

The University of Minnesota

**CANDIDATES FOR DEGREES
WINTER QUARTER 1923**



THURSDAY, MARCH 22, 1923

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The University of Minnesota

FIFTY-FIRST
ANNUAL COMMENCEMENT
1923



THE UNIVERSITY ARMORY
WEDNESDAY, JUNE TWENTIETH
AT TEN O'CLOCK

ORDER OF EXERCISES

President LOTUS D. COFFMAN, Presiding

PROCESSIONAL

QUINTETTE FROM THE DEPARTMENT OF MUSIC

KARL SCHEURER, Violin ABE PEPINSKY, Viola
VERNA GOLDEN SCOTT, Violin OSCAR KOCH, Cello
CARLYLE SCOTT, Piano

HYMN—"America"

My country! 'tis of thee,
Sweet land of liberty,
Of thee I sing;
Land where my fathers died!
Land of the Pilgrims' pride,
From every mountain side
Let freedom ring!

Our fathers' God! to Thee,
Author of Liberty,
To Thee we sing;
Long may our land be bright
With freedom's holy light;
Protect us by Thy might,
Great God, our King!

COMMENCEMENT ADDRESS—"Liberty under Law"

DAVID KINLEY, Ph.D., LL.D.
President of the University of Illinois

DANCES TO HENRY VIII

German

"Shepherds Dance"
"Morris Dance"

THE UNIVERSITY BAND
MICHAEL JALMA, Director

CONFERRING OF DEGREES

President LOTUS D. COFFMAN, Ph.D., LL.D.

ANNOUNCEMENT OF HONORS AND PRIZES

RECESSIONAL

QUINTETTE FROM THE DEPARTMENT OF MUSIC

[The audience will remain until those in academic costume have left the hall]

The graduates in recessional will adjourn to the Campus Knoll for the following program:

SONG—"Our Commencement Pledge"

Campus halls and campus friends farewell,
On we pass with the great dim throng.
We have come to ask a last God-speed
From the ones we have loved so long.
For the happy fleeting days 'round the campus knoll
All must vanish as we forward aim,
Square of shoulder, clear of eye,
Keeping safe the vision high,
For we'll not forget thee, Minnesota.
Loyalty we pledge thee, Minnesota.
Fair the trust thou givest, Alma Mater; high
Our trust the dear old college name.

THE LOCOMOTIVE

ROMAN A. BOHNEN, Leader

SONG—"Hail, Minnesota"

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

TAPS

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THE COLLEGE OF SCIENCE, LITERATURE,
AND THE ARTS

BACHELOR OF ARTS

summa cum laude

ROBERT KINGSLEY

BACHELORS OF ARTS

magna cum laude

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HARRIET GEORGE
WELLES ALEXANDER GRAY

BRYCE EMERSON LEHMAN
DOROTHY LUTHER
JESSIE RAVITCH

BACHELORS OF ARTS

cum laude

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CLAUS HANSEN CHRISTENSEN
IRENE MARGARET DU LAC
ROBERT G. FULLER
CATHARINE TIRZAH HOWARD
FLORENCE MARIE LEHMANN
ELIZABETH STEWART MANN
EARL LEWIS MICKELSON
HALLIE MARIE MIETTUNEN
VERNON XAVIER MILLER

HAZEL WINIFRED MOREN
JOSEPH NEIL MORTON
MILDRED ANTOINETTE PERKINS
THOMAS WILLIAM PHELPS
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 IDA D. JOHNSON
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 EHRMA L. LUNDBURG
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HERBERT AUSTIN CARLSON, B.S.	ERNEST ALLWIN OLSON, B.S.
WILLIAM JOSEPH ENDRES, B.S.	MARVIN GARFIELD PETERSON, B.S.
JOHN LYNN ERICKSON	ABRAHAM B. ROSENFELD, B.S.
PAUL MIDDLETON GAMBLE, B.S.	BENJAMIN B. SOUSTER, B.S.
HARRY GINSBERG, B.S.	ERWIN E. STEPHENS, B.S.
ESTHER MAUD GREISHEIMER, B.S., M.A.	ALF K. STRATTE, B.S.
PAUL RUSSELL GRONVALL, B.S.	CLARENCE A. STRUNK, B.S.
GAINS EDWARD HARMON, B.S.	WILLIAM WALFRED SWANSON, B.A., B.S.
WILLIAM WILFRED HECK, B.S.	ROBERT D. URBAHNS, B.S.
JOHN E. HOLT, B.S.	ELMER W. WHITCOMB, B.S.
WILLIAM BRAYTON HOLT, B.S.	HAROLD E. WILMOT, B.S.
	ALVIN PONTUS WOLD, B.S.

THE SCHOOL OF NURSING

GRADUATES IN NURSING*

LAURA MATHILDA BLACK	DOROTHY VICTORIA FROST
ELOISE MARION BRINGGOLD	ELMA RUTH HARRISON
HELEN AGNES CLARK	EVA IRENE MATSON
ALICE MERLE FORBES	CARRIE DOROTHY OLTMAN
	ALICE EDITH PRESTIDGE

* These degrees are conferred subject to the completion of hospital service prior to January 1, 1924.

THE COLLEGE OF DENTISTRY
DOCTORS OF DENTAL SURGERY

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HENRY A. ARNESON
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HENRY HUGH BRASIE
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WILLIAM HOPKINS CRAWFORD
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ROBERT PHILIP DRESSSEL
WILLIAM ANTHONY DVORAK
KARL A. EDGERTON
REUBEN F. EHLKE
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LORENZO A. GRAY
ALMAN OSCAR HAGEN
NILS STENSSON HAGER, M.B.
HAROLD LYTTON HARRIS
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GRACE JEANETTE JONES
ALBRECHT JOHN KOPPES
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PAUL GUSTAVE LILJA
ANDREW ALEXANDER LOVE, JR., B.S.
GEORGE WILLIAM LUNDBERG
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DAVID C. MAXFIELD
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CLAUD WALDO MOULTON
LLOYD ERNEST MUSBURGER
ARCHIE MARIAM O'HAGEN
ALBERT J. O'LAUGHLIN
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OLIVER OLAFSON
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WALTER ELLING OMUNDSON
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PHILO PENNIE
BRUCE N. RADEMACHER
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ORPHA GERTRUDE HANSTAD
HESTER M. HOLEN
GRETCHEN A. HOLTZ
IONE JACKSON
LEOTA CAROLINE KOHL

EDNA GRACE LARSON
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JEAN O'DONNELL
SYLVIA A. PEXA
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THE SCHOOL OF MINES

ENGINEERS OF MINES

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CHI CHANG
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HENRY ADAM PABST
ROBERT HENDERSON RIDGWAY
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ANTHONY O. SAMUEL SJOLINDER
CARL JAMES SMITH
CLIFFORD H. SWENSEN
HERBERT E. THELLIN
EVERETT H. TOLLEFSON
EDGAR W. VIVIAN
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ENGINEERS OF MINES

In Geology

JOHN WITHERS CLAY
HOWARD J. CONHAIM
CHARLES EDGAR ERDMANN
ADOLPH LEE FOSS
ARTHUR JOHN FRIEDL
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HOWARD LEROY HENKEL
VERN L. KEGLER
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DONALD H. WOLFER

METALLURGICAL ENGINEERS

FRANK E. MOONEY
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ROLAND BLAISDELL QUENEAU
ADOLPH J. SCHEID, JR.

THE COLLEGE OF PHARMACY

MASTER OF SCIENCE

In Pharmacy

CHARLES VAIL NETZ, Phm.C., B.S.

BACHELORS OF SCIENCE

In Pharmacy

GEORGE C. LARK, Phm.C.

SIGRID MARIE SCHOLD

PHARMACEUTICAL CHEMISTS

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THE SCHOOL OF CHEMISTRY

BACHELORS OF SCIENCE

In Chemistry

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BACHELORS OF SCIENCE

In Chemical Engineering

ROSS DANIEL BOSTWICK
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THE COLLEGE OF EDUCATION AND THE COLLEGE OF
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HOME ECONOMICS

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HAROLD J. DUNN
HERBERT ANDREW EDD
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EVELYN LESLIE ENCHES ✕
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CARL EMANUEL HALLIN
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PORTER EDWIN HARDER
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JULIAN RUSSEL THOMPSON
RUSSELL ULRICH
THEODORE HANNA WANGENSTEEN
MARION ANTIL WARDLE ✕
ARTHUR BARTLETT WELCH

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Major, English
Minor, Philosophy
Thesis, The Labor Problem in the American Novel
- JESSIE WADLEIGH BOYCE
B.A. '05, Minnesota
Major, Latin
Minor, German
Thesis, The Rome of the Satirists
- GUST HUBERT CACHIAS
B.A. '17, B.D. '20, Johnson College
Major, History
Minor, History (Ancient)
Thesis, The Development of the Athenian Ecclesia
- ELEANOR VICTORIA CEDERSTROM
B.S. '21, Minnesota
Major, Romance (French)
Minor, History
Thesis, The Origin and Development of the Vaudeville and Its Introduction into the French Theater
- ARNOLD MICHAEL CHRISTENSEN
B.A. '20, Carleton
Major, Educational Administration
Minor, Psychology
Thesis, The Characteristics of Rapid Progress Pupils
- HELEN COUNTRYMAN
B.A. '21, Minnesota
Major, English
Minor, Rhetoric
Thesis, A History and Bibliography of Tristan Criticism
- EDMUND MIDDLETON DAGGIT
B.S. '22, Minnesota
Major, Agricultural Economics
Minor, Economics
Thesis, The Organization of the Twin City Butter Market
- JOSEPHINE MARIE DE BOER
B.S. '07, Columbia
Major, Romance (French)
Minor, Romance (Italian)
Thesis, Introduction of a Critical Edition of L'Art Poetique de Guillaume Colletet
- IWAO FUKUSHIMA
B.A. '19, Colorado College
Major, Physics
Minor, Mathematics
Thesis, Determination of the Effect of Magnetic Fields on the Characteristics of a Three Electrode Vacuum Tube
- LANDRETH MATTHEW HARRISON
B.A. '22, Minnesota
Major, Political Science
Minor, Economics
Thesis, The International Joint Commission
- KARL HENRY HAUSER
B.A. '14, Concordia
Major, Educational Administration
Minor, Educational Psychology
Thesis, The Legal Status of the County Board of Education
- WILLIAM HARROD HOLLANDS
B.A. '05, Carleton
Major, Educational Administration
Minor, Educational Psychology
Thesis, A Study of Subject Failures in a Group of Minnesota High Schools for the First Semester of 1922-23
- CHARLES BENNETT HOWE
B.A. '22 University of Washington
Major, Agricultural Economics
Minor, Economics
Thesis, Farm Leasing Systems in Minnesota

