administration.

John Warren Bystrom, Minneapolis
B.A. '43, University of Minnesota. Field of
Concentration: Speech.

Joseph Shu-si Chang, Chungking,
China

B.J. '46, University of Missouri. Major:
Journalism. Minor: History. Thesis: A Study
on the Movements of International Freedom
of Information and of the Press.

Marjorie Pauline Christensen,
St. Louis Park

B.A. '38, University of Minnesota. Field of
Concentration: Music.

Leland Rogers Cooper, St. Paul

Ph.B. with honors '36, University of Wisconsin. Major: Anthropology. Minor: Sociology. Thesis: Culture Aspects of the Nett Lake Indian Village.

Dorothy Catherine Deutsch, Minneapolis

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

Lloyd William Ditlevson, Faribault
B.A. '42, St. Olaf College. Field of Concentration: Social Work.

Donald Rudolph Dubbert, Cedar Falls, Ia.

B.A. '40, Iowa State Teachers College. Major: Physics. Minor: Mathematics. Thesis: Tissue Stimulators Utilizing Radio Frequency Coupling.

Waite Dewight Durfee, Jr., Council Bluffs, Ia.

B.A. *cum laude* '42, Coe College. Major: Economics. Minor: Political Science. Thesis: The Taxation of Capital Gains and Losses.

John Allen English, Winnipeg, Manitoba, Canada

B.Com. '46, University of Manitoba. Field of Concentration: Economics.

Oliver William Feniak, Warspite, Alberta, Canada

B.S. '45, University of Alberta. Major: Geology. Minor: Zoology. Thesis: The Upper Franconia of Southeastern Minnesota.

Gloria Beatrice Foster, Washington, D.C.

B.S. *magna cum laude* '46, Howard University. Field of Concentration: Psychology.

Otto Fritz, Winnipeg, Manitoba, Canada

B.Com. '47, University of Manitoba. Field of Concentration: Economics.

Arthur W. Glass, St. Peter

B.A. '43, Gustavus Adolphus College. Major: Zoology. Minor: Economic Zoology. Thesis: The Effects of Natural Selection, Population Size and Random Sampling on a Large Population of *Drosophila melanogaster*.

Betty Goetz, Chicago, Ill.

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

Marian Hamer Graves, West Roxbury, Mass.

B.A. '45, Colby College. Field of Concentration: Mathematics.

Robert Edward Hayes, Park Rapids

B.S. '43, Bemidji State Teachers College. Major: Zoology. Minor: Bacteriology. Thesis: Strain Variation in *Chilomonas paramecium*.

William Willard Horns, Bemidji

B.S. '27, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Robert Irwin Hudson, Minneapolis

B.A. *magna cum laude* '47, University of Minnesota. Field of Concentration: Psychology.

Oiva Juho Jaskari, Nurmo, Finland

B.A. '46, Helsinki University. Field of Concentration: Economics.

George James Jennings, Minneapolis
B.S. with distinction '46, University of Minnesota. Field of Concentration: Geography.

Kenneth Julius Johnson, St. Paul

B.E. '33, Moorhead State Teachers College. Field of Concentration: Curriculum and Instruction.

Maebelle Eleanor Johnson, Anoka

B.A. '34, Gustavus Adolphus College. Field of Concentration: Social Work.

Rodney Kellar, Minneapolis

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

Clair Garfield Kloster, Forest City, Ia.

B.A. *cum laude* '38, Luther College. Field of Concentration: Educational Psychology.

Blanchard Orlando Krogstad, McIntosh

B.A. '46, Bemidji State Teachers College. Major: Zoology. Minor: Entomology. Thesis: A Study of the Effect of the Application of DDT to an Insect Population on Alfalfa.

Elizabeth Townsend Lang, Minneapolis

B.A. '37, Macalester College. Field of Concentration: Social Work.

Truly Trousdale Latchaw, White Bear Lake

B.A. '35, Grinnell College. Major: Speech. Minor: English. Thesis: The Trousdale Brothers Theatrical Companies from 1896 to 1915.

Kai-Yung Karine Liu, Hengyang,
China

B.A. '41, Ginling College; M.A. '46, Yenching University. Major: English. Minor: English Composition. Thesis: English Influences on the Development of Modern Chinese Versification.

Martha Victoria Lundorff, Sandstone
B.A. '40, Gustavus Adolphus College. Field of Concentration: Social Work.

Carol Lutey, Marquette, Mich.
B.S. with distinction '46, University of Minnesota. Field of Concentration: Psychology.

Maralyn Joy Martin, Lakewood, Ohio
B.A. '47, Ohio Wesleyan University. Field of Concentration: Psychology.

Jane McConn Mathers, Van Nuys,
Calif.
B.A. '37, Cornell College. Field of Concentration: Social Work.

William McIntosh, St. Paul
B.A. '42, Rust College. Field of Concentration: International Relations.

Eugene Adam Mielcarek, Minneapolis
B.A. '42, West Texas State Teachers College. Field of Concentration: Political Science.

Marian Elizabeth Miner, Vermont,
Ill.
B.A. '42, Knox College. Field of Concentration: Social Work.

John Burton Nelson, Lake Crystal
B.S. '47, Mankato State Teachers College. Field of Concentration: Educational Administration.

John David Nuzum, Clarksburg,
W.Va.
B.S. '41, West Virginia University. Field of Concentration: Industrial Education.

Michael Graham O'Brien, Minneapolis
B.A. '38, University of Notre Dame. Field of Concentration: English.

Grace Darke O'Keefe, Salt Lake City,
Utah
B.S. '41, University of California. Field of Concentration: Child Welfare.

Norman Otis Olson, St. James
B.A. cum laude '43, St. Olaf College. Field of Concentration: Business Administration.

Marlys Plinke Owen, Minneapolis
B.A. '46, Union College. Field of Concentration: English.

