

The University of Minnesota

**CANDIDATES FOR DEGREES
WINTER QUARTER 1922**



**THE UNIVERSITY ARMORY
THURSDAY, MARCH 23, 1922
SIX-THIRTY O'CLOCK**

CANDIDATES FOR GRADUATION

THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

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HOFF DANIEL GOOD
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RALPH HAROLD KURTZMAN

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LORING SLADE
EDWARD JOSEPH SOSHNIK
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SARAH FRENCH

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ALEX HIMMELMAN
MADGE HOFFMAN
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WILLIAM WOLKOFF

The University of Minnesota

FIFTIETH
ANNUAL COMMENCEMENT
1922



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

ORDER OF EXERCISES

President LOTUS D. COFFMAN, Presiding

PROCESSIONAL—"Coronation March"

Eilenberg

THE UNIVERSITY BAND
MICHAEL JALMA, Director

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—"Education as a Force in Conciliation"

Sir ROBERT FALCONER, Litt.D., LL.D., D.D.
President of the University of Toronto

OVERTURE—"Tantalusqualen"

Von Suppé

THE UNIVERSITY BAND

CONFERRING OF DEGREES

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

ANNOUNCEMENT OF HONORS AND PRIZES

RECESSIONAL—"Emperor's Guard"

Unrath

[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

GEORGE LAMB, Leader

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

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MARJORIE BONNEY
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HELEN PALMER HART
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GORDIA ELLNORE MAYLAND
FAYTHE MENDOWITZ
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REUBEN ELLESTAD

BETTY SULLIVAN

KATHRYN DENISE HAMMOND

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NORMAN SYDNEY CASSEL
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AXEL OSWALD LANGSETH
KARL EDWARD LUGER

DOUGLAS RALPH MANUEL
WILLIAM TRUESDELL MORIN
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JENNIE ENSIO WALL
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MARION HELEN WILSON
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THE GRADUATE SCHOOL

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RUDOLPH ANDERSON
 B.A. '19, Minnesota
 Major, Economics
 Minor, Economics
 Thesis, Perpetual Inventories

ALICE LEORA BERRY
 B.A. '14, Minnesota
 Major, Sociology
 Minor, Economics
 Thesis, Problems in Personnel Administration in Social Work with Special Emphasis upon the Club Worker Group

ADA BURKE BING
 B.A. '13, Indiana
 Major, Educational Psychology
 Minor, English
 Thesis, Measurement of the Results of Instruction of High School Freshmen in English Composition

SUE MARIE BURTON
 B.A. '21, Minnesota
 Major, English
 Minor, Romance (French)
 Thesis, A Comparison of the Picaresque Methods of Defoe and Lesage

PU YUNG CHANG
 M.D. '17, Peking, China
 Major, Bacteriology
 Minor, Pathology
 Thesis, Studies of the Effect of the Surface Tension of the Culture Medium on the Baccillus Tuberculosis

CLARA ELIZABETH DEALEY
 B.A. '18, Brown
 Major, Educational Psychology
 Minor, Sociology
 Thesis, Problem Children in the Kindergarten, the First and Second Grades

MARIE BEATRICE DENNEEN
 B.A. '12, Minnesota
 Major, Latin
 Minor, English
 Thesis, English Derivatives from Latin

MALCOLM FISH FARLEY
 B.A. '21, Hamline
 Major, Romance (French)
 Minor, Comparative Philology
 Thesis, Leconte de Lisle and the Hellenistic Element in his Poetry

- DONALD NIVISON FERGUSON
 B.A. '04, Wisconsin
 Major, Romance (French)
 Minor, History
 Thesis, The Relation of Melody to
 the Poetry of the Troubadours
- EDWIN RAY FOSS
 B.S. '16, Hamline
 Major, Educational Administration
 Minor, Educational Psychology
 Thesis, School Revenue and Ex-
 penditures in St. Louis County,
 Minnesota
- EDWIN WILLIAM GAUMNITZ
 B.S. '21, Minnesota
 Major, Agricultural Economics
 Minor, Economics
 Thesis, Organization and Manage-
 ment Problems of Minnesota Co-
 operative Livestock Shipping As-
 sociations
- PAUL McCULLOUGH GILMER
 B.A. '08, Monmouth College
 Major, Entomology
 Minor, Chemistry
 Thesis, Studies in Certain Poisonous
 Larvae and Pupae
- HOFF DANIEL GOOD
 B.A. '21, Minnesota
 Major, Bacteriology
 Minor, Anatomy
 Thesis, The Electrical Properties of
 Bacteria
- LUCY ADELLA GRIMES
 B.A. '13, Yankton College
 Major, Educational Administration
 Minor, Educational Psychology
 Thesis, A Comparative Study of
 State Compulsory Attendance
 Laws and Their Enforcement
- GEORGE CASPER HAAS
 B.S. '21, Minnesota
 Major, Agricultural Economics
 Minor, Economics
 Thesis, A Statistical Analysis of
 Farm Sales in Blue Earth County,
 Minnesota, as a Basis for Farm
 Land Appraisal
- BUDD ALEXANDER HOLT
 B.S. '20, Minnesota
 Major, Agricultural Economics
 Minor, Economics
 Thesis, Organization and Manage-
 ment Problems of the Minnesota
 Potato Exchange
- RUTH WHITAKER HOPSON
 B.A. '18, Washburn College
 Major, History
 Minor, Latin
 Thesis, The Policy of the Liberal
 Party in Regard to Ireland June
 1885 to July 1886
- AGNES KEEFE
 B.A. '19, Minnesota
 Major, Romance (French)
 Minor, Romance (Spanish and Ital-
 ian)
 Thesis, Supplementary Notes on the
 Life and Works of Louis de
 Boissy
- CLARA McCLUSKEY
 B.A. '18, Minnesota
 Major, Latin
 Minor, History
 Thesis, Ludi Saeculares of Augustus
 and their Historical Significance
- ROBERT JOHNSTON MAYO
 B.S. '00, Minnesota
 Major, Educational Administration
 Minor, Educational Psychology
 Thesis, The Relation Between
 School Problem and Social Prob-
 lem