HEBER ULRIC HUNT

B.A. '21, Central College
Major, Educational Administration
Minor, Educational Psychology
Thesis, A Study of Elimination from
Certain High Schools in Minnesota

DOROTHY MADELINE MCGHEE

B.A. '22, Minnesota
Major, Romance (French)
Minor, History
Thesis, Naturalistic Features in the
Works of Denic Diderot

PERCIVAL WINTERBURN HUTSON

B.A. '13, Beloit
Major, Educational Administration
Minor, Educational Psychology
Thesis, A Study of the Training of
the High-School Teachers of the
State of Minnesota in Relation to
the Subjects They Teach

ROLAND CLAYTON MCKEE

B.A. '22, Minnesota
Major, Psychology
Minor, Economics
Thesis, A Study of Controlled Asso-
ciation Technique

REWEY BELLE INGLIS

B.A. '08, Minnesota
Major, English
Minor, Rhetoric
Thesis, The Realistic Treatment of
the Boy in American Fiction Since
1869

ETHEL MACMILLAN

B.A. '04, Minnesota
Major, English
Minor, Romance (French)
Thesis, Isaac Bickerstaff: A Study
of His Writings in Relation to the
Drama of His Time

HAROLD FERDINAND KUMM

L.L.B. '20, B.A. '21, Minnesota
Major, Political Science
Minor, Law
Thesis, Judicial Control of the
Executive

MARIE HELENE MALMIN

B.A. '21, Concordia
Major, English
Minor, History
Thesis, Puritanism in the Works of
George Wither

ERNEST ORLANDO LAWRENCE

B.A. '22, South Dakota
Major, Physics
Minor, Mathematics
Thesis, An Experimental Verifica-
tion of the Moving Line Theory as
Applied to the Problem of Uni-
polar Induction

LOU ELLA MILES

B.A. '08, Chicago
Major, History
Minor, Political Science
Thesis, Joseph Galloway, Conserva-
tive

OLAV K. LUNDEBERG

B.A. '16, St. Olaf
Major, Romance (French)
Minor, Scandinavian (Norwegian)
Thesis, Charles Colle's La Partie de
Chasse de Henri IV and the Evo-
lution of Its Theme

IRWIN AARON MONTANK

B.A. '21, Utah
Major, Bacteriology
Minor, Chemistry (Physiologic)
Thesis, Studies on the Infective and
Antigenic Properties of the Tu-
bercle Bacillus

- HOPE MOWBRAY
 B.S. '22, Minnesota
 Major, Educational Psychology
 Minor, Psychology
 Thesis, The Relation of Intelligence to Acquisition of Reading Vocabulary in the First Grade
- HELEN PARKER MUDGETT
 B.A. '21, Wellesley
 Major, History (Economic)
 Minor, History
 Thesis, Economic Causes of Discontent in Elizabethan England
- HARRY BREAKELL NASH
 B.A. '14, Dakota Wesleyan
 Major, Educational Psychology
 Minor, Education
 Thesis, The Relation of the Intelligence of Children to the Occupation of Their Fathers Based on the Results Obtained from Intelligence Tests Given to Pupils in the Rural Schools of New York State
- PERCIVAL HAROLD NYGAARD
 B.A. '18, St. Olaf
 Major, Education
 Minor, Mathematics
 Thesis, Some Aspects of the Relationship between Freshman College Mathematics and High School Mathematics
- GEORGE MARTIN PETERSON
 B.S. '21, Minnesota
 Major, Economics (Agricultural)
 Minor, Economics
 Thesis, Cost of Handling Potatoes in the Local Markets
- FLORENCE MARTHA SCHILLING
 B.A. '20, Minnesota
 Major, History
 Minor, Political Science
 Thesis, Public Opinion in Minnesota on Franco-Prussian Affairs in 1871 and 1872
- SISTER MARIE HILGER
 B.A. '23, Minnesota
 Major, Chemistry (Inorganic)
 Minor, Chemistry, (Organic)
 Thesis, The Detection of Palladium, Selenium and Tellurium
- HULDAH EVELINA THELANDER
 B.S. '22, Minnesota
 Major, Anatomy
 Minor, Pathology
 Thesis, The Course and Distribution of the Mesencephalic Root of the Trigeminal Nerve
- MERLE ANTONY TUVE
 B.S. '22, Minnesota
 Major, Physics
 Minor, Mathematics
 Thesis, On Impact Ionization of Mercury Vapor by Low Speed Positive Mercury Ions
- JOSEPH UTSCHEN
 B.A. '22, Minnesota
 Major, History (American)
 Minor, Political Science
 Thesis, Fifteen Years of Chino-American Relations 1844 to 1858
- CHARLOTTE EMMA ZIMMERSCHIED
 B.A. '20, Minnesota
 Major, Physics
 Minor, Mathematics
 Thesis, An Investigation of the Mechanism of the Passage of Ions Through a Metal Grid under the Influence of an Electric Field

MASTERS OF SCIENCE

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 B.S. '17, Utah Agricultural College
 Major, Dairy Husbandry
 Minor, Biochemistry
 Thesis, The Water Soluble B Requirements of the Bovine
- WINSLOW SAMUEL ANDERSON**
 B.S. '21, Bates College
 Major, Chemistry (Industrial)
 Minor, Chemistry (Inorganic)
 Thesis, An Attempt to Make True Colored Lithopones
- ADOLPH CHRISTOPHER BAKKEN**
 B.A. '19, St. Olaf
 Major, Chemistry (Industrial)
 Minor, Chemistry (Organic)
 Thesis, The Chemical Analysis of Straw Tar
- HARVEY EDGAR BREWBAKER**
 B.S. '21, Illinois
 Major, Plant Breeding
 Minor, Plant Physiology
 Thesis, Studies of Self-fertilization in Rye
- HARLOW ROESLER BIERMAN**
 B.S. '21, Minnesota
 Major, Dairy Husbandry
 Minor, Biochemistry
 Thesis, Some Problems Concerning the Fermentation of Silage
- WILLIAM SYDNEY BOWERS**
 M.D. '19, Southern California
 Major, Pediatrics
 Minor, Physiologic Chemistry
 Thesis, The Relation of Growth to Rickets
- EARL REINHOLD CARLSON**
 B.A. '21, Minnesota
 Major, Geology
 Minor, Anthropology
 Thesis, The Metallogeny of Finno-Scandia
- JACOB ALLEN CLARK**
 B.S. '10, N. D. Agricultural College
 Major, Plant Breeding
 Minor, Plant Pathology
 Thesis, Correlated Inheritance in a Cross between Kota and Hard Federation Wheats
- VICTOR LEWIS CORY**
 B.S. '04, Kansas State Agricultural College
 Major, Botany
 Minor, Entomology
 Thesis, The Grasses of Western Texas
- FRANCES RUTH CROOKER**
 B.A. '20, Carleton
 Major, Biochemistry
 Minor, Home Economics
 Thesis, Influence of Vitamines on the Activity of Certain Enzymes
- FORREST RAMON DAVISON**
 B.A. '19, St. Olaf
 Major, Biochemistry
 Minor, Chemistry (Organic)
 Thesis, The Picric Acid Method for the Determination of Sugars
- HAROLD MCCLOSKEY HARSHAW**
 B.S. '21, Minnesota
 Major, Biochemistry
 Minor, Veterinary Medicine
 Thesis, The Role of Laboratory Animals in Determining the Vitamine Requirements of Dairy Cattle
- ALFRED LEIGH HARVEY**
 B.S. '20, Minnesota
 Major, Animal Husbandry
 Minor, Veterinary Medicine
 Thesis, Curing and Storing Pork Products Under Farm Conditions

- JAMES FRANKLIN KEIM**
 B.S. '22, Pennsylvania State College
 Major, Animal Husbandry
 Minor, Dairy Husbandry
 Thesis, The Comparative Value of
 Several Rations for Winter Main-
 tenance of Beef Cows
- HERBERT ARMIN PAGEL**
 B.A. '22, Minnesota
 Major, Chemistry (Inorganic)
 Minor, Chemistry (Physical)
 Thesis, A Study of the Quantitative
 Determination of Praseodymium
- SZE CHEN LIN**
 M.E. '22, Minnesota
 Major, Geology
 Minor, Civil Engineering
 Thesis, Secondary Enrichment of
 Tin Deposits
- DAVID HARRY PIERCE**
 B.S. '10, St. Lawrence University
 Major, Educational Administration
 Minor, Psychology
 Thesis, A Comparative Study in
 Teaching Costs in Schools Claim-
 ing to be Junior High Schools
- RUDOLPH CHARLES LOGEFEIL**
 B.S. '16, M.B. '18, M.D. '19, Minne-
 sota
 Major, Animal Biology
 Minor, Medicine
 Thesis, A Study of Mixed Leukemia
 with a Report of a Case
- STANLEY ALONZO RICHARDSON**
 B.S. '21, Lewis Institute
 Major, Metallography and Metallurgy
 Minor, Mathematics and Mechanics
 Thesis, A Metallographic Study of
 Steel Castings
- CLARENCE EUGENE MICKEL**
 B.S. '17, Nebraska
 Major, Entomology
 Minor, Economic Zoology
 Thesis, A Revision of the Genus
 Pseudomethoca Ashmead as it
 Occurs in America North of
 Mexico
- GUTHRIE BROWN SANFORD**
 B.S. '20, Alberta
 Major, Plant Pathology
 Minor, Plant Breeding
 Thesis, The Relation of Soil Factors
 to the Development of Potato Scab
- BURGESS NIGHTINGALE**
 B.S. '21, New Hampshire College
 Major, Horticulture
 Minor, Plant Breeding
 Thesis, Propagation of Fruit and
 Nut Trees by Root Cuttings
- CECILIA SCHUCK**
 B.A. '22, Indiana State Normal
 Major, Physiologic Chemistry
 Minor, Physiology
 Thesis, Vitamine Studies
- AKSEL GILKROG OLSEN**
 B.A. '22, Nebraska Wesleyan
 Major, Biochemistry
 Minor, Plant Physiology
 Thesis, A Study of the Proteases
 of Bread Yeast, Saccharomyces
 Cerevisiae
- SISTER MARY BERNADETTE LIES**
 B.S. '20, College of St. Teresa
 Major, Home Economics
 Minor, Biochemistry
 Thesis, The Relations Existing Among
 Qualities in Potato Tubers
 Composition, Shape, and Cooking