Raymond Lester Palm, Minneapolis
B.S. '45, University of Minnesota. Field of Concentration: Curriculum and Instruction.

Walter Brewster Parsons, Eagle
Grove, Ia.
B.S. cum laude '44, Harvard College. Field of Concentration: Economics.

William Blake Patton, Hopkins
B.S. in Law '43, University of Minnesota. Field of Concentration: Economics.

Donald Benjamin Paulsen, Minneapolis
B.A. '47, Yale College. Major: English. Minor: English Composition. Thesis: A Study of Three Categories of Technique in Thomas Hardy's Poetry.

Elizabeth Koalska Piccard, Minneapolis
B.A. cum laude '45, University of Minnesota. Field of Concentration: Social Work.

Earl Sherman Pollack, Duluth
B.S. '47, University of Minnesota. Field of Concentration: Statistics.

Armin Fred Rauschke, Mankato
B.A. '32, Nebraska State Teachers College. Field of Concentration: Curriculum and Instruction.

Paul Albert Ravenscraft, Ogilvie
B.A. '46, University of Minnesota. Field of Concentration: Social Work.

William Gerald Rector, Minneapolis
B.A. '40, Dakota Wesleyan University. Field of Concentration: History.

James Paul Roers, Minneapolis
B.A. '47, University of Minnesota. Field of Concentration: American Studies.

Cathrine Andrea Rosness, St. Paul
B.A. '37, Hamline University. Field of Concentration: Social Work.

Vivian Margaret Ryan, Minneapolis
B.S. '42, University of Minnesota. Field of Concentration: Education.

Ray Wallace Smith, Minneapolis
B.A. cum laude '37, Hamline University. Field of Concentration: American Studies.

Cuthbert Gregory Soukup, Collegeville
B.A. '37, St. John's University. Major: Speech. Minor: English. Thesis: The Public Speaking of Archbishop John Ireland.

Margaret Ayling Stanchfield, St. Paul
B.A. '30, Macalester College. Field of Concentration: Social Work.

Willard Oetive Stibal, St. Cloud
B.E. '39, St. Cloud State Teachers College. Field of Concentration: Educational Administration.

Jack Stieber, Newark, N.J.
B.S.S. '40, College of the City of New York. Major: Economics. Minor: Psychology. Thesis: Operation of the Minnesota State Labor Relations Act.

Raphael Guido Thuente, St. Paul
B.A. '37, St. John's University. Field of Concentration: Educational Administration.

Agnes Rude Tormoen, Duluth
B.E. '31, Superior State Teachers College. Field of Concentration: Curriculum and Instruction.

Brent Talbot Upson, Minneapolis
B.A. '47, University of Michigan. Field of Concentration: Economics.

Kathryn Marie Weesner, Graceville
B.S. with distinction '45, University of Minnesota. Field of Concentration: Home Economics.

Gerald Willen, Minneapolis
B.A. '38, Johns Hopkins University. Major: English. Minor: English Composition. Thesis: F. Scott Fitzgerald and the American Dream.

Earl James Willie, Kannapolis, N.C.
B.S. '40, Hampton Institute. Field of Concentration: Industrial Education.

Donald Charles Wilson, St. Paul
B.A. '37, Hamline University. Field of Concentration: Social Work.

Raymond Chung Kuang Wu, Canton, China
B.A. '37, University of Japan; B.J. '46, University of Missouri. Major: Journalism. Minor: Political Science. Thesis: Information Policy and Propaganda Operations of the Kuomintang of China.

Master of Business Administration

Richard Charles Brewer, New Brighton
B.A. '46, University of Washington. Field of Concentration: Business Administration.

Master of Science

Mian Shamin Ahmed, Baghbanpura, Lahore, Pakistan
B.S. in Agric. '42, Punjab University; B.S. in C.E. '45, Muslim University. Major: Soils. Minor: Agricultural Engineering. Thesis: Relation of Slope to Depth of Top Soil and to Certain Soil Properties.

Warren Randall Beck, Hawley, Pa.
B.S. '42, Pennsylvania State College. Major: Geology. Minor: Inorganic Chemistry. Thesis: A Study of High Titania-Baria Glasses.

Joel Bitman, Newark, N.J.
B.A. '46, Cornell University. Major: Physiological Chemistry. Minor: Physiology. Thesis: A Study of the Barium Chloride Hydrolysis of the Conjugated 17-Ketosteroids of Normal Male Urine.

Walter Thomas Bjraker, Owatonna
B.S. '42, University of Minnesota. Field of
Concentration: Agricultural Education.

Michael G. Boosalis, Minneapolis
B.S. '41, University of Minnesota. Major:
Plant Pathology. Minor: Botany. Thesis:
Studies on the Parasitism of *Rhizoctonia*
solani Kuhn on Soybeans.

Yu-Chung Chang, Changchow,
Kiangsu, China
B.S. '43, National Southwest Associated Uni-
versity. Major: Pharmaceutical Chemistry.
Minor: Inorganic Chemistry. Thesis: The
Antioxidant Effect of 2, 2', 3, 3' - Tetra-
hydroxy - 5, 5' - Dimethyl Biphenyl.

Tung-Fang Chao, Shantung, China
B.S. '42, Shengsi National Northwestern Col-
lege of Agriculture. Field of Concentration:
Horticulture.

Said Moustafa Dissouky, Cairo, Egypt
B.Sc. '43, Fouad I University. Field of Con-
centration: Plant Genetics.

Donald Leon Drukey, Minneapolis
B.Ch.E. with distinction '43, University of
Minnesota. Major: Physics. Minor: Mathe-
matics. Thesis: Radiation from a Uniformly
Accelerated Electron.

Hussein Fahmy El-Issawi, Alexandria,
Egypt
B.S. '44, University of Cairo. Field of Con-
centration: Animal Husbandry.