- FRIDA PLIEFKE
B.A. '21, Minnesota
Major, History
Minor, Rhetoric
Thesis, Public Opinion in Minnesota on the Prusso-Austrian War of 1866
- DOROTHY PRATT
B.A. '21, Macalester
Major, Sociology
Minor, Anthropology
Thesis, School Feeding
- JOSEPH S. REICHERT
B.A. '15, Miami University
Major, Chemistry
Minor, Physics
Thesis, The Catalytic Synthesis of Acetals
- EMMETT ROWLES
B.A. '20, Ohio
Major, Physiology
Minor, Chemistry (Physical)
Thesis, The Relation of the Respiratory Exchange to Differentiation, Dedifferentiation, and Polarity in *Obelia* Sp.
- W. ERICH CHRISTIAN SELKE
B.A. '16, Minnesota
Major, Educational Administration
Minor, Educational Psychology
Thesis, A Study of the Training, Experience, Salaries, Expenditures, and Living Conditions of the Teachers in Minnesota in 1920
- MALCOLM CHESNEY SHURTLIFF
B.A. '20, Dakota Wesleyan
Major, History
Minor, Political Science
Thesis, The Introduction of Methodism in Minnesota
- SISTER TERESA TOOMEY
B.A. '17, Minnesota
Major, Philosophy
Minor, English
Thesis, The Place of Citizenship in the Platonic Ideal of Life
- HOMER JOHN SMITH
Ph.B. '15, Wisconsin
Major, Educational Administration
Minor, Educational Psychology
Thesis, Industrial and Vocational Teacher-Training: A Study of Standards of Teaching Fitness and Their Recognition in Present Two-Year and Four-Year Curricula
- LYNN ELBERT STOCKWELL
B.S. '20, Minnesota
Major, Educational Administration
Minor, Vocational Education
Thesis, Content of Industrial Courses for Boys in the Junior High Schools of the United States
- GLENN FARRAND VARNER
B.A. '19, Minnesota
Major, Educational Psychology
Minor, Educational Administration
Thesis, The Ability of Teachers to Estimate the Intelligence of Pupils
- WILLIAM PETER VON LEVERN
B.S. '21, Bradley Institute
Major, Educational Administration
Minor, Educational Psychology
Thesis, Educational and Vocational Guidance in the Junior High School
- ELWYN HASKELL WELCH
B.A. '18, Pomona College
Major, Anatomy
Minor, Physiology
Thesis, The Development of the Musculature of the Human Stomach with Special Reference to its Condition in the Newborn Child and the Premature Infant
- MORTON HERMAN ZABEL
B.A. '21, St. Thomas
Major, English
Minor, Philosophy
Thesis, Smollett and Dickens, A Comparative Study

WILLIAM ARTHUR ZIEGLER

B.A. '19, Minnesota

Major, Educational Administration

Minor, Educational Psychology

Thesis, Classification According to
Intelligence Tests, Seventh and
Eighth Grades, Thief River Falls,
Minnesota

MASTERS OF SCIENCE

OLAF SVERRER AAMODT

B.S. '17, Minnesota

Major, Agronomy

Minor, Plant Pathology

Thesis, The Inheritance of Growth
Habit and Resistance to Stem
Rust in a Cross Between Two
Varieties of Common Wheat

CLIFTON WALTER ACKERSON

B.S. '21, Minnesota

Major, Biochemistry

Minor, Physiologic Chemistry

Thesis, The Antiscorbutic Property
of Market Milk

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Major, Geology

Minor, Paleontology

Thesis, Mineral Composition of
Certain Minnesota Sands and its
Relation to Suitability for Use in
Concrete

RAYMOND AUNE

B.S. '21, Minnesota

Major, Animal Husbandry

Minor, Dairy Husbandry

Thesis, The Suitability of Several
Rations for Wintering Lambs

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D.V.M. '18, Michigan Agricultural
College

Major, Veterinary Medicine

Minor, Entomology

Thesis, The Bacteriology and Pa-
thology of Sterility in Cattle

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Major, Agricultural Economics

Minor, Farm Management

Thesis, Recent Tendencies in the
Economics of the Dairy Industry
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Major, Plant Pathology

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Thesis, Some Factors Affecting the
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ease of the Irish Potato

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Minor, Agronomy

Thesis, The Comparative Value of
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Minor, Botany

Thesis, Studies on the Parasitism of
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B.A. '06, Gustavus Adolphus, M. A.

'08, Ph.D. '09, Minnesota

Major, Pathology

Minor, Bacteriology

Thesis, The Development of Fol-
licular Cysts in the Pre-Puberty
Period and Their Relation to Epi-
thelial Tumors of the Ovary

RUBY MAY COON

B.S. '18, Minnesota

Major, Education

Minor, Home Economics

Thesis, An Investigation for the Purpose of Ascertaining Certain Important Cost Elements in Home Economics in Minnesota State Aided High Schools

LELAND LEONARD DE FLON

B.S. '18, Minnesota

Major, Forestry

Minor, Biochemistry

Thesis, A Study of the Structure and Physical Properties of the Walnuts and Hickories of Minnesota

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M.E. '20, Minnesota

Major, Geology

Minor, Petrology

Thesis, The Relation of Mineral Deposits to the Pyroxenites and Peridotites in North America

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B.S. '21, Missouri

Major, Biochemistry

Minor, Bacteriology

Thesis, Factors Influencing Lactose Crystallization in the Occurrence of "Sandy" Ice Cream

GORDON LEWIS FLACK

B.S. '19, M.A. '20, Alberta

Major, Animal Husbandry

Minor, Dairy Husbandry

Thesis, Correlation Between Show Yard Winnings and Inbreeding and Outbreeding

JERVIS MOISSAN FULMER

B.S. '20, Washington State College

Major, Chemistry (Industrial)

Minor, Chemistry (Physical)