FLORENCE CHRISTINE SMITH

B.S. '20, Minnesota

Major, Biochemistry

Minor, Home Economics

Thesis, The Effect of Chemical
Leavening Agents on the Proper-
ties of Flour

ARTHUR FRITHIOF SWANSON

B.S. '19, Kansas State Agricultural
College

Major, Plant Breeding

Minor, Plant Physiology

Thesis, Some Inheritable Characters
in Grain Sorghums

KIRK ALLEN THOMAS

B.A. '21, Ohio Wesleyan

Major, Physiologic Chemistry

Minor, Chemistry (Industrial)

Thesis, The Catalytic Activity of
Metals Reduced from their Ions
by Adsorbed Hydrogen

MASTER OF SCIENCE

In Chemical Engineering

ROBERT CRAIG ERNST

B.S. '21, North Carolina State College

Major, Chemical Engineering

Minor, Chemistry (Physical)

Thesis, The Electro Deposition of a
Tri-Metallic Alloy

MASTER OF SCIENCE

In Dermatology

ALBERT RANKIN MCFARLAND

B.A. '14, Geneva College

M.D. '18, Pennsylvania

Major, Dermatology

Minor, Pathology

Thesis, The Behavior of the Kidney
under Antiluetic Treatment

MASTER OF SCIENCE

In Medicine

JAMES FISHER WEIR

B.A. '15, M.D. '18, Western University

Major, Medicine

Minor, Pathology

Thesis, Observations on the Influence
of Pituitary Extract on the Me-
tabolism of Diabetes Insipidus

MASTER OF SCIENCE

In Neurology

HARRY LEE PARKER

B.A. '18, Trinity College

M.B., Ch.B. '18, Dublin University

Major, Neurology

Minor, Pathology

Thesis, Tumors Involving the Fourth
Ventricle of the Brain: a Study
of Their Clinical and Pathologic
Characters

MASTERS OF SCIENCE

In Ophthalmology

HENDRIE WALTER GRANT

M.D. '20, Bowdoin

Major, Ophthalmology

Minor, Anatomy

Thesis, Non-Specific Therapy in
Diseases of the Eye

HENRY PATRICK WAGENER

B.S. '09, M.D. '13, Charleston

Major, Ophthalmology

Minor, Pathology

Thesis, The Pathology of Acute Ex-
perimental Streptococcus Viridans
Iritis

MASTER OF SCIENCE

In Oto-Laryngology

FRENCH KELLER HANSEL

M.D. '19, St. Louis University

Major, Oto-Laryngology

Minor, Pathology

Thesis, Vasomotor Rhinitis

MASTER OF SCIENCE

In Pathology

JAMES ALEXANDER WILKINS

B.S. '18, M.D. '19, Virginia

Major, Pathology

Minor, Bacteriology

Thesis, Embolism and Thrombosis in
the Portal System

MASTERS OF SCIENCE

In Surgery

EMMETT BAXTER FRAZER

B.S. '13, M.D. '18, Alabama

Major, Surgery

Minor, Pathology

Thesis, A Study of the Administration of Magnesium Sulphate on the Secretion of Bile

EDWARD GORDON JOSEPH

M.B., Ch.B. '18, Edinburgh

Major, Surgery

Minor, Pathology

Thesis, Kymographic Studies of Various Pathological Conditions of the Stomach

HERMAN WILLIAM HUNDLING

B.S. '12, M.D. '15, Iowa

Major, Surgery

Minor, Pathology

Thesis, Ventral Tumors of the Sacrum

JOHN EDMUND STRUTHERS

M.D. '15, Philadelphia

Major, Surgery

Minor, Pathology

Thesis, Multiple Polyposis of the Intestinal Tract

WALTMAN WALTERS

B.S. '17, Dartmouth

M.D. '20, Chicago (Rush)

Major, Surgery

Minor, Pathology

Thesis, Studies in Obstructive Jaundice

MASTER OF SCIENCE

In Urology

FRANK SACKETT SCHOONOVER

B.S. '15, University of Rochester

M.D. '16, Columbia

Major, Urology

Minor, Pathology

Thesis, The Pathology of Tuberculosis in the Testicle

CHEMICAL ENGINEERS

JOSEPH OSGOOD BARRETT

B.S. '22, Minnesota

Major, Chemical Engineering

Thesis, The Simultaneous Electrodeposition of Cobalt and Nickel

LOWELL RODNEY CHADBOURNE

B.S. '22, Minnesota

Major, Chemical Engineering

Thesis, Experiments on Introducing Various Pigments into Wall Plasters

NORMAN SYDNEY CASSEL

B.S. '22, Minnesota

Major, Chemical Engineering

Thesis, The Influence of Hydrogen Ion Concentration in Cobalt Plating

HALVOR ORIN HALVORSON

B.S. '22, Minnesota

Major, Chemical Engineering

Thesis, An Investigation of the Electrolytic Properties of Tungsten

AXEL OSWOLD LANGSETH
B.S. '22, Minnesota
Major, Chemical Engineering
Thesis, The Use of Gambier in the
Tanning of Skins

WILLIAM TRUDELLE MORIN
B.S. '22, Minnesota
Major, Chemical Engineering
Thesis, The Preparation and Rela-
tive Absorptive Powers of Silica
Gel Made from Dilute Solutions

LESLIE FIELD STONE
B.S. '22, Minnesota
Major, Chemical Engineering
Thesis, The Electrolytic Deposition
of Iron from the Oxide Ores

LE ROY LINWOOD WYMAN
B.S. '22, Minnesota
Major, Chemical Engineering
Thesis, The Cementation of Steel
by Silicon

CIVIL ENGINEERS

SEYMOUR RUESINK CRAY
B.S. '22, Minnesota
Major, Civil Engineering
Thesis, A Study of City Planning in
Hopkins and Columbia Heights,
Minnesota

EARL HILDTRITH LUND
B.S. '22, Minnesota
Major, Civil Engineering
Thesis, A Study of Central Heating
in Hopkins, Minnesota

ELECTRICAL ENGINEERS

IRWIN MARTIN ELLESTAD
B.S. '22, Minnesota
Major, Electrical Engineering
Thesis, Electric Ignition with Refer-
ence to Current, Voltage, and
Energy of Transient Sparks and
Arcs

EMANUEL CARL MANDERFELD
B.S. '21, Minnesota
Major, Electrical Engineering
Thesis, The Use of High Frequency
Currents as a Means of Communi-
cation over Power Transmission
Lines

HENRY CURTIS FORBES
B.S. '22, Minnesota
Major, Electrical Engineering
Thesis, A Power Analysis of Typi-
cal Radio Receiving Systems

KARL WILLIAM SELANDER
B.S. '21, Minnesota
Major, Electrical Engineering
Thesis, Electrostatic Transmitter

LUDVIG CONRAD LARSON
B.S. '21, Minnesota
Major, Electrical Engineering
Thesis, The Use of High Frequency
Currents as a Means of Communi-
cation over Power Transmission
Lines

JOHN ELMER SORENSEN
B.S. '22, Minnesota
Major, Electrical Engineering
Thesis, Starting Characteristics of
Synchronous Motors

MECHANICAL ENGINEERS

- LEWIS MICHAEL BECKER
B.S. '16, Illinois
Major, Mechanical Engineering
Thesis, Air as a Condensing Medium
in a Surface Condenser
- ALEXANDER WALKER LUCE
B.S. '21, Minnesota
Major, Mechanical Engineering
Thesis, Heat Capacities of Ethyl
Chloride
- ELMER WALTER JOHNSON
B.S. '14, E.E. '15, Minnesota
Major, Mechanical Engineering
Thesis, Service and Laboratory Tests
of Lubricating Oils for Gas Engines
- CHARLES FLOYD OLMSTEAD
B.S. '22, Minnesota
Major, Mechanical Engineering
Thesis, Oil Burning for Domestic
Heating
- ARTHUR W. KUMM
B.S. '22, Minnesota
Major, Mechanical Engineering
Thesis, Central Station Heating in
Minnesota
- OLAF TJELLE ROOD
B.S. '22, Minnesota
Major, Mechanical Engineering
Thesis, A Study of Oils and Viscous
Substances

DOCTORS OF PHILOSOPHY

- ARTHUR VON KROGH ANDERSON
B.S. '13, M.S. '15, Minnesota
Major, Biochemistry
Minor, Plant Pathology
Thesis, The Biochemistry of Fusa-
rium Lini
- MANUEL LINGAD CARREON
B.A. '20, Nebraska
M.A. '21, Minnesota
Major, Educational Psychology
Minor, Educational Administration
Thesis, The Determination of the
Degree of Applicability of Educa-
tional Measurements and Psycho-
logical Tests in America to the
Philippines
- HENRY D. BARKER
B.S. '15, Clemson
M.S. '17, Wisconsin
Major, Plant Pathology
Minor, Plant Breeding
Thesis, A Study of Wilt Resistance
in Flax
- HALBERT LOUIS DUNN
B.A. '17, M.A. '19, M.B. '22, Min-
nesota
Major, Anatomy
Minor, Physiology
Thesis, Growth of the Cerebrum and
Its Integral Parts
- GEORGE OSWALD BURR
B.A. '16, Hendrix
M.A. '20, Arkansas
Major, Biochemistry
Minor, Chemistry (Organic)
Thesis, The Condensation of Indole
Derivatives with Aldehydes with
Especial Reference to the Humins
of Protein Hydrolysis
- AUGUST DVORAK
B.A. '20, Minnesota
Major, Educational Psychology
Minor, Psychology
Thesis, A Study of Achievement and
Subject Matter in General Science