Salman Faik, Baghdad, Iraq
M.D. '33, Baghdad Royal College of Medi-
cine. Major: Experimental Surgery. Minor:
Surgical Pathology. Thesis: The Effects of
Vagotomy on Intestinal Motility.

Carlos Barbosa Gomez, Guadalajara,
Jalisco, Mexico
Ing. Agronomo '43, Escuela Nacional de Ag-
ricultura. Major: Plant Pathology. Minor: Ag-
ronomy. Thesis: A Study of Mexican Leaf
Rust of Wheat Made at the University of
Minnesota.

Erick Yngve Hakanson, South
St. Paul
B.S. '43, M.D. '45, University of Minnesota.
Major: Physiological Chemistry. Minor: Ob-
stetrics and Gynecology. Thesis: Hyaluronidase
Inhibition by Serum in Human Cancer.

David K. Hartman, Reno, Nev.
B.S. in E.E. '40, B.A. '41, University of
Nevada. Field of Concentration: Physics.

Jean McAllister Hartman, Saratoga
Springs, N.Y.
B.A. *magna cum laude* '43, New York State
College for Teachers. Field of Concentration:
Mathematics.

Ruth Elaine Hodgson, St. Paul
B.S. '46, University of Minnesota. Major:
Anatomy. Minor: Pathology. Thesis: Giant
Cells of the Bone Marrow.

Mary Johnson, Edmonton, Alberta,
Canada
B.Sc. '45, University of Alberta. Major:
Physics. Minor: Mathematics. Thesis: Electron
Collision in Gases.

Charles Norman Kelber, Minneapolis
B.A. *summa cum laude* '47, University of
Minnesota. Major: Physics. Minor: Mathe-
matics. Thesis: The Discrete Subgroups of
the Inhomogeneous Lorentz Group.

Forrest Byron Lee, Verndale
B.S. '42, St. Cloud State Teachers College.
Major: Entomology. Minor: Botany. Thesis:
A Comparison of Bird Occurrence and Activity
in Two Climax Forests at Itasca Park, Min-
nesota.

Arthur Levy, Richmond Hill, N.Y.
B.S. '43, Queens College. Major: Physical
Chemistry. Minor: Chemical Engineering.
Thesis: A Kinetic Study of the Reactions of
the Cobaltbromopentamine Ion.

Chia-Chi Li, Tientsin, China
M.D. '43, National Central University. Major:
Anatomy. Minor: Pathology. Thesis: The
Origin of the Ascending Pathways from the
Lumbo-Sacral Intumescence of the Rat.

J. Walters McCarty, Terre Haute,
Ind.
B.S. '47, South Dakota State College of Ag-
riculture and Mechanic Arts. Field of Con-
centration: Animal Husbandry.

Arthur Bruno Michael, Chilton, Wis.
B.S. in Met.E. '44, University of Wisconsin.
Major: Metallurgy. Minor: Physical Chem-
istry. Thesis: Alloying Iron Powder.

Syed Nezamuddin, Gaya, Bihar, India
B.Sc. '44, Agra University. Field of Concen-
tration: Agronomy.

Robert Edward Olson, Hector
B.A. '43, Gustavus Adolphus College. Field
of Concentration: Agricultural Economics.

Akira Omachi, Minneapolis
B.A. '44, University of Buffalo. Major: Physiology. Minor: Physiological Chemistry. Thesis: Some Observations on the Response of Striated Muscle to Indirect and Direct Stimulation During Prolonged Repetitive Direct Stimulation.

John Forrester Pelton, Los Angeles, Calif.

B.S. '45, University of California. Major: Botany. Minor: Soils. Thesis: Relation of Size and Vigor of Porcupine Grass, *Stipa spartea* Trin., to Survival from Defoliation.

Albert Aloysius Piringer, Jr., St. Paul
B.S. with distinction '47, University of Minnesota. Major: Horticulture. Minor: Plant Pathology. Thesis: A Study of Light Intensity in the Haralson Apple Tree Head.

Robert Milo Porter, Roseburg, Ore.
B.S. '43, Oregon State College. Major: Dairy Husbandry. Minor: Physiology. Thesis: Isolation of Immune Lactoglobulin from Colostrum and Milk and Tube Agglutination Studies with the Immune Lactoglobulin.

Erwin Edwin Retzlaff, Morris
B.E.E. '44, University of Minnesota. Field of Concentration: Mathematics and Mechanics.

Ithel Arie Schipper, Wayzata
B.S. '46, University of Minnesota. Field of Concentration: Dairy Husbandry.

Virginia Ruth Scholljegerdes, Waseca
B.S. '46, University of Minnesota. Major: Bacteriology. Minor: Pathology. Thesis: A Preliminary Study of Host Cell-Virus Interaction in Embryonated Eggs.

Vernon Lyle Sorenson, LeRoy
B.S. with distinction '48, University of Minnesota. Field of Concentration: Agricultural Economics.

Ching-hsi Tsao, Peiping, China
B.S. '40, National University of Chekiang. Major: Entomology. Minor: Forestry. Thesis: The Effect of Different Host Species on the Oviposition and Larval Survival of the Introduced Pine Sawfly, *Diprion simile* (Hartig).

Jack Harry Wernick, St. Paul
B.Met.E. '47, University of Minnesota. Field of Concentration: Metallurgy.

Irene Hazle Wood, Minneapolis
B.S. '42, University of Minnesota. Major: Home Economics Education. Minors: Home Economics and Public Health. Thesis: Development and Administration of Health Knowledge Tests for Grades 7-9 and an Opinionaire for Parents Regarding What Should Be Taught.

Marion Blanche Wood, Denver, Colo.
B.A. '46, University of Colorado. Field of Concentration: Physics.

Leo Sterling Wortman, Jr., Fort Worth, Tex.
B.S. with high distinction '43, Oklahoma A. & M. College. Major: Plant Genetics. Minor: Plant Pathology. Thesis: The Effect of Seed Corn Injury Upon Cold Test Performance.