Thesis, Chemical Products from Flax Shives

JAMES BISHOP HARRINGTON

B.S. '20, Saskatchewan

Major, Horticulture

Minor, Plant Pathology

Thesis, The Mode of Inheritance of Resistance to Puccinia Graminis in Relation to Seed Color in a Cross Between Two Varieties of Durham Wheat

LUCILE KRANZ HEISIG

B.A. '19, Minnesota

Major, Chemistry (Organic)

Minor, Chemistry

Thesis, The Preparation of Beta Quinolinic Hydroxamic Acid

CLARA THOMAS HOFFMAN

B.A. '19, Nebraska Wesleyan University

Major, Biochemistry

Minor, Home Economics

Thesis, Biochemical Properties of the Blood of Pigeons in Polyneuritis and Simple Inanition as Compared with the Blood of Normal Pigeons

LELAND AMBROSE JESSUP

B.S. '20, Purdue University

Major, Animal Husbandry

Minor, Dairy Husbandry

Thesis, Producing Pork by Hogging Down Corn

HENRY NORMAN KALDAHL

B.S. '20, Minnesota

Major, Animal Husbandry

Minor, Agricultural Economics

Thesis, The Value of Several Rations for Baby Beef Production

PURLEY LORENZO KEENE

B.S. '15, Minnesota

Major, Horticulture

Minor, Entomology

Thesis, A Study of the Factors Affecting the Callusing and Rooting of Hardwood Apple Cuttings

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B.S. '20, Minnesota
Major, Plant Pathology
Minor, Horticulture
Thesis, The Effect of Chemical
Dusts on Cereal Smuts
- RAYMOND HORACE LONDON
B.A. '19, Macalester
Major, Botany
Minor, Geology
Thesis, Vegetational Development
on the Rock Cliffs of the Minne-
apolis Region
- MARC CARL LEAGER
B.S. '06, Minnesota
Major, Agricultural Economics
Minor, Agricultural Education
Thesis, A Cost Accounting System
for a Terminal Grain Elevator
- ETHEL MARIE MYGRANT
B.A. '17, Wisconsin
Major, Botany
Minor, Horticulture
Thesis, A Morphological and Cyto-
logical Study of Styles and Stig-
mas
- EDMOND NEWELL NELSON
B.S., '19, South Dakota State College
Major, Bacteriology
Minor, Veterinary Medicine
Thesis, Immunologic Studies of
Actinomycetes, with Special Ref-
erence to the Acid-Fast Species
- ROBERT JACKSON NOBLE
B.S. '15, Sydney, Australia
Major, Plant Pathology
Minor, Agronomy
Thesis, Studies on Flag Smut of
Wheat
- HUBERT LAWRENCE PERSON
B.S. '21, Minnesota
Major, Entomology
Minor, Forestry
Thesis, An Ecological Study of the
Larch Sawfly
- HARRISON ASHLEY SCHMITT
B.A. '21, Minnesota
Major, Geology
Minor, Chemistry
Thesis, An Experimental Investiga-
tion as to the Possible Commer-
cial Production of Potash from
Minnesota Rocks
- CHARLES EDWARD SHEPARD
B.S. '21, Minnesota
Major, Physiology
Minor, Pharmacology
Thesis, The Distribution of Calcium
in the Tissues: with Special Ref-
erence to Smooth and Striated
Muscle
- SISTER REMBERTA WESTKAEMPER
B.A. '19, St. Benedict College
Major, Botany
Minor, Chemistry
Thesis, On the Occurrence, Distri-
bution and Periodicity of some
Minnesota Algae
- HELEN WHITAKER
B.A. '19, Washburn College
Major, Astronomy
Minor, Mathematics
Thesis, A Comparison of Methods
of Computing the Orbit of an
Asteroid from Three Places,
Based on Calculations of the
Orbit of Eros
- ARTHUR NOBLE WILCOX
B.S. '19, Wisconsin
Major, Agronomy
Minor, Botany
Thesis, The Effects in Corn of Cer-
tain Lethal Factors when in the
Heterozygous Condition
- HELEN RIDER WORKING
B.S. '20, Cornell
Major, Education
Minor, Home Economics
Thesis, Significant Aspects of the
Homemaker's Occupation on Dif-
ferent Economics and Social
Levels

MASTER OF SCIENCE

In Engineering

GILBERT COBB STAEHLE

B.S. '20, Minnesota

Major, Structural Engineering

Minor, Civil Engineering

Thesis, An Analytical and Experimental Study of Reinforced Concrete Columns

MASTER OF SCIENCE

In Dermatology and Syphilology

GEORGE J. BUSMAN

B.S. '16, Michigan

M.D. '18, Michigan

Major, Dermatology

Minor, Bacteriology

Thesis, A Clinical and Histopathological Study of Malignant Endotheliomas as Exemplified by Three Cases with Cutaneous Involvement

MASTERS OF SCIENCE

In Medicine

JAMES ARTHUR BUCHANAN

M.D. '15, Pennsylvania

Major, Medicine

Minor, Pathology

Thesis, A Consideration of the Laws of Heredity and their Application to some Conditions in Man

WILLIAM CALVERT CHANEY

M.D. '17, Pennsylvania

Major, Medicine

Minor, Pathology

Thesis, The Clinical and Pathological Aspects of Splenic Anemia

MASTER OF SCIENCE

In Oto-Laryngology and Rhinology

HERRMANN EUGENE BOZER

B.A. '16, Michigan

M.D. '19, Michigan

Major, Oto-Laryngology and Rhinology

Minor, Pathology

Thesis, Chronic Suppurative Otitis Media

MASTER OF SCIENCE

In Pathology

ARTHUR EDWIN MAHLE

B.S. '16, Minnesota

M.D. '18, Washington University

Major, Pathology

Minor, Bacteriology

Thesis, The Morphological Histology
of Adenocarcinoma of the Body of
the Uterus in Relation to Longevity