- ARTHUR WELLESLEY HENRY
 B.S. '17, M.S. '20, Saskatchewan
 Major, Plant Pathology
 Minor, Plant Physiology
 Thesis, Root Rots of Wheat
- CHARLES RAYMOND HURSH
 B.S. '17, Missouri
 Major, Plant Pathology
 Minor, Biochemistry
 Thesis, Morphological and Physiological Studies on the Resistance of Wheat to *Puccinia graminis tritici*
- HYMEN SHALIT LIPPMAN
 B.S. '17, M.B. '19, Minnesota
 Major, Pediatrics
 Minor, Bacteriology
 Thesis, The Blood in the Newborn Period
- SHIRLEY PUTNAM MILLER
 B.S. '03, South Dakota State College
 M.A. '04, Minnesota
 Major, Anatomy
 Minor, Zoology
 Thesis, The Effects of Inanition upon the Stomach and Intestines of Albino Rats Underfed from Birth for Various Periods
- ISRAEL MAIZLISH
 B.S., M.S. '19, Massachusetts Institute of Technology
 Major, Physics
 Minor, Mathematics
 Thesis, The Scattering of X-Rays
- ROBERT NEWTON
 B.S. '12, McGill
 M.S. '21, Minnesota
 Major, Biochemistry
 Minor, Plant Physiology
 Thesis, The Nature and Practical Measurement of Cold Resistance in Winter Wheat
- ROBERT JACKSON NOBLE
 B.Sc. '15, Sydney, Australia
 M.S. '22, Minnesota
 Major, Plant Pathology
 Minor, Plant Breeding
 Thesis, Studies on the Parasitism of *Urocystis tritici* Koern, the Organism Causing Flag Smut of Wheat
- EMILY HELEN PAYNE
 B.S. '15, Macalester
 M.A. '18, Minnesota
 Major, Animal Biology
 Minor, Anatomy
 Thesis, The Omentum of the Rabbit with Special Reference to Hematological Problems
- SAMUEL RALPH POWERS
 B.A. '12, Illinois
 M.A. '19, Minnesota
 Major, Education
 Minor, Chemistry
 Thesis, A Diagnostic Study of the Subject Matter of High School Chemistry and the Construction of Scales for the Measurement of Achievement in Chemistry
- HARRY WOLCOTT ROBBINS
 B.A. '08, M.A. '08, Brown
 Major, English
 Minor, Romance (French)
 Thesis, Saint Edmund's "Merure de Seinte Eglise:" An Early Example of Rythmical Prose
- GEORGE MELVIN SCHWARTZ
 B.A. '15, M.A. '16, Wisconsin
 Major, Geology
 Minor, Paleontology
 Thesis, The Contrast in the Effect of Granite and Gabbro Intrusions on the Ely Greenstone

SAMUEL BERNARD SOLHAUG

B.A. '13, Carleton

B.S. '15, M.D. '17, Minnesota

Major, Obstetrics

Minor, Anatomy

Thesis, A Study of the Developmental Topography of the Pelvic Organs of the Female Fetus

GEORGE ALFRED THIEL

B.A. '17, M.A. '20, Minnesota

Major, Geology

Minor, Paleontology

Thesis, The Manganese Minerals: Their Identification and Paragenesis, with Special Reference to the Manganese Ores of the Cuyuna Range

FAITH THOMPSON

B.A. '17, M.A. '19, Minnesota

Major, History

Minor, Political Science

Thesis, The First Century of Magna Carta: Why it Persisted as a Document

HERMAN ZANSTRA

Ch.E. '17, Technical University, Delft, Holland

Major, Physics

Minor, Mathematics

Thesis, A Study on Relative Motion in Connection with Classical Mechanics

HONORS AND PRIZES

HONORS

GRADUATES OF THE MILITARY DEPARTMENT WHO
ARE AWARDED COMMISSIONS IN THE OFFICERS'
RESERVE CORPS OF THE UNITED STATES ARMY:

First Lieutenant, Dental Corps

KENNETH J. COLE
JAMES N. CRAWFORD
HOWARD J. DAKIN
KARL A. EDGERTON
REUBEN F. EHLKE
MAX T. FINLAYSON
FRANK L. GARDNER
LORENZO A. GRAY
ALMAN O. HAGEN
HAROLD L. HARRIS
EDWIN H. JOHNSON

HAROLD J. JOHNSON
CLIFFORD C. LARSON
VINCENT J. LEISEN
PAUL G. LILJA
NIC I. MOGA
LLOYD E. MUSBERGER
OLIVER OLAFSON
EDWIN A. OLSON
ARTHUR A. RADTKE
WILLIAM E. SANDBO
WALTER D. TOEPKE

WILLIS A. WILKINSON

First Lieutenant, Medical Corps

J. RICHARD AURELIUS
DAVID H. EISENSTADT
ISADORE M. GOLDBERG

ROGER G. HASSETT
MARQUE O. NELSON
EARL O. G. SCHMITT

KENNETH H. SUTHERLAND

Second Lieutenant, Coast Artillery Corps

ROSS D. BOSTWICK
WILLIAM J. DARMODY
HARRIS S. ENGH
CHARLES G. EUBANK
HUBERT M. FREDERICKSON
ROBERT J. HANDY
AUBREY C. LEONARD

EARL L. MICKELSON
RUSSELL O. NASH
MARK L. NELSON
OTTO C. PERSON
WILLIAM P. REED
CARL A. SAUER
PAUL H. SWANSON

ALFRED S. TRASK

Second Lieutenant, Infantry

ERNEST F. GRUNDEMEIER
CARL E. HALLIN

ASHLEY J. HILL
GORDON B. JEFFERS

Second Lieutenant, Signal Corps

CHARLES M. BURRILL	WALTER F. KANNENBERG
ELMER W. ENGSTROM	HENRY LIEBERMAN
HAROLD W. FISCHER	HAROLD A. PAUSE
MAURICE G. GOLDBERG	ROBERT M. RYAN
LEROY A. GRETTUM	GEORGE J. SCHOTTLER
ROBERT A. HARGRAVES	HERBERT L. SCOTT
OTTO F. B. HEIDELBERGER	ALVIN C. WARD
JAMES P. JOHNSON	JOHN B. WIGGINS
CLARENCE R. ZIMMERSCHIELD	

CERTIFICATES OF ELIGIBILITY

The following qualified candidates will receive their commissions as soon as they have reached their majority:

Second Lieutenant, Coast Artillery

CARROLL G. PATTON

Second Lieutenant, Infantry

HUGO G. ERICKSON	LAURENCE L. PETERSON
BRYCE E. LEHMAN	ROBERT B. WHITNEY
JUSTIN E. WYMAN	

Second Lieutenant, Signal Corps

OTTO T. BOUQUET

THE MRS. ELBERT L. CARPENTER SCHOLARSHIP

HORTENSE ROBERTS, A. '24

THE MRS. GEORGE C. CHRISTIAN SCHOLARSHIP

VIOLET WEBB, A. '26

THE NINA MORAIS COHEN SCHOLARSHIP

CELIA ISRAEL, A. '24

THE MRS. GEORGE P. DOUGLAS SCHOLARSHIP

RUTH THOMSON, Ed. '25

THE GEORGE H. PARTRIDGE SCHOLARSHIPS

MARY GILLACH, Ag. '26	DAISY PURDY, A. '25
NAOMI LARSON, A. '25	LEE RABINOWITZ, A. '25
ANNA L. RICE, Ed. '24	

THE P. E. O. SCHOLARSHIP

MAUD GERNES, Ed. '24

THE MINNEAPOLIS COLLEGE WOMAN'S CLUB SCHOLARSHIPS

HELEN CROSS, A. '24
LILLIAN LAMB, A. '26

WINIFRED LYNSKEY, A. '26
CATHERINE WELCH, A. '26

THE ST. PAUL COLLEGE CLUB SCHOLARSHIPS

JENNIE HEGER, A. '26
MABEL HODNEFIELD, A. '26
MARJORIE HOWE, A. '25

MARGARET MANZ, A. '27
ALICE STURM, A. '27
MARGARET SULLIVAN, A. '27

THE FACULTY WOMEN'S CLUB SCHOLARSHIP

ISABEL FOOT, A. '26

THE MINNEAPOLIS WOMAN'S CLUB SCHOLARSHIP

EVELYN MAYMAN, A '25

THE WOMEN'S SELF-GOVERNMENT ASSOCIATION SCHOLARSHIPS

RUTH BOTHNE, A. '25
ADA LIDDELL, A. '26

MAUDE RAMM, A. '26
EVA SMITH, Ag. '26

THE AGRICULTURAL FACULTY WOMEN'S CLUB SCHOLARSHIPS

LILLIAN HATHAWAY, Ag. '25

FLORENCE LANG, Ag. '25

THE PHI UPSILON OMICRON SCHOLARSHIP

LUCILE HORTON, Ag. '25

PRIZES

THE BRIGGS PRIZE IN FOUNDRY PRACTICE

First Place

WILLIAM H. DONNELLY, E. '25

Second Place

HERMAN F. BESELER, E. '25

THE LUDDEN TRUST PRIZES FOR THE FRESHMAN-
SOPHOMORE ORATORICAL CONTEST

First Place

CLARENCE N. PEARSON, A. '25

Second Place

DONALD ROGERS, A. '25

Third Place

ADELAIDE BURNS, A. '25

THE '89 MEMORIAL PRIZE IN HISTORY

GEORGE F. T. MAYER, '23

THE JOURNAL PRIZES IN HISTORY

First Place

ELIZABETH YOUNG, A. '23

Second Place

A. MARGARETH JORGENSEN, Ed. '23

THE ALUMNI WEEKLY GOLD MEDAL

CHARLES MACDONNELL, A. '23

DEGREES CONFERRED SINCE JUNE 14, 1922
UNTIL DECEMBER 14, 1922

THE COLLEGE OF SCIENCE, LITERATURE,
AND THE ARTS

BACHELORS OF ARTS

cum laude

RALPH HUBERT DWAN

ANITA HAMILTON MARQUIS

BACHELORS OF ARTS

WALTER GUSTAV ANDERSON

HELEN CECILE ARPER

CHESTER E. BETCHER

ERMINIE BROADSTONE

WINNIFRED LILLIAN FABEL

WARREN C. HAMBURG

SERENE CAROLYN HARRIS

VALBORG THERESA HELSETH

DONALD M. McCLINTOCK

JOHN LAVERNE McLAURY

FANNY JULIA MIETTUNEN

TILDEN IVER MOE

MAE L. NELSON

MARION ROBERT RINGOEN

LEO ROBERTS

GEORGE DEAN SPITLER

MORRIS WOLFE

BACHELORS OF SCIENCE

(Academic Medical)