Master of Science in Aeronautical Engineering

Kenneth Gale Anderson, Rosemount
B.S. in Eng. '45, California Institute of Technology. Major: Aeronautical Engineering. Minor: Mathematics. Thesis: Limitation of the Small Perturbation Theory in the Determination of Critical Mach Number in Two Dimensional Flow.

Richard Vern DeLeo, Rosemount
B.Aero.E. '46, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Fred Robert Holford, St. Paul
B.Aero.E. '44, University of Minnesota. Field of Concentration: Aeronautical Engineering.

John Italo Orlando, Toronto, Canada
B.A.Sc. '44, University of Toronto. Field of Concentration: Aeronautical Engineering.

Frank David Werner, Rosemount
B.S. '43, Kansas State College. Major: Aeronautical Engineering. Minor: Electrical Engineering. Thesis: Investigation of the Possible Utilization of an Electrical Glow Discharge as a Means for Measuring Air Flow Characteristics.

Fred Robert Youngren, Cloquet
B.Aero.E. '44, University of Minnesota. Field of Concentration: Aeronautical Engineering.

Master of Science in Chemical Engineering

Robert Andrew Boller, Faulkton,
S.D.

B.Ch.E. with high distinction '45, University of Minnesota. Major: Chemical Engineering. Minor: Mathematics. Thesis: A Study of Dehydration Processes of Emulsified Oil Resulting from the Preservative Treatment of Green Pine Timber.

Glen Allan Fevig, Moorhead

B.Ch.E. with distinction '45, University of Minnesota. Major: Chemical Engineering. Minor: Business Administration. Thesis: Distillation Properties of Aqueous Formaldehyde Solutions.

Francis John Lavacot, St. Paul

B.Ch.E. with distinction '46, University of Minnesota. Major: Chemical Engineering. Minor: Organic Chemistry. Thesis: Drop Formation from Nozzles in Liquid-Liquid Systems.

John Joseph Maucieri, Philadelphia,
Pa.

B.Ch.E. '40, Villanova College. Major: Chemical Engineering. Minor: Physical Chemistry. Thesis: Ion Exchange Rates in Column Operation: The Calcium-Hydrogen Cycle.

Master of Science in Civil Engineering

Syed Bahadur Ali, Hyderabad Decca,
India

B.E. '40, Osmania Engineering College. Field of Concentration: Civil Engineering.

June Brevdy, Cheyenne, Wyo.

B.C.E. '47, University of Wyoming. Major: Civil Engineering. Minor: Mathematics. Thesis: Flow of Water through Lead Shot Mixtures.

Henry Madison Morris, Jr., Houston,
Tex.

B.S.C.E. with distinction '39, Rice Institute. Field of Concentration: Civil Engineering.

Hsien-Jen Teng, Hupeh, China

Bach. of Eng. '35, National Wu-Han University. Field of Concentration: Civil Engineering.

Master of Science in Electrical Engineering

Walter Leonard Anderson, St. Paul

B.E.E. with distinction '44, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Study of the Multivibrator.

Kenneth Cordon Coon, Buffalo, N.D.

B.S.E.E. '44, Illinois Institute of Technology. Major: Electrical Engineering. Minor: Mathematics. Thesis: Propagation of Vertically Polarized Waves.

Kimball Curtis Cummings, Minne-
apolis

B.E.E. '44, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: Gap Conductivity Characteristics of Silver Contacts.

Harvey Arnold Miller, Minneapolis

B.E.E. with distinction '44, University of Minnesota. Major: Electrical Engineering. Minor: Mathematics. Thesis: A Problem in Precision Frequency Measurement at Audio Frequencies.

Master of Science in Mechanical Engineering

Forrest Roderick Grimm, Minne-
apolis

B.M.E. '44, University of Minnesota. Field of Concentration: Mechanical Engineering.

David Alexander Laurie, Minneapolis

B.Aero.E. with high distinction '47, University of Minnesota. Field of Concentration: Mechanical Engineering.

Master of Science in Anesthesiology

John Robert Peterson, Milwaukee,
Wis.

M.D. '39, Marquette University. Major: Anesthesiology. Minor: Physiology. Thesis: I—The Effect of Certain Vehicles on the Duration of Local Anesthesia with Procaine. II—The Effect of Hyperthyroidism on the Duration of Local Anesthesia with Procaine.

Master of Science in Dermatology and Syphilology

John Julius Sevenants, Shakopee

B.S. '36, North Dakota State College; M.D. '42, University of Minnesota. Major: Dermatology and Syphilology. Minor: Pathology. Thesis: Superficial Epitheliomatosis.

Master of Science in Medicine

John Munroe Douglas, Davidson,
N.C.

M.D. '39, Duke University. Major: Medicine. Minor: Pathologic Anatomy. Thesis: A Study of the Pulmonary Arterioles in Persistent Patent Ductus Arteriosus.

Dale Groom, Lakewood, Ohio

B.A. '36, Hiram College; M.D. '43, Medical College of Virginia. Major: Medicine. Minor: Physiology. Thesis: An Instrument for Instantaneous and Continuous Determination of Oxygen Saturation of Whole Blood and Its Application to Diagnostic Cardiac Catheterization.

C. Ferrill Hamilton, Jefferson, Ia.

B.A. '36, State University of Iowa; M.D. '40, St. Louis University. Major: Medicine. Minor: Physiology. Thesis: Radioactive Iodocasein: Its Action, Fate and Distribution in the Human.

Bernard Leo Kreilkamp, Princeton,
Wis.

B.S. with distinction '37, M.S. '38, M.D. '42, University of Minnesota. Major: Medicine. Minor: Pathologic Anatomy. Thesis: Effect of Irradiation of the Thymus in Myasthenia Gravis.

Thomas Joseph Luellen, Newton,
Kan.