MASTERS OF SCIENCE

In Surgery

CLAYTON FARRINGTON ANDREWS

Ph.G. '09, Creighton College

M.D. '16, Pennsylvania

Major, Surgery

Minor, Pathology

Thesis, Primary Retroperitoneal
Sarcoma with Report of Cases

JAMES ALBERT H. MAGOUN

B.A. '12, Princeton

M.D. '16, Pennsylvania

Major, Surgery

Minor, Pathology

Thesis, Absorption from the Uri-
nary Tract

SAM BROCK

B.A. '11, Georgia

M.D. '16, John Hopkins

Major, Surgery

Minor, Bacteriology

Thesis, Chronic Anthritis

EDWARD VERNON MASTIN

M.D. '16, Pennsylvania

Major, Surgery

Minor, Pathology

Thesis, The Blood Supply of the
Thyroid Gland and its Surgical
Significance

MERLE RUSSEL HOON

B.A. '14, Westminster

M.D. '18, Pennsylvania

Major, Surgery

Minor, Pathology

Thesis, Solid Tumors of the Ovary

DUNCAN PARHAM

M.D. '18, Tulane University

Major, Surgery

Minor, Pathology

Thesis, Studies in Obstructive Jaun-
dice

ARNOLD STEVENS JACKSON

B.A. '16, Wisconsin

M.D. '19, Columbia

Major, Surgery

Minor, Pathology

Thesis, Diseases of the Thyroid
Gland

KINSLEY RENSCHAW

B.A. '16, Minnesota

M.D. '16, Minnesota

Major, Surgery

Minor, Pathology

Thesis, Malignant Neoplasia of the
Extrahepatic Biliary Tract

JAMES WELLS ROSS
M.D. '15, Toronto
Major, Surgery
Minor, Pathology
Thesis, Carcinoma of the Cervix
Uteri

HENNING FRITHJOF BLOOMBERG WIESE
Gymnasium, '11, Christiania, Norway
M.D. '15, Christiania, Norway
Major, Surgery
Minor, Pathology
Thesis, Post-operative Thrombo-
Phlebitis

MASTERS OF SCIENCE

In Urology

ARTHUR RAYMOND KNAUF
B.S. '14, Chicago
M.D. '16, Chicago (Rush)
Major, Urology
Minor, Pathology
Thesis, Clinical Conditions Follow-
ing Transplantation of Ureters
for Exstrophy of the Bladder

RAYMOND LEE LATCHEM
M.D. '11, Chicago (Rush)
Major, Urology
Minor, Pathology
Thesis, The Ureter after Nephrect-
omy

CHEMICAL ENGINEERS

SAMUEL ISAAC ARONOVSKY
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, Use of Vacuum in Making
Sulphite Pulp

FREDERICK WILLIAM RIDDINGTON
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, Effect of Constituents in
Molasses on the Decolorizing
Properties of Carbons

REUBEN WILLETT CORNELL
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, Titanium Nitride, Prepara-
tion, Properties, and Uses

WESLEY JOHN ROBERTS
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, Properties of Metals and
Alloys Used for Chemical Equip-
ment

MELVILLE RICHARD LEE
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, An Attempt to Make Low-
Sulphur Coke from High-Sulphur
Coal

OSCAR CORNELIUS SCHERMER
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, Composition of Corn Cob
Tar

MARSHALL ALDERBERT PETERSON
B.S. '21, Minnesota
Major, Chemical Engineering
Thesis, The Inter-Influence of the
Individual Metals on the Deposi-
tion of an Alloy

CIVIL ENGINEER

CARLOS WERTER DEL PLAINE

B.S. '21, Minnesota

Major, Civil Engineering

Thesis, The Disposal of Creamery
Wastes

ELECTRICAL ENGINEERS

SAMUEL ARNOLD BERG

B.A. '21, Minnesota

B.S. '21, Minnesota

Major, Electrical Engineering

Thesis, The Influence of the Variation of Air Path on the Reluctance of Iron and Air Core Solenoids

HUGO WILLIAM WAHLQUIST

B.S. '21, Minnesota

Major, Electrical Engineering

Thesis, An Investigation of the Magnetic Field of Iron and Air-Core Solenoids of Various Lengths Excited by Alternating Current

MECHANICAL ENGINEERS

LEHAN HAMER HAMLIN

B.S. '21, Minnesota

Major, Mechanical Engineering

Thesis, The Effect of Heat Treatment on the Impact Toughness of Carbon and Chrome-Nickel Steels

CARL ALBERT JOHNSON

B. S. '21, Minnesota

Major, Mechanical Engineering

Thesis, The Effect of Heat Treatment on the Impact Toughness of Carbon and Chrome-Nickel Steels

ARTHUR GUSTAVE HOLMSTINE

B.S. '17, Minnesota

Major, Mechanical Engineering

Thesis, An Investigation of Radiator Traps

SVEN ALFRED VAULE

B.S. '21, Minnesota

Major, Mechanical Engineering

Thesis, Characteristics of a Rotary Pump for Oils of Different Viscosities

DOCTORS OF PHILOSOPHY

LOUIS ANGELO BOETTIGER

B.A. '14, Illinois

M.A. '18, Minnesota

Major, Sociology

Minor, Economics

Thesis, Historical Development of Employers' Welfare Work as a Phase of Industrial Relations

MARY ELLEN CHASE

B.A. '09, Maine

M.A. '18, Minnesota

Major, English

Minor, English and Romance (French)

Thesis, A Comparative Study of Several Versions of Thomas Hardy's Novels, *The Mayor of Casterbridge*, *Tess of the D'Urbervilles*, and *Jude the Obscure*