RACHEL CARLETON

ANGUS ACHESON MCKINNON

COLLEGE OF ENGINEERING AND
ARCHITECTURE

BACHELORS OF SCIENCE

In Civil Engineering

EDWARD LIVERMORE ESPENETT

JACK GREENBERG

WILLIAM S. KELLEY, JR.

BACHELOR OF SCIENCE

In Mechanical Engineering

RALPH V. HILGEDICK

BACHELOR OF SCIENCE

In Architecture

WILLIAM EWART WILLNER

THE COLLEGE OF AGRICULTURE, FORESTRY, AND
HOME ECONOMICS

BACHELORS OF SCIENCE

Course in Agriculture

EDGAR ELLIS BERG

CHARLES ELLISON ECKLES

HENRY FRANCIS MOONEY

BACHELORS OF SCIENCE

Course in Home Economics

VENDLA ANNETTE OLSON

LEE SILBERMAN

INEZ BELLE SWAN

THE LAW SCHOOL

BACHELOR OF LAWS

JOHN VELTUM BUMBY

THE MEDICAL SCHOOL

DOCTORS OF MEDICINE

PETER CLARENCE ENGELHART,
B.S., M.B.

PETER EBERHARDT PETERSON,
M.B.

HAROLD EYVIND HARBO,
B.A., B.S., M.B.

WILLIAM HENRY RUCKER,
B.S., M.B.

BACHELOR OF MEDICINE

ERWIN WILLIAM JOHNS, B.A.,

THE COLLEGE OF DENTISTRY

DOCTORS OF DENTAL SURGERY

LEONARD AMODT
RALPH WALDO BLISS
CARL WAHR HANSEN
LAWRENCE ERLE HILL
MERRILL LOCKE LAWRENCE

JOHN H. T. SANDNESS
DAVID WILLIAM SMITH
WILLIAM W. STEINMAN
HARVEY C. STONE
ROBERT L. UPPGAARD

THE COLLEGE OF PHARMACY

BACHELOR OF SCIENCE

In Pharmacy

GEORGE M. RUD

THE SCHOOL OF CHEMISTRY

BACHELOR OF SCIENCE

In Chemistry

STEPHEN FOSTER DARLING

BACHELOR OF SCIENCE

In Chemical Engineering

HARVEY JOSEPHUS LIVERMORE

THE COLLEGE OF EDUCATION

BACHELORS OF SCIENCE

GERTRUDE MARGARET BAKER

WILLIAM STEWART BEYER

JOHN EMLIN BOHAN

EDWIN JOHN DAHL

ELEANOR MARY DOUGHERTY

LUCILLE SARAH DUNN

MARY ELIZABETH ERDMANN

HELEN JOSEPHINE EVANS

ALVA CARITAS FOSSUM

HELENA L. FRANCIS

GLADYS GALLETT

DORIS HANNA

MARVIN H. HANSON

ANNA BARBARA HATZ

ISABEL HUTCHISON

JULIA E. KING

CLARA BARBARA MARSH

ARTHUR WILLIAM MUNSON

L. NATHAN PIERCE

ANNE RATTERMAN

MARGARETTA REYNOLDS

CHESTER ALVIN RONNING

ORA KATHERINE SMITH

LUCELLE WANLESS

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

BACHELORS OF SCIENCE

Course in Agriculture

RALPH HUNTINGTON PRYOR

PERCY EDWIN TATE

JOSEPH BERT TAYLOR

BACHELORS OF SCIENCE

Course in Home Economics

ESTHER R. AMUNDSEN
ESTHER MARIE BERGLUND
LILLIAN E. LUNDBERG

LAURA JEANNETTE McARTHUR
MARION WINIFRED TREACY
MERAB FRANCES TUPPER

THE SCHOOL OF BUSINESS

BACHELORS OF SCIENCE

In Business

EARL GEORGE BERGH

HAROLD DONOVAN
GERALD GOODWIN ORR

DEGREES GRANTED DECEMBER 14, 1922

THE COLLEGE OF SCIENCE, LITERATURE,
AND THE ARTS

BACHELOR OF ARTS

cum laude

HELEN TICKNOR DAVIS

BACHELORS OF ARTS

DONALD GRANT BATCHELLER	PHYLLIS M. KRAUS
ELIZBETH M. COTTON	EDITH MAY KRITZER
MARION FRANCES DAY	BONNIE THERESA LANE
HELEN JEANETTE DEMPSTER	RUTH INGBORG LUNDHOLM
KATHARINE HOWARD GILLESPIE	HELEN MAURINE PYNCHON
RUTH GULLETTE	FRED CLAYTON SMITH
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Major, Education
Minor, History
Thesis, A Comparative Study of
State and County Aid to High
Schools in Utah, North Dakota
and Minnesota

HUGH SEVIER CARTER
B.A. '16, B.D. '21, Southwestern
Major, Sociology
Minor, Psychology
Thesis, A Study of Motivayion in
Social Control

KEITH CLARK
Ph.B. '90, Hamline
Major, History
Minor, Political Science
Thesis, The Conference of Berlin

JOHN GRANRUD
B.A. '18, St. Olaf
Major, Educational Administration
Minor, Educational Psychology
Thesis, A Comparative Study of
Boards of Education Fiscally De-
pendent and of Boards of Ed-
ucation Fiscally Independent of
Municipal Control

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Major, History
Minor, Political Science
Thesis, The Position of the Papacy
in Feudal Society

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Major, History
Minor, Political Science
Thesis, The Rise of the Republican
Party in Minnesota

FRANCES PRYOR IRWIN
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Major, History
Minor, Political Science
Thesis, Land Speculation by Vir-
ginians in the trans-Alleghany
Region 1737--1763

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Major, History
Minor, English
Thesis, Women in Politics in Latin
Syria

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B.A. '09, Dakota Wesleyan Univer-
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Major, Anatomy
Minor, Physiology
Thesis, The Anatomy of the Sacto-
Ilian Joint

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B.A. '12, Bethel College
Major, Educational Administration
Minor, Educational Psychology
Thesis, Financial Reports of the
City Superintendent to the Board
and the Public

MARIAN RUBINS
B.A. '20, Smith College
Major Economics
Minor, History
Thesis, A Study in Interest Rates
1908-1921

OLIVER LEONARD TROXEL
B.S. '14, Northwestern
Major, Educational Administration
Minor, Educational Psychology
Thesis, Public School Finance in
South Dakota

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ELMER OLIN ANDERSON
B.S. '20, Minnesota
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, Physical-Chemical Factors
Influencing Cream Rising of Milk

CARL FOUNTAIN HUFFMAN
B.S. '17, Kansas State Agricultural
College
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, Milk as the Sole Diet for
Calves

SAMUEL BASHEROV
B.S. '16, Wisconsin
Major, Dairy Husbandry
Minor, Veterinary Medicine
Thesis, Energy Requirements for
the Normal Growth of Dairy
Heifers

EDITH MAY PIERSON
B.S. '15, Lewis Institute
Major, Home Economics
Minor, Agricultural Biochemistry
Thesis, The Anti-scorbutic Proper-
ties of Some Common Food Ma-
terials

THOR WILLIAM GULLICKSON
B.S. '18, Minnesota
Major, Dairy Husbandry
Minor, Agricultural Biochemistry
Thesis, The Influence of Season and
Weather upon the Butterfat Per-
centage in Milk

ANNA MATHILDA STREED
B.S. '13, Minnesota
Major, Home Economics
Minor, Educational Psychology
Thesis, A Study of the Relation be-
tween Certain Variable Factors
and Tensile Strength in a Group
of Cotton Fabrics

ELWIN ELMER HARRIS
B.S. '21, Hamline
Major, Chemistry (Organic)
Minor, Chemistry (Physical)
Thesis, A Comparison of Aluminum
Chloride and Ferric Chloride

VERNON MAURICE WILLIAMS
B.S. '21, Minnesota
Major, Dairy Husbandry
Minor, Agricultural Biochemistry
Thesis, Yeast as a Factor in the
Nutrition of Dairy Cattle

MASTER OF SCIENCE

In Medicine

ELMER GEORGE SENTRY
B.S. '14 Wisconsin
M.D. '16, Chicago (Rush)
Major, Medicine
Minor, Clinical Pathology
Thesis, A Comparative Study of
Various Methods of Hemoglobin
Determination

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In Ophthalmology

HAROLD LEROY GOSS

B.S. '17, M.D. '17, Minnesota

Major, Ophthalmology

Minor, Oto-Laryngology and Rhinology

Thesis, The Effect of Blood Transfusion upon the Retinitis of Pernicious Anemia

WALTER IVAN LILLIE

M.D. '15, Michigan

Major, Ophthalmology

Minor, Neurology

Thesis, Ocular Phenomena Produced by Intracranial Lesions Involving the Optic Tracts near the Chiasm

MASTER OF SCIENCE

In Pathology

ALFRED S. GIORDANO

B.S. '18, M.D. '20, Syracuse University

Major, Pathology

Minor, Bacteriology

Thesis, Studies in Postmortem Bacteriology

MASTERS OF SCIENCE

In Surgery

NAT HAWKINS COPENHAVER

B.A. '10, Roanoke College

M.A. '12, M.D. '17, Yale

Major, Surgery

Minor, Pathology

Thesis, Intra-Abdominal Hernias

KESTER DAVIS POWELL

B.A. '15, M.D. '18, Iowa

Major, Surgery

Minor, Pathology

Thesis, The Relationship of Cellular Differentiation, Fibrosis, Hyalinization and Lymphocytis Infiltration to Postoperative Longevity in Patients with Squamous-cell Epithelions of the Skin and Lip

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In Urology

CHARLES RODERICK BLACKBURN

CROMPTON

M.B. '15, Toronto, Canada

Major, Urology

Minor, Pathology

Thesis, Results of Therapy in Cord Bladder

ALBERT JOHN SCHOLL, JR.