B.S. '39, M.D. '41, University of Kansas. Major: Medicine. Minor: Physiology. Thesis: In Vivo Measurement of the Relative Rate of Uptake of Radioactive Iodine in Various Types of Human Thyroid Glands.

William McConnell McConahey, Jr.,
Sharon, Pa.

B.A. '38, Washington and Jefferson University; M.D. '42, Harvard College. Major: Medicine. Minor: Physiology. Thesis: The Behavior of Radioiodine in the Blood in Various Thyroid States.

John Lloyd Morgan, Emporia, Kan.

B.A. '36, University of Kansas; M.D. '40, University of Pennsylvania. Major: Medicine. Minor: Pathology. Thesis: Changes in the Coagulation Time of Whole Blood in the Postoperative Period as Measured in Silicone Coated Tubes.

Richard Marion Nay, Muncie, Ind.

B.S. '36, M.D. '38, Indiana University. Major: Medicine. Minor: Pathology. Thesis: Incidence of Embolic or Thrombotic Processes during the Immediate Convalescence from Acute Myocardial Infarction.

Thomas William Parkin, Lincoln,
Neb.

B.A. '41, Nebraska Wesleyan University; M.D. '45, Northwestern University. Major: Medicine. Minor: Physiology. Thesis: Neutralization of Heparin with Protamine (Salmine).

Ernest Leonard Posey, Jr., Jackson,
Miss.

B.A. '40, Mississippi College; M.D. '44, Tulane University. Major: Medicine. Minor: Physiology. Thesis: Studies of Normal and Abnormal Human Intestinal Motility. Attempts to Alter Human Intestinal Motility by Drugs Administered Orally.

Donald Everett Ralston, Rockford,
Ill.

B.S. '35, University of Chicago; M.D. '39,
Rush Medical College. Major: Medicine.
Minor: Pathologic Anatomy. Thesis: A Clinical
Analysis of Thirty Cases of Periarthritis
Nodosa with Pathologic Study of the Kidneys.

Robert Maurice Salassa, Logansport,
Ind.

B.S. '37, M.D. '39, Indiana University. Major:
Medicine. Minor: Physiology. Thesis: The Effect
of Para-aminobenzoic Acid on the Metabolism
and Excretion of Salicylate.

Sydney Jerald Weisman, Minneapolis

B.S. '37, M.D. '40, M.S. '41, University of
Minnesota. Major: Medicine. Minor: Pathology.
Thesis: The Effect of the Peripheral
Circulation of Histidine and Vitamine C and
of Ether.

Master of Science in Neurology

Frederick Mosier Stark, St. Paul

B.A. '36, Yale University; M.D. '41, University
of Minnesota. Major: Neurology. Minor:
Pathology. Thesis: Changes in the Hypophysis
Associated with Dysfunctions of Other Endocrine
Glands.

Master of Science in Obstetrics and Gynecology

Robert Warren Brandes, Jordan

B.S. '37, M.D. '42, University of Minnesota.
Major: Obstetrics and Gynecology. Minor:
Surgical Pathology. Thesis: Pregnancy Complicated
by Thyroid Disease Amenable to
Surgical Treatment. A Clinical and Pathological
Study.

Master of Science in Ophthalmology

Robert William Hollenhorst,
St. Cloud

B.S. '40, M.D. '41, University of Minnesota.
Major: Ophthalmology. Minor: Pathology.
Thesis: The Ocular Fundi Before and After
Sympathectomy for Hypertensive Cardiovascular
Disease.

Jack Bennett Lee, San Antonio, Tex.

B.A. '34, M.D. '38, University of Texas.
Major: Ophthalmology. Minor: Pathology.
Thesis: Hereditary Nuclear Cataract.

Theodore Glenn Martens, Rochester,
N.Y.

B.A. '38, Colgate University; M.D. '43, University
of Rochester. Major: Ophthalmology.
Minor: Pathology. Thesis: Epitheliomata of
the Corneal Limbus.

John Hartley Peterson, Duluth

B.S. '30, M.D. '33, University of Minnesota.
Major: Ophthalmology. Minor: Anatomy.
Thesis: The Effect of Glare on the Accommodation
Near Point.

John Prentice Wendland, Minneapolis

B.S. '39, M.D. '41, University of Nebraska.
Major: Ophthalmology. Minor: Anatomy.
Thesis: Effect of Muscular Exercise on Dark
Adaptation.

Master of Science in Orthopedic Surgery

John Charles Feuling, Minneapolis
B.S. '28, M.D. '31, University of Minnesota.
Major: Orthopedic Surgery. Minor: Anatomy.
Thesis: Fracture Dislocation of the Carpal
Bones.

John Cyrus Ivins, Crawford, Neb.
B.S. '39, M.D. '39, University of Nebraska.
Major: Orthopedic Surgery. Minor: Surgical
Pathology. Thesis: Fibrosarcoma of the Soft
Tissues of the Extremities.

Master of Science in Pathology

David Carl Dahlin, Centerville, S.D.
B.S. '38, University of South Dakota; M.D.
'40, Rush Medical College. Major: Pathology.
Minor: Surgical Pathology. Thesis: Amy-
loidosis.

Sylvia Maury Johns, San Antonio,
Tex.

B.A. '35, M.D. '44, University of Texas.
Major: Pathology. Minor: Clinical Pathology.
Thesis: A Study of Hurthle Cell Carcinoma.

Lewis Benjamin Woolner, Halifax,
Nova Scotia

M.D.C.M. '42, Dalhousie University. Major:
Pathology. Minor: Clinical Pathology. Thesis:
Carcinoma Cells in Sputum and Bronchial
Secretions.

Master of Science in Pediatrics

Robert Waterman Collett, Welling-
ton, Kan.