- FERDINAND ALBERT COLLATZ
 B.S. '18, M.S. '20, Minnesota
 Major, Biochemistry
 Major, Plant Pathology
 Thesis, Flour Strength as Influenced
 by the Addition of Diastic Fer-
 ments
- WILLIAM CARMICHAEL COOK
 B.S. '17, Cornell
 M.S. '20, Minnesota
 Major, Entomology
 Minor, Entomology
 Thesis, Studies in the Physical Ec-
 ology of the Noctuidae
- LOUISE DOSDALL
 B.A. '16, M.A. '17, Minnesota
 Major, Plant Pathology
 Minor, Botany
 Thesis, Factors Influencing the
 Pathogenicity of *Helminthospor-
 ium Sativum* Pammel, King and
 Bakke
- GEORGINA TALBOT DROITCOIR
 B.A. '18, M.A. '20, Minnesota
 Major, History
 Minor, Political Science
 Thesis, The English Manorial Group
 with Special Reference to the
 Manors belonging to the Bishopric
 of Winchester in the Thirteenth
 Century
- RALPH JOHN GARBER
 B.S. '12, Illinois
 M.S. '17, Minnesota
 Major, Agronomy
 Minor, Botany
 Thesis, Inheritance and Yield with
 Particular Reference to Rust Re-
 sistance and Panicle Type in Oats
- JOHN WALTER GRUNER
 B.A. '17, New Mexico
 M.A. '19, Minnesota
 Major, Geology
 Minor, Chemistry and Petrology
 Thesis, Organic Matter and the
 Origin of the Biwabik Iron Bear-
 in Formation of the Mesaba
 Range
- ELDEN BENNETT HARTSHORN
 B.S. '12, Dartmouth
 Major, Chemistry
 Minor, Physics
 Thesis, Some Substituted Arylpial-
 kylamine Oxides
- MARGARET KINCAID
 B.A. '17, Vassar
 M.A. '18, Cornell
 Major, Psychology
 Minor, Educational Psychology
 Thesis, An Experimental Study of
 Variability in Learning
- JULIAN GILBERT LEACH
 B.S. '17, Tennessee
 M.S. '18, Minnesota
 Major, Plant Pathology
 Minor, Biochemistry
 Thesis, The Parasitism of Collet-
 otrichum lindemuthianum
- MARGARET NEWTON
 B.S. '18, M.S. '19, McGill
 Major, Plant Pathology
 Minor, Botany
 Thesis, Studies in Wheat Stem Rust
- NORVILLE CLARENCE PERVERI
 B.S. '16, M.S. '17, Iowa State College
 Major, Biochemistry
 Minor, Physiologic Chemistry
 Thesis, The Estimation of Pentoses
- ARCHIE DAYTON POWER
 B.S. '11, Baker University
 M.A. '12, Kansas
 Major, Physics
 Minor, Chemistry (Physical)
 Thesis, The Coefficient of Recombina-
 tion of the Natural Ions in Atmos-
 pheric Air, an Allied Phenomena
 Associated with Weak Atmospheric
 Ionization

OSWALD ROGNLEY*
B.A. '15, St. Olaf
M.A. '17, Minnesota
Major, Physics
Minor, Mathematics
Thesis, The Motions of Ions in the
Atmosphere

LOUYS ANTHONY RUMSEY
B.S. '12, M.S. '13, Denison Univer-
sity
Major, Biochemistry
Minor, Chemistry (Physical)
Thesis, Diastatic Enzymes of Wheat
Flour in Their Relation to Flour
Strength

HELEN MARGARET SCURR
B.A. '17, Simpson College
M.A. '20, Minnesota
Major, English
Minor, German
Thesis, Henry Brooke

PAUL FRANCIS SHARPE
B.A. '17, Nebraska Wesleyan
M.S. '20, Minnesota
Major, Biochemistry
Minor, Chemistry (Physical)
Thesis, Viscosity as a Measure of
Hydration Capacity of Wheat
Flour and its Relation to Baking
Strength

FREDERICK LAMSON WHITNEY
Ph.B. '06, M.A. '14, Chicago
Major, Educational Administration
Minor, Educational Psychology
Thesis, The Administration of Prac-
tice Teaching in Normal Schools

* Degree conferred post obitum, died April 7, 1922.

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

WESLEY REINHOLD HILLER	BENEDICT ALBERT SHIMEK
MYRON HOFF MILLER	HARVEY CAPELL STONE
GEORGE THEODORE OLSON	LLOYD JORDAN STRAUB
PAUL HAROLD PETERSON	HAROLD NORMAN WEICKERT
FRANK RAPACZ	ANTHONY JOHN WEINERT

Second Lieutenant, Coast Artillery Corps

DEWEY FOREST MATTSO	WALTER CHARLES PETERS
---------------------	-----------------------

Second Lieutenant, Signal Corps

BERTIN ALLEN BISBEE	JOHN EDWARD KING
EARL STANLEY BJONERUD	ARNIM GILBERT OLSON
ORNEY EMIL DUNNUM	JOHN ELMER SORENSON
ABNER WILLIAM WILSON	

Second Lieutenant, Infantry

PAUL ELMER CASSERLY	JOHN ELIPHALET ROWELL
GEORGE DANA REED	RALPH MELVIN WILLIAMS

CERTIFICATES OF ELIGIBILITY

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

Second Lieutenant, Infantry

ROBERT J. BARRY	JOHN M. PRINS
-----------------	---------------

Second Lieutenant, Coast Artillery Corps

WALTER F. VILLAUME

DEGREES WITH DISTINCTION

In Medicine

ALFRED NICHOLAS BESSESEN, JR., ROBERT GLADDING GREEN,
B.S., M.B. B.A., M.B., M.A.
LE ROY MICHAEL ALOIS MAEDER, B.S., M.B., M.A.