B.A. '13, Stanford

M.D. '16, Harvard

Major, Urology

Minor, Pathology

Thesis, Factors Influencing the Mortality in Cases of Tumor of the Bladder

ELECTRICAL ENGINEER

ROBERT EMMET DONAHOE

B.S. '21, Minnesota

Major, Electrical Engineering

Minor, Mechanical Engineering

Thesis, Design of an Ornamental
Street Lighting System and an
Electrical Distribution System for
the Greater Campus of the Uni-
versity of Minnesota

MECHANICAL ENGINEERS

CLARENCE JEWETT EDDY

B.S. '22, Minnesota

Major, Mechanical Engineering

Minor, Engineering

Thesis, The Effect of the Length of
Pipe on the Distribution of Air
in the Test of Fans and Blowers

ELMER JOHN FORSBERG

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Major, Mechanical Engineering

Minor, Electrical Engineering

Thesis, The Effect of the Length of
Pipe on the Distribution of Air
in the Test of Fans and Blowers

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sota

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Thesis, Reaction of Bone to Vari-
ous Metals

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CHARLES A. LOUGHIN

THOMAS BLAIR MOUER
ERVIN P. VAN BUREN

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DORA V. SMITH

FLORENCE SMYTHE

RUBY STEARNS

MARGARET TUPPER

LILLIAN WALLIN

HELEN YOUNG

BETA GAMMA SIGMA

ARTHUR BORAK
CHELCIE C. BOSLAND
J. HERBERT COATES
LESLIE B. COLFIX
CHARLES S. HOYT
HENRY W. LARSON

WARD R. E. NELSON
JAMES S. PRICHARD
HAROLD S. ROCK
ARNOLD J. ROTERUS
SIDNEY A. SWENSRUD
CARL A. TETT

HERMAN R. WIECKING

GAMMA EPSILON PI

RUTH BACH
ESTHER BJORNSTAD
EVELYN ENCHES

SADIE FISHER
AGNES McBEATH
BEATRICE L. SKOK

E. MARIAN WHITE

DELTA PHI LAMBDA

MARGARET AMES
JEAN ARCHIBALD
GERTRUDE BORDEN
VIRGINIA CHASE
DOROTHY COMSTOCK

HELEN JACKSON
HORTENSE ROBERTS
HELEN SARCHET
GRACIA TORINUS
ELIZABETH WILLIAMS

MU PHI DELTA

AGNES BOTHNE
THEODORE FINNEY

GERALD GREELY
ADELA OUREN

MILDRED PERKINS

THE SHEVLIN FELLOWSHIPS

Science, Literature, and the Arts

OLIVER P. FIELD

Agriculture, Forestry, and Home Economics

JAMES B. HARRINGTON

Medical School

IRWIN A. MONTANK

School of Chemistry

LEONARD W. HARTKEMEIER

THE DUPONT FELLOWSHIP IN CHEMISTRY

ARTHUR C. BECKEL

THE CLASS OF 1890 FELLOWSHIP

MARY PENROSE

THE CALEB DORR GRADUATE RESEARCH FELLOWSHIPS

ANDREW DINGWALL

RALPH I. JONES

ERNEST A. FIEGER

GUTHRIE BROWN SANFORD

ERNST H. WIECKING

THE ALBERT HOWARD SCHOLARSHIP

EVERETT W. HALL

THE MOSES MARSTON SCHOLARSHIP

ELIZABETH MANN

THE CALEB DORR SCHOLARSHIPS IN AGRICULTURE,
FORESTRY, AND HOME ECONOMICS

LILLIAN A. BRINKMAN

EMILY M. PAYETTA

RUDOLPH K. FROKJER

PAUL D. PETERSON

IVA H. HANSEN

THEODORE O. SUNDBROM

FAYE KEEVER

ELLA M. WESTMAN

THE MINNESOTA STATE PHARMACEUTICAL
ASSOCIATION SCHOLARSHIP

ROBERT L. ELFENBEIN

THE AMERICAN INSTITUTE OF ARCHITECTS MEDAL

ELVIN L. JOHNSON

PRIZES

THE ALPHA ZETA SCHOLARSHIP PRIZE

RALPH M. LINDGREN

THE PI LAMBDA THETA PRIZE

MARY L. EDWARDS

THE EVAN A. EVANS PRIZE

CHARLES A. LOUGHIN, JR.

THE JOHN S. PILLSBURY PRIZES

FRANK HANFT

LLEWELLYN PFANKUCHEN
ERMA SCHURR

THE FRANK H. PEAVEY PRIZES

DONALD ROGERS

HERMAN SACKS
ROBERT WHITNEY

CALEB DORR COLLEGE SENIOR SCHOLARSHIP PRIZES

ALPHA A. PETERSON

ERNST H. WIECKING

CHI OMEGA PRIZE

ESTHER HULT

SIGMA XI PRIZES

RENE A. BRADEN

CHARLES E. ERDMANN
ROLAND B. QUENEAU

SUMMARY OF DEGREES

The College of Science, Literature, and the Arts.....	247	
Degrees conferred during year.....	93	
	340	340
The College of Engineering and Architecture.....	113	
Degrees conferred during year.....	24	
	137	137
*The College of Agriculture, Forestry, and Home Economics	112	
Degrees conferred during year.....	38	
	150	150
The Law School.....	38	
Degrees conferred during year.....	8	
	46	46
The Medical School.....	94	
Degrees conferred during year.....	76	
	170	170
The College of Dentistry.....	95	
Degrees conferred during year.....	21	
	116	116
The School of Mines.....	44	
Degrees conferred during year.....	..	
	44	44
The College of Pharmacy.....	30	
Degrees conferred during year.....	1	
	31	31
The School of Chemistry.....	16	
Degrees conferred during year.....	3	
	19	19
*The College of Education.....	236	
Degrees conferred during year.....	65	
	301	301
The School of Business.....	68	
Degrees conferred during year.....	8	
	76	76
The Graduate School.....	121	
Degrees conferred during year.....	46	
	167	167
*Total degrees conferred.....	1160	
Degrees conferred during year.....	368	
	1528	1528

* 69 degrees conferred on candidates graduating jointly from the College of Agriculture, Forestry, and Home Economics and the College of Education. The duplicates are deducted from the total.

The University of Minnesota

**SUMMER SESSION
COMMENCEMENT EXERCISES
1923**



**THE MUSIC AUDITORIUM
FRIDAY, AUGUST THIRD, AT TEN O'CLOCK**

ORDER OF EXERCISES

Professor ASHLEY V. STORM, Presiding

MUSIC—

Sonata, Op. 42, First Movement
March of the Priests, "Attila"

Guilmant
Mendelssohn

GEORGE H. FAIRCLOUGH, F.A.G.O.
Instructor in Organ, University of Minnesota

SONG—"America"

My country! 'tis of thee,
Sweet land of liberty,
Of thee I sing;
Land where my fathers died!
Land of the Pilgrims' pride,
From every mountain side
Let freedom ring!

Our fathers' God! to Thee,
Author of Liberty,
To Thee we sing;
Long may our land be bright
With freedom's holy light;
Protect us by Thy might,
Great God, our King!

COMMENCEMENT ADDRESS—"English Speech and World Unity"

JOHN H. T. MAIN, Ph.D., LL.D.
President of Grinnell College

MUSIC—"In Summer"

Stebbins

MR. FAIRCLOUGH

CONFERRING OF DEGREES

ASHLEY V. STORM, Ph.D.
Director of the Summer Session

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—Coronation March, "The Prophet" *Meyerbeer*

MR. FAIRCLOUGH

CANDIDATES FOR GRADUATION
THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

BACHELORS OF ARTS

ALBERT JOHN BARANKIEWICZ	BERNICE E. MARSOLAIS
WILLIAM LEONARD BROMOWITZ	LLOYD HILMAN NYHUS
LILLIAN VICTORIA EASTMAN	RUTH GERTRUDE NYSTROM
ROBLEY E. EVANS	MYRTLE MAY PAULSON
CYRUS A. FIELD	LEILA ESTHER RICE
LESTER J. FRIEDL	EVA MILDRED ROSENBLoom
JESSIE PEARLE HIGGINS	JACOB SAGEL
HELEN LOUISE JACKSON	DEWEY J. SAMSON
PAUL G. JOHNSTON	SISTER M. INEZ HILGER
EVELYN LAURA KLEPPE	SISTER MARIANNE POMERLEAU
ORELL RUBEN LEEN	PHILIP N. SNODGRASS
	HENRY FREDRICK ULRICH

BACHELORS OF SCIENCE

(Academic-Medical)

THOMAS MOE	MARCUS HYMOND RABINOWITZ
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THE COLLEGE OF ENGINEERING AND ARCHITECTURE