B.A. '42, M.D. '44, University of Kansas.
Major: Pediatrics. Minor: Pathology. Thesis:
Persistent Truncus Arteriosus: A Classification
According to Anatomic Types.

Ruth O'Neal, Dunn, N.C.

B.A. '38, Transylvania University; M.D. '43,
Medical College of Virginia. Major: Pediatrics.
Minor: Pathology. Thesis: The Diagnosis of
Cystic Fibrosis of the Pancreas.

Master of Science in Physical Medicine

Donald Johan Erickson, Denver,
Colo.

B.A. '36, University of Denver; M.D. '40,
University of Colorado. Major: Physical Medi-
cine. Minor: Physiology. Thesis: A Histo-
pathological Study of the Effects of Hypo-
thermic Applications on the Trunk in Experi-
mental Animals.

Master of Science in Plastic Surgery

Hunter Sheppard Jackson, Richmond,
Va.

B.S. '39, University of Richmond; M.D. '42,
Medical College of Virginia. Major: Plastic
Surgery. Minor: Surgical Pathology. Thesis:
Carcinoma of the Buccal Mucosa: A Study of
107 Consecutive Cases.

Master of Science in Proctology

Philip Andrew Anderson, Minneapolis
B.A. '26, B.S. '26, M.D. '29, University of
Minnesota. Major: Proctology. Minor: Path-
ology. Thesis: Leiomyomas and Leiomyo-
sarcomas of the Rectum.

Wallace Martin Meyer, Rochester
B.S. '35, M.D. '41, University of Minnesota.
Major: Proctology. Minor: Surgical Pathology.
Thesis: Lymphoblastoma of the Anus and
Rectum.

Master of Science in Radiology

Frank Henry Marek, Seymour, Tex.
B.S. '36, North Texas State Teachers College;
M.D. '40, Tulane University. Major: Radiology.
Minor: Surgical Pathology. Thesis: Ovarian
Dermoid Cysts: Their Roentgenologic Pic-
ture Correlated with Their Pathology.

Master of Science in Surgery

Russell Edward Anderson, Jamestown,
N.Y.
B.A. '35, M.D. '39, Syracuse University.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Incarcerated and Strangulated Umbil-
ical Hernias: A Clinical and Pathological
Study.

William Francis Ashley, Cicero, Ill.
B.S. '43, M.D. '43, University of Illinois.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Surgical Echinococcus Disease.

Frederick William Braastad,
Ishpeming, Mich.
M.D. '40, University of Michigan. Major:
Surgery. Minor: Surgical Pathology. Thesis:
Infectious Granulomas of the Specific Nature
Affecting the Appendix.

Kenneth Bortner Brillhart, Roche
Harbor, Wash.
B.S. '36, University of Washington; M.D. '40,
University of Oregon. Major: Surgery. Minor:
Surgical Pathology. Thesis: Strangulated In-
guinal Hernia.

Charles Urness Culmer, Minneapolis
B.A. '32, Lawrence College; M.S. '37, M.D.
'40, Ph.D. '40, Northwestern University.
Major: Surgery. Minor: Physiology. Thesis:
Disability Following Gastric Resection for
"Peptic" Ulcer.

Arthur Edward Gramse, Holyoke,
Mass.
B.A. '37, Yale College; M.D. '42, University
of Maryland. Major: Surgery. Minor: Sur-
gical Pathology. Thesis: False Diverticula of
the Appendix, a Sequel of Previous Inflam-
mation and Rupture of the Appendix—A
Clinical and Pathological Study.

James Richard Hoon, Pittsburgh, Pa.
B.S. '40, M.D. '40, University of Pittsburgh.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Ileocecal Tuberculosis, Including a
Comparison of Intestinal Tuberculosis, Non-
Specific Regional Enterocolitis, and Intestinal
Sarcoidosis.

Frederick Joseph McCready, Jamaica
Plain, Mass.
B.A. '39, Boston College; M.D. '43, Tufts
Medical School. Major: Surgery. Minor: Sur-
gical Pathology. Thesis: The Involvement of
the Ileum in Chronic Ulcerative Colitis.

Paul Edward McGuff, Indianapolis,
Ind.
B.S. '38, M.D. '44, Indiana University. Major:
Surgery. Minor: Surgical Pathology. Thesis:
Endometriosis as a Cause of Partial or Com-
plete Bowel Obstruction.

William Coleman Pratt, Muskogee,
Okla.
B.A. '33, M.D. '38, Washington University.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Autoradiography.

Hawley Howard Seiler, Kaunakakai
Molokai, Hawaii

B.A. '33, Duke University; M.D. '37, Medical
College of Virginia. Major: Surgery. Minor:
Surgical Pathology. Thesis: Pulmonary Resec-
tion for Metastatic Malignancy.

David Berkeley Stark, Toronto,
Ontario, Canada

M.D. '43, University of Toronto. Major: Sur-
gery. Minor: Pathology. Thesis: Amyloid
Tumors of the Larynx, Trachea, and Bronchi.

Jacob Harold Strickler, Brainerd

B.S. '39, M.D. '42, University of Minnesota.
Major: Surgery. Minor: Pathology. Thesis: A
Study of the Non-operative Decompression of
the Intestinal Distention of Bowel Obstruc-
tion and Related Diseases.

Edmund Rhett Taylor, Chapel Hill,
N.C.

B.A. '37, University of North Carolina; M.D.
'41, Johns Hopkins University. Major: Sur-
gery. Minor: Surgical Pathology. Thesis: A
Study of the Prognosis of Carcinoma of the
Colon Adherent to the Urinary Bladder.

Robert William Utendorfer, Minne-
apolis

M.D. '38, Northwestern University. Major:
Surgery. Minor: Pathology. Thesis: Failure
of Rectal Distention to Influence the Resis-
tance of the Sphincter of Oddi on the Human.

James McCrory Wilson, South Bend,
Ind.