THE ALBERT HOWARD SCHOLARSHIP

HELEN HART, A. '22

THE CLASS OF 1890 FELLOWSHIP

FLOYD B. MOE, A. '22

THE MRS. ELBERT L. CARPENTER SCHOLARSHIP

HORTENSE ROBERTS, A. '24

THE MRS. GEORGE C. CHRISTIAN SCHOLARSHIP

FLORENCE WEAVER, AU

THE NINA MORAIS COHEN SCHOLARSHIP

CELIA ISRAELEVITZ, A. '24

THE MRS. GEORGE P. DOUGLAS SCHOLARSHIP

ELLEN MOSBAEK, Ed. '24

THE GEORGE H. PARTRIDGE SCHOLARSHIPS

CONSTANCE GOLDEN, A. '25 GERDA MORTENSON, EdU
MARGARET JORGENSEN, Ed. '23 ESTHER OVERBY, A. '24
ESTHER TAYLOR, A. '25

THE P. E. O. SCHOLARSHIP

JESSIE HOWE, Ag. '23

THE MINNEAPOLIS COLLEGE WOMAN'S CLUB
SCHOLARSHIPS

HELEN KASKE, A. '25 HELEN THOMPSON, A. '25
AGNES KEEGAN, A. '25 ISABELLE ZANGER, A. '25

THE ST. PAUL COLLEGE CLUB SCHOLARSHIPS

ELSIE GADBOIS, A. '24 MABEL HODNEFIELD
JEAN HEGER DULCIE KEES, Ed. '23

THE FACULTY WOMEN'S CLUB SCHOLARSHIP

LINETTE NELSON, A. '24

THE MINNEAPOLIS WOMAN'S CLUB SCHOLARSHIP

EVELYN MAYMAN, A. '24

THE WOMEN'S SELF-GOVERNMENT ASSOCIATION
SCHOLARSHIPS

ALTHEA GARDNER, Ag. '23
JENNIE GRAHAM, B. '23

HELEN SCHWEND, Ed. '23
HERTA VASANOJA, Ag. '23

THE AGRICULTURAL FACULTY WOMEN'S CLUB
SCHOLARSHIPS

ELLEN COVELL, Ag. '23

BETH HARVEY, Ag. '23

THE PHI UPSILON OMICRON SCHOLARSHIP

ESTHER K. BORGMAN, Ag. '24

PRIZES

THE LUDDEN TRUST PRIZES FOR THE FRESHMAN-
SOPHOMORE ORATORICAL CONTEST

First Place

LLEWELYN PFANKUCHEN, A. '25

Second Place

CARL E. ANDERSON, A. '25

Third Place

LESTER ORFIELD, A. '25

THE '89 MEMORIAL PRIZE IN HISTORY

FLOYD B. MOE, A. '22

THE JOURNAL PRIZES IN HISTORY

FANNIE M. MARTIN, A. '22

BERGLIOT NISSEN, A. '22

THE ROLLIN E. CUTTS PRIZE IN SURGERY

FREDERICK S. RICHARDSON, Md. '24

THE GEIST PRIZES FOR RESEARCH IN ANATOMY

First Prize

OLIVER J. MOREHEAD, Gr

Second Prize

RICHARD S. AHRENS, Md. '24

THE WILLIAM JENNINGS BRYAN PRIZE IN POLITICAL
SCIENCE

MARJORIE BONNEY, A. '22

THE ALUMNI WEEKLY GOLD MEDAL

MAX SHAPIRO, L. '24

DEGREES CONFERRED SINCE JUNE 15, 1921
UNTIL DECEMBER 15, 1921

DEGREES

BACHELORS OF ARTS

MILDRED ALLEN	CATHERINE ELIZABETH HVOSLEF
ELEANORE ANDERSON	MARGARET ELIZABETH KENNEALLY
GEORGE ALFRED BENSON	ISABEL KNOPP
HENRIETTA BENTON	RUSSELL CONWELL LARSEN
CORINNE BULAND	MARNE MARIE LAURITSEN
FRANK R. CHASE, JR.	MAE MCBRIDE
MARGUERITE DAILY	FANNIE E. MAGOFFIN
DOROTHY M. EDGERTON	AGNES MARY MOAN
FRANK E. HALL	ANTONIA LOUISE NYQUIST
WALTER RUDOLPH HARTMAN	A. JOHN ELMER OSTBY
CLARENCE HOLMBERG	BERNADINE PRATT
HAROLD D. HOPP	CLARA THIRZA SCHNEIDER
	E. HILDEGARDE SWENSON

BACHELORS OF SCIENCE

(Academic-Medical)

RAYMOND NICHOLAS BIETER	ABRAHAM BENJAMIN ROSENFELD
PHILIP FRANKLIN ECKMAN	BENJAMIN BRUCE SOUSTER
HAROLD O. LUND	ROLLAND HARVEY WILSON
GEORGE ARTHUR PAULSON	ALVIN PONTUS WOLD

(Arts and Nursing)

BERTHA GRACE BRUBAKER	MARY FRANCES MADIGAN
-----------------------	----------------------

In Civil Engineering

GEORGE M. CHRISTILAW	ROBERT WALTER MUESSEL
----------------------	-----------------------

In Electrical Engineering

PAUL DODGE AUSTIN	CARL PHILIP CARLSON
HARROLD L. BARGER	RICHARD LEROY NELSON
WILLIAM GLADSTONE BRIGGS	CHARLES WILLARD PEARSON
	PAUL RAYMOND WILSON

In Engineering

KENNETH AUSTIN GODWIN

MILTON DUNCAN McLEAN
JOSEPH EARL YOUNG

In Architecture

GEORGE LEIGHTON DAHL

(Course in Agriculture)

SIDNEY EARL DANIELSON
DIETRICH J. HEPPNER

GEORGE MARTIN PETERSON
CLAIR HOVEY ST. JOHN

(Course in Home Economics)

HILDA CAROLINE GALCHUTT
IRENE ALYDA HEDIN

ESTHER M. LARSON
LUCILE WINIFRED REYNOLDS

In Pharmacy

CHARLES V. NETZ

In Business

JOHN WERNER AURA

In Education

HAZEL MAY BENSON
HELEN MARY COLEMAN
ELSIE DANENE DANIELSON
INEZ DIXON
GERTRUDE DROHAN
MARIE FAZENDIN
MARY VERONICA GOULD
RALPH EDSON GRAHAM