BACHELORS OF SCIENCE

in Electrical Engineering

HAROLD A. PAUSE	HOWARD EDGAR REEVE
-----------------	--------------------

THE COLLEGE OF AGRICULTURE, FORESTRY, AND
HOME ECONOMICS

BACHELORS OF SCIENCE

Course in Agriculture

WILLARD ELVIN EUGENE ERICKSON	THORVAL TUNHEIM
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BACHELORS OF SCIENCE

Course in Home Economics

CECELIA MARGARET HASSETT	MARY LOUISA OGIN
--------------------------	------------------

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

BACHELORS OF SCIENCE

Course in Home Economics

GERTRUDE EDNA ALLEN	HELENE ANNETTE OLIVER
KITTIE LOUETTA BISHOFF	FLORENCE LUELLE PERLT
ANNA RAGNHILDA RICKANSRUD	

THE LAW SCHOOL

BACHELORS OF LAWS

DAVID K. BIRNBERG, B.A.	HARRY KREGAL
-------------------------	--------------

THE COLLEGE OF DENTISTRY

DOCTOR OF DENTAL SURGERY

HAROLD SHUCK BURKHART

THE COLLEGE OF EDUCATION

BACHELORS OF SCIENCE

HERMAN REYNOLD ANDERSON	JOHANNA FRANCES KUHARSKY
BLANCHE A. AUST	IRENE LAMBERTUS
GENEVIEVE NONA BANCROFT	LUCILE SYLVIA LEVIN
KATHARINE GERTRUDE DORAN	IRENE LINDSAY
CHARLOTTE EASTMAN	ANNE ELIZABETH LUTZ
MARY LUCRETIA EDWARDS	MABEL C. MATHEWS
CORA ALICE GIERE	FLORENCE EDWINA MOORE
THEOLINE BERTINE GOODWIN	PETER MARTIN PAQUETTE
MABEL JUNE HENDERSON	KATHRYN JONES ROBERTS
HELEN ELIZABETH HUHN	FRED WILLARD SANDERS
CARL FREDERICK JOHANSON	NOBLE B. SCHOONMAKER
LUCIEN BLAIRE KINNEY	MARJORIE GRACE SKEWES

THE SCHOOL OF BUSINESS

BACHELORS OF SCIENCE

in Business

LESLIE NELS GRUNNET	ROYCE C. MARTIN
HARLAN STUART HERR	HELEN ARABELLA STAPLES

THE GRADUATE SCHOOL

MASTERS OF ARTS

MINNIE MARIE FORRER

B.A. '12, Minnesota

Major, English

Minor, German

Thesis, The Standard of Truth in
Fiction as Applied in the Literary
Criticism of Henry James

ROBERT KINGSLEY

B.A. '23, Minnesota

Major, Political Science

Minor, Economics

Thesis, Recent Variations from the
Two-party System as evidenced
by the Nonpartisan League and
the Agricultural Bloc

EDITH HARRIET JONES

B.A. '19, Minnesota

Major, English

Minor, Rhetoric

Thesis, Allegory in the Queen
Anne Periodical

ALTA HALVERSON (HAYNES) SEYMOUR

B.A. '21, Minnesota

Major, English

Minor, Rhetoric

Thesis, Poems and Essays of Lady
Mary Chudleigh

WILLIAM BAYARD TAYLOR

B.A. '18, Beloit College

Major, Economics

Minor, Political Science

Thesis, The Labor Market for the
Northwest

MASTERS OF SCIENCE

RUSSELL CARL ENGBERG

B.S. '17, Iowa State College

Major, Farm Management

Minor, Agricultural Economics

Thesis, Basic Farm Data as an Aid
to the Farmer in Organizing His
Farm Business

ERNEST BOWMAN KESTER

B.A. '22, Minnesota

Major, Chemical Engineering

Minor, Metallography

Thesis, The Production of Power
Alcohol from Beet Molasses

DOCTOR OF PHILOSOPHY

GUSTAVE JOSEPH NOBACK

Major, Anatomy

Minor, Anthropology

B.S. '16, Cornell

M.A. '20, Minnesota

Thesis, A Study of the Developmental
Anatomy of the Respiratory System
in Man

The University of Minnesota

COMMENCEMENT CONVOCATION
FALL QUARTER 1923



THE UNIVERSITY ARMORY
THURSDAY, DECEMBER 13, 1923
ELEVEN-FIFTEEN O'CLOCK

ORDER OF EXCERCISES

President LOTUS DELTA COFFMAN, Presiding

PROCESSIONAL—March from “Athalia” - - - *Mendelssohn*

UNIVERSITY SYMPHONY ORCHESTRA

A. PEPINSKY, Director

SONG—“America”

My country! 'tis of thee,
Sweet land of liberty,
Of thee I sing;
Land where my fathers died!
Land of the Pilgrims' pride,
From every mountain side
Let freedom ring!

Our fathers' God! to Thee,
Author of Liberty,
To Thee we sing;
Long may our land be bright
With freedom's holy light;
Protect us by Thy might,
Great God, our King!

COMMENCEMENT ADDRESS—

“The University and World Relationships”

ALBERT ROSS HILL, Ph.D, LL.D.

Formerly President of the University of Missouri. Later Executive Secretary of the Red Cross in Charge of Operations in the Near East

LYRIC SUITE - - - - - *Grieg*

UNIVERSITY SYMPHONY ORCHESTRA

“Our Commencement Pledge”

Campus halls and campus friends farewell,
On we pass with the great dim throng.
We have come to ask a last God-speed
From the ones we have loved so long.
For the happy fleeting days 'round the campus knoll
All must vanish as we forward aim,
Square of shoulder, clear of eye,
Keeping safe the vision high,
For we'll not forget thee, Minnesota.
Loyalty we pledge thee, Minnesota.
Fair the trust thou givest, Alma Mater; high
Our trust the dear old college name.

CONFERRING OF DEGREES

President LOTUS DELTA COFFMAN, Ph.D., LL.D.

SONG—“Hail Minnesota”

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

RECESSIONAL—Triumphal March from “Aida” - - - *Verdi*

UNIVERSITY SYMPHONY ORCHESTRA

THE COLLEGE OF SCIENCE, LITERATURE,
AND THE ARTS

BACHELORS OF ARTS

magna cum laude

GRACE EMILY O'BRIEN

cum laude

SHERMAN LLOYD ANDERSON

LINNETTE NELSON

BACHELORS OF ARTS

DONALD ARTHUR COLE

EDWARD N. NOTESTEIN

E. RUTH DOLVEN

LORETTA O'MALLEY

MARIE A. FORSTER

MARION PARMELE

GERALD ELWIN GREELEY

H. JAMES RAMP

ALBERT NELEAN HAGLUND

S. MCKEE ROSEN

GOMER WILLIAMS

BACHELORS OF SCIENCE

(Academic Medical)

DANIEL ERNEST AFFELDT

HOBART CLEMENS JOHNSON

HENRY E. BAKKILA

ABIGAIL MARJORIE KNOWLTON

CHARLES SCOTT DONALDSON

WILLIAM R. R. LONEY

EJVIND P. K. FENGER

KARL ROSENIUS LUNDEBERG

ALBAN F. GAALAAS

HENRY VAN MEIER

WILLIAM F. HARTFIEL

FLOYD J. O'HARA

EDWARD MARTIN HAYDEN

REUBEN NATHANIEL PALMER

EMMETT A. HEIBERG

OLIVER HAGARD PERRY

JAMES M. HILTON

HAROLD RIDDIOUGH SMITHIES

WALDEMAR T. WENNER

THE COLLEGE OF ENGINEERING AND
ARCHITECTURE

BACHELOR OF SCIENCE

In Architectural Engineering

SAMUEL JOSEPH SUTHERLAND

BACHELORS OF SCIENCE

In Civil Engineering

CARL INGMAN ASLAKSON

WALTER G. HINER

BACHELORS OF SCIENCE

In Electrical Engineering

MAURICE G. GOLDBERG

WILLIAM FRANK HELWIG

HARVEY CARROLL HAWKINS

KARL L. KOCH

DONALD E. THORNE

THE COLLEGE OF AGRICULTURE, FORESTRY, AND
HOME ECONOMICS

BACHELORS OF SCIENCE

Course in Agriculture

JAMES CHARLES BEZPALEC

PAUL LOUIS EDDY

FRANK M. EATON

MARTIN DANIEL HAGEN

HOWARD OLTAS TRIEBOLD

BACHELORS OF SCIENCE

Course in Forestry

CLIFFORD O. CHRISTOPHERSON

L. J. LEFFELMAN

PAUL WILLIAM YOUNGERS

BACHELOR OF SCIENCE

Course in Home Economics

HELEN HARRIET MATHEIS

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

BACHELORS OF SCIENCE

Course in Agriculture

ROBERT BURDETTE ERNST

LAURENCE EDWARD WOOD

BACHELORS OF SCIENCE

Course in Home Economics

KATHLEEN A. AUSTIN

VERDA KAREN LARSON

DOROTHY MAY CASTLE

GERTRUDE A. MORLOCK

CLARA MARIE JERGENS

JANE SEDGWICK

MARGARET WILSON

THE LAW SCHOOL

BACHELORS OF LAWS

CARL JOHN EASTVOLD

RICHARD REUBEN GOODMAN
ELMER V. MURPHY

THE MEDICAL SCHOOL

DOCTORS OF MEDICINE

RICHARD STANLEY AHRENS, B.S., M.B.	RALPH FREDERIC KERNKAMP, B.S., M.B.*
CARL EDWIN ANDERSON, B.S., M.B.	RAYMOND WESLEY LAGERSEN, B.S., M.B.
FRED EUGENE BALL, JR., B.S., M.B.*	ALFRED LEONARD LINDBERG, B.S., M.B.*
HAROLD WESLEY CARLSON, B.S., M.B.*	ABBOTT BLUNT MITCHELL, B.A., B.S.,
PHILIP FRANKLIN ECKMAN, B.S., M.B.*	M.B.*
M. GODFREY GILLESPIE, B.S., M.B.*	RALPH EDWARD MOYER, M.B.*
BENJAMIN ALLEN GINGOLD, B.S., M.B.*	HAROLD DAVID NAGEL, B.S., M.B.
HARRY GINSBERG, B.S., M.B.*	GEORGE ARTHUR PAULSON, B.S., M.B.*
PHILIP GOTLIEB, B.A., M.B.*	HAROLD GEORGE REINEKE, B.S., M.B.
NORVAL WILLIAM HADDOW, B.S., M.B.	ELTON H. SMITH, B.S., M.B.
HORACE J. HALL, B.A., M.B.*	KARL A. WALFRED, B.S., M.B.
AUGUST F. HAMMERGREN, B.S., M.B.*	ELWYN HASKELL WELCH, B.A., M.A.
	MACNIDER WETHERBY, B.S., M.B.*