B.S. '39, M.D. '43, University of Colorado.
Major: Surgery. Minor: Surgical Pathology.
Thesis: Hydrops of the Gallbladder: A Clin-
ical and Pathological Study.

Master of Science in Urology

Carl Ludwig Biorn, Jackson

B.S. '37, M.D. '38, University of Minnesota.
Major: Urology. Minor: Surgical Pathology.
Thesis: Prostatitis Accompanying Adenomatous
Hyperplasia of the Prostate: Its Relationship
to Complications Following Transurethral Re-
section.

COLLEGE OF MEDICAL SCIENCES

Doctor of Medicine*

Edward Patrick Engels, B.S., M.B.,
Rochester

Philip Young Paterson, B.S., M.B.,
Minneapolis

William Bachrach Weil, Jr., B.A.,
B.S., M.B., St. Louis Park

Delbert Frederick Wichelman, B.A.,
B.S., M.B., Gibbon

GRADUATE SCHOOL

Doctor of Philosophy

Lyman Thomas Aldrich, Minneapolis
B.A. '39, M.A. '46, University of Minnesota.
Major: Physics. Minor: Mathematics. Thesis:
The Occurrence of Helium-3 in Natural
Sources of Helium. Major Adviser: Prof.
A. O. C. Nier.

Eldon August Behr, Memphis, Tenn.
B.S. with high distinction '40, University of
Minnesota. Majors: Agricultural Biochemistry
and Forestry. Minor: Plant Pathology. Thesis:
Studies on Passage of Liquids and Dissolved
Materials through Wood under Pressure and
Diffusion Gradients. Major Advisers: Profs.
D. R. Briggs and Henry Schmitz.

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

Gerald Saxon Brown, Ann Arbor,
Mich.

B.A. '32, M.A. '37, Acadia University. Major: History. Minor: Political Science. Thesis: The Policy of Lord George Germain toward the American Revolution, 1775-1778. Major Adviser: Prof. A. L. Burt.

Helene Paine Brumfield, Minneapolis
B.A. '20, Colorado College. Major: Bacteriology. Minor: Zoology. Thesis: A Study of Serological Tests for Poliomyelitis. Major Adviser: Prof. H. O. Halvorson.

Robert Callis, Grand Tower, Ill.

B.Ed. '42, Southern Illinois State Normal University; M.A. '46, University of Minnesota. Major: Educational Psychology. Minor: Psychology. Thesis: Change in Teacher-Pupil Attitudes Related to Training and Experience. Major Adviser: Prof. W. W. Cook.

Walter Patton Cotton, Raleigh, N.C.
B.S. '32, M.S. '33, University of Tennessee. Major: Agricultural Economics. Minor: Economics. Thesis: A Study of an Economic Adjustment of Market Milk Supplies to Needs in North Carolina. Major Adviser: Prof. O. B. Jesness.

John Nelson Cummings, St. Paul

B.S. '38, M.S. '39, Montana State College. Major: Animal Husbandry. Minor: Plant Genetics. Thesis: A Study of Factors Related to Carcass Yields in Swine. Major Adviser: Prof. L. M. Winters.

Paul Lewis Earle, St. Paul

B.Ch.E. '38, M.S. in Ch.E. '39, University of Minnesota. Major: Chemical Engineering. Minor: Mechanical Engineering. Thesis: Studies in the Drying of Macaroni: Factors Effecting Checking. Major Adviser: Prof. N. H. Ceaglske.

Otto Charles Elmer, Minneapolis

B.A. '43, Bluffton College. Major: Organic Chemistry. Minor: Physiological Chemistry. Thesis: The Mechanism of Decarboxylation of α,β - and β,γ -Unsaturated Acids. Major Adviser: Prof. R. M. Dodson.

Robert George Fischer, St. Paul

B.A. '42, M.S. '47, University of Minnesota. Major: Bacteriology. Minor: Zoology. Thesis: Studies on Infectious Rabbit Papillomatosis. Major Advisers: Dr. R. G. Green and Prof. H. O. Halvorson.

Wilson Hoover Foote, Nephi, Utah

B.S. '42, Utah State Agricultural College; M.S. '46, University of Minnesota. Major: Plant Genetics. Minor: Plant Pathology. Thesis: A Study of the Inheritance of the Stem Rust Reaction in Oats. Major Adviser: Prof. H. K. Hayes.

Elvin Frank Frolik, Lincoln, Neb.

B.S. '30, M.S. '32, University of Nebraska. Major: Plant Genetics. Minor: Botany. Thesis: Chromosome Segregation in Maize Translocations from X-rayed Material and in Crosses Producing Rings of Six Chromosomes. Major Adviser: Prof. C. R. Burnham.

Albert Isaac Gordon, New York, N.Y.

B.A. '27, New York University; M.A. '38, University of Minnesota. Major: Anthropology. Minor: Sociology. Thesis: The Jews of Minneapolis: A Study in Acculturation. Major Adviser: Prof. W. D. Wallis.

Merrill Jesse Hendrickson, Austin

B.S. '37, Nebraska State Teachers College. Major: Botany. Minor: Agricultural Biochemistry. Thesis: Studies in the Lipid Metabolism of the Higher Green Plant: The Chlorophyll Sensitized Photo-Oxidation of Unsaturated Fatty Acid Esters. Major Advisers: Profs. A. H. Brown and W. O. Lundberg.

Donovan A. Johnson, Minneapolis

B.S. cum laude '31, M.A. '33, University of Minnesota. Major: Education. Minor: Mathematics. Thesis: An Experimental Study of the Relative Effectiveness of Certain Visual Aids in Teaching Geometry. Major Adviser: Prof. P. O. Johnson.

John Frederick Johnson, Minneapolis

B.Ch.E. with honors '42, University of Minnesota. Major: Chemical Engineering. Minor: Bacteriology. Thesis: Energy-New Surface Relationship in the Crushing of Solids. III—Application of Gas Absorption Measurements to an Investigation of the Crushing of Quartz. Major Adviser: Prof. E. L. Piret.