LYLE GEORGE JAMES
BLANCHE L. LIGHTBOURN
ROSS LYNCH
JESSIE ANN MORE
TIMOTHY O'KEEFE
JENNIE OLSON
HELEN JOSEPHINE PRINDEVILLE
WESLEY THURMAN

MILDRED HERMINE TOLAAS

BACHELORS OF LAWS

AMOS SPENCER DEINARD
BENEDICT SPINOZA DEINARD
EDWIN FREDRICKSON
GEORGE MILFORD HOLLENBECK

LEWIS E. LOHMANN
SAMUEL H. McELHANEY
AMOS DAVID OWEN
AXEL CARL RICHARD SWENSON

DOCTORS OF MEDICINE

HENRY HAROLD BLAUSTONE, B.S., M.B. LEROY JAMES LARSON, B.S., M.B.
HARRY ANTHONY DANIELS, B.S., M.B. HAROLD MORRISON, B.S., M.B.
GEORGE CHRISTOPHER DOYLE, B.A., M.B. ROLF SCHUTZ NANNSTAD, B.S., M.B.
ROBERT GUTSELL, B.A., M.B. HENRY NORRGARD, B.A., M.B.
ELLSWORTH JULIAN JOHNSON, B.S., M.B. MARK EDWARD RYAN, B.S., M.B.
RAYMOND SULLIVAN, B.S., M.B.

BACHELORS OF MEDICINE

ARTHUR J. COLBERG, B.S.

HAROLD O. LUND

DOCTORS OF DENTAL SURGERY

RAMON RALPH CARLSTON

ESTHER ROSE HOLWAY

HAROLD PALMER JACOBSEN

HAROLD EZRA MCINTIRE

SAMUEL STANLEY ROSENBLOOM

HAROLD WILLIAM SCHMITT

FREDERICK VINCENT SCHRADLE

STEPHANIE I. SCHULZ

BYRON WADE STUNKARD

EDWARD HENRY VOS

GUNNAR N. WENNERBERG

HARRY NILES WILLIAMS

PHARMACEUTICAL CHEMISTS

THOMAS HAROLD ABBOTTS

WILEY C. BAINES

DEGREES GRANTED DECEMBER 15, 1921

THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

BACHELORS OF ARTS

LAWRENCE JOHN ANDREWS
VICTOR R. ANDRIST
RACHEL ELIZABETH BEARD
B. BERTHA BRILL
MARGARET E. BROWN
JOHN STANLEY DONAHOE
JEAN GEMMEL ELMQUIST
CECILIA FRANK
FRANCES HARRISON
CHARLES A. HATCH

DAVID RICHARDSON HAUPT
ALTA HALVERSON HAYNES
ELIZABETH DELIGHT HUNTLEY
JEANETTE KIRCHNER
CORALUNDE
THOMAS EUGENE MAAS
ARNOLD C. OSS
JESSICA POTTER
SILAS VINCENT REEDY
JOSEPH YOUNG SIEUX

BACHELORS OF SCIENCE

(Academic Medical)

MAX WILLIAM ALBERTS
ARNOLD SIBERT ANDERSON
CARL EDWIN ANDERSON, B.A.
DAVID HENRY EISENSTADT
PAUL RUSSELL GRONVALL
JOHN E. HOLT
DAVID JOSEPH LEWIS

JAMES JOSEPH MORROW
OLIVER EARL NELSON
ERNEST ALLWIN OLSON
HERMAN P. RADTKE
ERWIN EDWARD STEPHENS
CLARENCE A. STRUNK
ELMER W. WHITCOMB

THE COLLEGE OF ENGINEERING AND ARCHITECTURE

BACHELOR OF SCIENCE

In Engineering

EDWARD H. ADAMS

BACHELORS OF SCIENCE

In Electrical Engineering

LAWRENCE WALDEMAR HAGELIN
ALVA WESTON MERRITT

JOSEPH FELIX SANNICOLO
KARL WILLIAM SELANDER

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

BACHELORS OF SCIENCE

Course in Agriculture

HARLOW ROESLER BIEMAN
CLAYTON W. BRAY

RODNEY CHARLES HASTINGS
CLYDE LUVERNE LARRABEE

BACHELORS OF SCIENCE

Course in Home Economics

ISADORE E. CAREY
RUTH ELIZABETH FITCH
LOUISE SOPHIA LARSON
MARTHA LITZ

MARIE ELIZABETH LUNDEBERG
FERN E. OSBECK
MARJORIE VICTORIA THORP
HELEN MAR TORINUS

THE LAW SCHOOL

BACHELORS OF LAWS

ADOLPH F. HOLM, B.A.
ANTHONY CLAUDE KOLDA, B.A.
HARVEY BURKE LINDHOLM
LEO P. McNALLY

FRED A. OSSANNA, B.A.
AXEL MARTIN TOLLEFSON, B.A., M.A.
SHELDON MATTHEW WATTS
CLAIRE DAVID WELCH

THE MEDICAL SCHOOL

DOCTORS OF MEDICINE

With Distinction

ALLEN RICHARD FOSS, B.S., M.B. DAVID MAURICE SIPERSTEIN, B.S., M.B.

DOCTORS OF MEDICINE

HJALMAR MELANCHTON BERGE, B.S., M.B.	MILO PHIL GERBER, B.A., B.S., M.B.
JOSEPH FREDERICK BICEK, B.S., M.B.	A. EDWARD GOURDEAU, B.S., M.B.
PAUL GERHARD BOMAN, B.A., B.S., M.B.	FRANK R. HIRSHFIELD, B.S., M.B.
HAROLD SAMUEL BOQUIST, B.A., B.S., M.B.	DAVID H. JOHNSON, B.S., M.S., M.B.
RUTH EVELYN BOYNTON, B.S., M.B.	GEORGE MARIUS LANDROCK, B.A., B.S., M.B.
CLARENCE WILLIAM BRUNKOW, B.A., B.S., M.B.	ARTHUR H. LANGHOFF, B.S., M.B.
ASA GLENN CHURCHILL, B.S., M.B.	EWING CLEVELAND McBEATH, B.S., D.D.S., M.B.
RAYMOND MARTIN EPPARD, B.S., M.B.	BENJAMIN JAMES MARTIN, B.A., B.S., M.B.
OSCAR JULIUS ENGSTRAND, B.S., M.B.	EDWARD ALEXIS REGNIER, B.S., M.B.
WALTER HENRY FINK, B.S., M.B.	PETER S. RUDIE, B.S., M.B.
VERNE SMITH GEAREY, B.S., M.B.	BERNARD HENRY SIMONS, B.S., M.B.
RALPH WALLACE WARNOCK, B.S., M.B.	