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

BACHELORS OF MEDICINE

KARL W. ANDERSON, B.S.	LOUIS EDWIN JONES, B.S.
LOUIS CROFT ARP	EDWIN JOHN KEPLER, B.A.
FRANCES HARDING ARTHUR, B.S.	ARTHUR H. KNUDSON, B.S.
OSCAR BERNARD BERGMAN, B.S.	RALPH EDWARD LEIGH, B.S.
ANTHONY JOSEPH BIANCO, B.S.	GORDON CAMPBELL MACRAE, B.S.
GEORGE SHERYL CABOT, B.S.	THOMAS BENJAMIN MOORE, B.S.
RACHEL CARLETON, B.S.	CLIFFORD RUSSEL MYRE, B.S.
EUGENE LESLIE CHRISTENSEN, B.A.	GARDNER SHAW REYNOLDS, B.S.
RALPH HIGBY CREIGHTON, B.S.	WILLIAM BRYANT RICHARDS, B.S.
SAMUEL DAVID DWORSKY, B.S.	HOBERT J. SETZER, B.S.
LAWRENCE FRANK EDER, B.S.	CHARLES EDWARD SHEPARD, B.S.
GEORGE DAVID EITEL, B.S.	NOBLE PIERCE SHERWOOD, B.S., M.A.,
HERBERT VICTOR FOSHION, B.S.	Ph.D.
CLYDE HARALD FREDRICKSON, B.S.	EDWIN J. SIMONS, B.S.
ROYAL CLENDENNING GRAY, B.S.	JOSEPH SORKNESS, B.S.
VASANT S. GUPTA, B.S.	ARNOLD O. SWENSON, B.S.
JOHN REDMOND HAND, B.S.	STUART JOHN THORSON, B.S.
PETER EUGENE HERMANSON, B.S.	EDWARD GLAZAR TORRANCE, B.S.
FRITZ DRAPER HURD, B.S.	JOHN ARNOLD URNER, B.S.
LIONEL ARNOLD JACOBY, B.A.	FREDERICK W. VANVALKENBURG, B.S.
RODERICK JANSON, B.S.	ELWYN H. WELCH, B.A., M.A.
RAY GEORGE JOHNSON, B.S.	NELSON A. YOUNG, B.S.

THE COLLEGE OF DENTISTRY
DOCTORS OF DENTAL SURGERY

RAYMOND LESTER BOLTON
ELBERT BURDETTE CLARK
CLARENCE H. REBNEY

CLYDE HENRY TALBOT
VICTOR JOHN VIRCHOW
JOHN FREDRICK WELLS

THE SCHOOL OF MINES
ENGINEER OF MINES
GEORGE WELLINGTON HEZZELWOOD

THE COLLEGE OF EDUCATION
BACHELORS OF SCIENCE

ANNA C. ANDERSON
HENRY L. ANDERSON
JELMER PARIDON BENGTON
ELEANOR JOSEPHINE BUTLER
GLADYS VALENTINE CHAPIN
ISABEL COLLINS COE
ALICIA JONES DAVIS
MARY CECELIA DOYLE
ALICE HALL
CARMEN GERTRUDE HARPMAN

LOIS W. HERRICK
ZOE TUNNICLIFF HOOD
INETTE MARGARETH HUSBY
FLORENCE J. JACKSON
ADELAIDE MIRIAM LEIGHTON
EVA THERESIA NELSON
MINNIE FREDERICKA RATZLAFF
MILDRED READ
GERTRUDE DUNCAN ROSS
CLARENCE LE ROY VARNER

THE SCHOOL OF BUSINESS
BACHELORS OF SCIENCE

In Business

CEDRIC FRANCIS MCKENZIE

CHARLES GORDON RIDER
HAROLD S. ROCK

THE GRADUATE SCHOOL
MASTERS OF ARTS

ALBERT ANDERSON
B.A. '13, Red Wing Seminary
Major, Educational Administration
Minor, Educational Psychology
Thesis, Certain Characteristics of a
Group of Average Pupils

JOHN EMLIN BOHAN
B.S. '22, Minnesota
Major, Educational Administration
Minor, Educational Psychology
Thesis, Relation of Intelligence to
Success of School Work

LESLIE LUTZ ANDERSON
B.A. '23, Minnesota
Major, Political Science
Minor, Economics
Thesis, State Police Systems in the
United States

EMMA SIGNE ERICKSON
B.S. '20, Minnesota
Major, Educational Administration
Minor, Educational Psychology
Thesis, Specific Difficulties of Silent
and Oral Narrative Reading

ARTHUR SHERMAN HADDAWAY

B. A. '21, Knox College

Major, History

Minor, Latin

Thesis, The European Preliminaries
of the Third Crusade

CLARENCE MYLES PURVES

B.A. '22, Macalester

Major, Agricultural Economics

Minor, Economics

Thesis, Cost Rates for Farm Labor

HARALD MORTENSEN

B.A. '20, Augsburg College

Major, Educational Administration

Minor, Educational Psychology

Thesis, An Analytic Study of High
School Texts in English Compo-
sition

GREGOR ZIEMER

B.A. '23, Illinois

Major, English

Minor, German

Thesis, A Study of the Plays of
George Lillo

MASTERS OF SCIENCE

BURKE HORACE CRITCHFIELD

B.S. '09, N. D. Agricultural College

Major, Agricultural Economics

Minor, Economics

Thesis, Marketing Grain through
Farmers' Elevators

ARNOLD HARVEY JOHNSON

B.S. '21, Minnesota

Major, Biochemistry

Minor, Chemistry (Organic)

Thesis, The Relation of Gas Reten-
tion by Wheat Flour Doughs to
Flour Strength and Fermentation

CHARLES SYLVESTER DORCHESTER

B.S. '13, Iowa State College

Major, Agronomy

Minor, Plant Pathology

Thesis, Methods of Obtaining Greater
Accuracy in Grain Grading

THOMAS SEWARD LOVERING

E.M. '22, Minnesota

Major, Petrology

Minor, Metallurgy

Thesis, Petrology of the Henderson
Mountain Stock

MORDECAI JOSEPH BRILL EZEKIEL

B.S. '18, Maryland State College

Major, Agricultural Economics

Minor, Economics

Thesis, A Statistical Examination of
Diminishing Returns in Agriculture

ROBERT HENRY LUSH

B.S. '21, Kansas State Agricultural
College

Major, Dairy Husbandry

Minor, Biochemistry

Thesis, Utilization of Buttermilk
Products for Calf Raising

JAMES COURTENAY HENING

B.S. '17, Minnesota

Major, Dairy Husbandry

Minor, Biochemistry

Thesis, Physical-Chemical Factors
Influencing Cream Rising of Milk

GEORGE LESTER MARTIN

B.S. '08, Iowa State College

Major, Dairy Husbandry

Minor, Agricultural Economics

Thesis, The Economical Utilization
of Dairy By-Products

VINCENT WILLIAM JACKSON

B.A. '03, Queen's University

Major, Botany

Minor, Agronomy

Thesis, The Grasses and Sedges of
Manitoba

JOSEPH ALTMAN MIDDLETON
B.S. '18, Clemson College
Major, Horticulture
Minor, Plant Breeding
Thesis, The Effect of Cover Crops
on Vegetative Growth and Fruit-
fulness with Especial Reference to
Apple and Tomato

FLOYD EARL OAKES
B.S. '20, Kansas State Agricultural
College
Major, Agricultural Economics
Minor, Biochemistry
Thesis, A Cost Accounting System
for the Flour Mill

ROBERT HERMAN OLMSTEAD
B.S. '16, Pennsylvania State College
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, The Soybean as a Source of
Protein in the Dairy Ration

MASTER OF SCIENCE

In Neurology

JOHN BENEDICT DOYLE
B.S. '16, Minnesota
M.D. '17, Chicago (Rush)
Major, Neurology
Minor, Physiology
Thesis, Glossopharyngeal Neuralgia

MASTER OF SCIENCE

In Orthopedic Surgery

HUGH TOLAND JONES
B.S. '17, M.B. '18, Minnesota
Major, Orthopedic Surgery
Minor, Pathology
Thesis, Loose Body Formation in
Synovial Osteochondromatosis
with Special Reference to the
Etiology and Pathology

MASTERS OF SCIENCE

In Surgery

WILLIAM PARKER HERBST, JR.
M.D. '15, Georgetown University
Major, Surgery
Minor, Pathology
Thesis, Malignant Tumors of the
Thyroid

JOHN HUGH LYONS
M.S. '19, M.D. '18, George Washing-
ton University
Major, Surgery
Minor, Pathology
Thesis, Linitis Plastica

MASTER OF SCIENCE

In Urology

THOMAS DAVID MOORE

B.A. '12, McLean University

M.D. '16, Vanderbilt University

Major, Urology

Minor, Pathology

Thesis, Bladder Sensibility

DOCTORS OF PHILOSOPHY

JOHN ROBERT EYER

B.A. '17, Cornell

M.S. '21, Pennsylvania State College

Major, Entomology

Minor, Plant Pathology

Thesis, The Comparative Morphology
of the Male Genitalia of the Primi-
tive Lepidoptera

ARTHUR LEVINE

B.A. '16, Augustana College

Major, Chemistry (Organic)

Minor, Chemistry (Physical)

Thesis, The Oxidation of the Ha-
logenated 1, 3 Dimethyl Ethers of
Pyrogallol