Robert Edward King, Zanesville, Ohio

B.S. cum laude '44, Ohio State University. Major: Pharmaceutical Chemistry. Minor: Pharmacology. Thesis: The Development of New Procedures for the Separation and Purification of the Active Principles from the Fresh Leaves of *Digitalis Purpurea*. Major Adviser: Prof. Ole Gisvold.

Garland Dean Kyle, Morristown,
Tenn.

B.A. '31, University of Toledo; M.A. '36, Ohio State University; M.S. '40, University of Michigan. Major: Education. Minor: Statistics and Mathematics. Thesis: Contributions to the Theory of Multivariate Statistical Analysis with Some Special Applications to Studies of Differential Abilities in College Mathematics. Major Adviser: Prof. P. O. Johnson.

Edward Peter Lana, Ames, Ia.

B.S. '42, M.S. '43, University of Minnesota. Major: Horticulture. Minor: Botany. Thesis: A Study of Reciprocal Crosses in *Cucurbita maxima*. Major Advisers: Profs. F. A. Krantz and A. E. Hutchins.

G. Theodore Mitau, St. Paul

B.A. magna cum laude '40, Macalester College; M.A. '42, University of Minnesota. Major: Political Science. Minors: Philosophy of Education and Philosophy. Thesis: The Political Thought of James Bryce and Its Reflection in American Political Science: 1888 to 1938. Major Adviser: Prof. William Anderson.

James Findley Nickerson, Lawrence,
Kan.

B.S. '32, Nebraska Wesleyan University; M.A. '40, Columbia University Teachers College. Major: Educational Psychology. Minor: Education. Thesis: A Comparison of Performances of the Same Melody Played in Solo and in Ensemble with Reference to Equi-tempered, Just, and Pythagorean Intonations. Major Adviser: Prof. M. A. Tinker.

Loren David Potter, Fargo, N.D.

B.S. '40, North Dakota Agricultural College; M.A. '46, Oberlin College. Major: Botany. Minor: Zoology. Thesis: Comparative Seedling Characteristics of Standard Crested Wheatgrass (*Agropyron cristatum* (L.) Gaertn.) and Russian Wild-Rye (*Elymus junceus* Fisch.). Major Adviser: Prof. D. B. Lawrence.

Morris Rockstein, New York, N.Y.

B.A. magna cum laude '38, Brooklyn College; M.A. '41, Columbia University. Major: Entomology. Minor: Agricultural Biochemistry. Thesis: The Relation of Cholinesterase Activity to Change in Cell Number with Age in the Brain of the Worker Honeybee. Major Adviser: Prof. A. G. Richards.

Jay Howard Sautter, Canton, Ohio

D.V.M. '44, Ohio State University. Major: Veterinary Medicine. Minor: Pathology. Thesis: Experimental Histomoniasis (Infectious Enterohepatitis) of Turkeys with Special Reference to Chemotherapy. Major Advisers: Profs. M. H. Roepke and B. S. Pomeroy.

Rudolf Mathias Schuster, Minneapolis

B.S. '45, M.S. '46, Cornell University. Major: Entomology. Minor: Botany. Thesis: A Preliminary Revision of the Genus *Ephuta* (Mutillidae) in America North of Mexico. Major Adviser: Prof. C. E. Mickel.

Boyd Verne Sheets, Salt Lake City,
Utah

B.A. '40, M.A. '41, University of Utah. Major: Speech Pathology. Minor: Anatomy. Thesis: A Comparative Study of a Flat Frequency Response Pattern and High-Tone Emphasis Patterns in a Commercial Hearing Aid. Major Adviser: Prof. Bryng Bryngelson.

Sister Teresita Judd, St. Paul

B.A. summa cum laude '37, M.A. '40, University of Minnesota. Major: Anatomy. Minor: Pathology. Thesis: A Comparative Study of the Effects of Certain Chemical and Physical Agents on Mouse Leukemia. Major Adviser: Prof. Arthur Kirschbaum.

Morris N. Teller, Brooklyn, N.Y.

B.S. '40, Brooklyn College; M.S. '46, University of Minnesota. Major: Plant Pathology. Minor: Botany. Thesis: Trace Elements in Relation to Fungus and Host Metabolism. Major Advisers: Profs. E. C. Stakman and Helen Hart.

Robert Fencil Wallace, Pullman,
Wash.

B.A. '34, M.A. '38, University of Kansas. Major: Economics. Minor: History. Thesis: Some Implications of Changed Agricultural Industry Liquidity and Agricultural Banking Area Liquidity for National Monetary and Agricultural Policy. Major Adviser: Prof. A. R. Uppgren.

DEPARTMENT OF MILITARY SCIENCE AND TACTICS

Air Force Reserve, Second Lieutenant

John Dacko

Coast Artillery Corps Reserve, Second Lieutenant

James P. Fotia

Infantry Reserve, Second Lieutenant

Robert A. Swanson

Transportation Corps Reserve, Second Lieutenant

James W. Piety

Walter B. Wallin

DEPARTMENT OF NAVAL SCIENCE AND TACTICS

Second Lieutenant, USMC

Mayhlon L. Degernes, Jr.

Ensign, Line, USNR

Jerome D. Gunderson
Robert R. Johnson

Howard A. Rasmussen

Ensign, CECR, USNR

Lawrence J. Wheeler

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, and Home Economics, 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 Accountancy 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 degrees, 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
School of Nursing.....	green
College of Science, Literature, and the Arts.....	white
Institute of Technology.....	orange
College of Agriculture, Forestry, and Home Economics.....	maize
Law School.....	purple
College of Medical Sciences.....	green
College of Pharmacy.....	olive
College of Education.....	light blue
School of Business Administration.....	drab
University College.....	old gold and white