BACHELORS OF MEDICINE

ROBERT WARREN ADAMS, Ph.B.	LEROY MICHAEL ALOIS MAEDER, B.S., M.A.
PAN CODELLAS, B.S.	PAUL FREDERICK MEYER, B.S.
IVOR THEODORE DAHLIN, B.S.	STANLEY C. MULHOLLAND, B.A., B.S.
LEWIS MORGAN DANIEL, B.S.	ROBERT COLLIVER MURDY, B.A., B.S.
BENJAMIN A. DVORAK, B.S.	CHESTER LEONARD OPPEGAARD, B.S.
RUSSELL MILTON FARNHAM, B.A., B.S.	PERCY LAING OWENS, B.S.
BURTON CALVIN FORD, B.A.	HERMAN P. RADTKE
ROBERT GLADDING GREEN, B.A.	GEORGE EDWARD RICHARDSON, B.A.
DEFOREST RAYMOND HASTINGS, B.S.	WILLIAM PEACEY SHEPARD, B.S.
HARRY C. JENSEN, B.S.	RAYMOND JACOB SPURZEM, B.A., B.S.
ROY ENOCH JERNSTROM, B.S.	EDWIN JOHN TANQUIST, B.S.
FRANK JOSEPH KUCERA, B.S.	SOLVEIG SIGRID THORARSON, B.A.
LEONARD WINFIELD LARSON, B.S.	SOFUS E. URBERG, B.A.
BRAND A. LEOPARD, B.S.	REUBEN HERMAN WALDSCHMIDT, B.S.
EARL R. LOWE, B.S.	OWEN HARDING WANGENSTEEN, B.A., B.S.
MAURICE WILLARD McINERNEY, B.S.	HOWARD HARTNETTE WOLFE, B.S.
WILLIAM BURNS McMURTRIE, B.S.	

THE SCHOOL OF NURSING

GRADUATES IN NURSING

ESTHER MARIE ANDERSON	NORMA RUTH KING
EDITH FRANCES BABBIDGE	BARBARA SAWYER LEE
CONSTANCE CLAPP	HELEN JOSEPHINE CATHERINE McKEON
GLADYS UNA ELLSWORTH	MYRTLE MANGER
MABEL BARBARA GANDER	IRENE ISABEL WITHEY

THE COLLEGE OF DENTISTRY

DOCTORS OF DENTAL SURGERY

HILTON SYDNEY DURBAHN	VERNON DAY SMITH
CARL J. E. OLSON	VERNON LAVERNE WHITNEY

THE SCHOOL OF CHEMISTRY

BACHELORS OF SCIENCE

In Chemical Engineering

SAMUEL ISAAC ARONOVSKY	WESLEY JOHN ROBERTS
------------------------	---------------------

COLLEGE OF EDUCATION

BACHELORS OF SCIENCE

MABEL EVELYN BOSS	HELEN GERTRUDE KEENAN
LYLE GORDON GRANT	FLORENCE MARGARET KELSEY
GLADYS LENORE JOHNSON	MARGARET MARY NEWELL
	VIRGINIA MERLE NORBY

THE SCHOOL OF BUSINESS

BACHELORS OF SCIENCE

In Business

WILLET M. MESSENGER

KARL V. PIEPER

FLORENCE GAYLE RIVKIN

ALOIS GREGORY SCHEIDEL

THE GRADUATE SCHOOL

MASTERS OF ARTS

HILDING CORNELIUS ANDERSON

B.S. '15, M.D. '19, Minnesota

Major, Pathology

Minor, Chemistry (Physiologic)

Thesis, Blood Urea and Creatinin
after Experimental Reduction of
the Kidney Substance Changes in
the Kidney Remnant

LAURENE ELVA KROGH

B.A. '20, Minnesota

Major, Entomology

Minor, Bacteriology

Thesis, The Life History of a
Coelomic Coccidian Parasite of
Tribolium, with Notes on Certain
Other of its Parasites

FLORENCE DEFIEL

B.A. '19, Macalester

Major, Entomology

Minor, Bacteriology

Thesis, Studies on the Supposed
Toxic Qualities of *Calendra Gra-*
naria and Certain Other Coleop-
tera

HERBERT LEFKOVITZ

B.A. '20, Minnesota

Major, Political Science

Minor, History

Thesis, The Foreign Policy of the
British Labor Party

MASTERS OF SCIENCE

DIXON LLOYD BAILEY

B.A. '18, Queens University

Major, Plant Pathology

Minor, Botany

Thesis, Sunflower Rust

SAMUEL HUGH HARVEY

B.S. '16, Wesleyan University, Con-
necticut

Major, Dairy Husbandry

Minor, Agricultural Education

Thesis, Limits of Profitable Grain
Feeding for Milk Production

CHESTER DISTAD DAHLE

B.S. '20, Minnesota

Major, Dairy Husbandry

Minor, Biochemistry

Thesis, Some Physical and Chemical
Properties of Powdered Milk

HERMAN HANS JENSEN

B.S. '20, B.A. '20, Nebraska

Major, Pharmacology

Minor, Chemistry (Physiologic)

Thesis, The Relation between Chemi-
cal Structure and Physical Action
of Some Derivatives of Ortho-oxy
Benzyl Alcohol (Saligenin)

JOHN WARREN WILBUR
B.S. '19, Missouri
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, The Relation of Vitamine to
the Growth of Calves

MASTER OF SCIENCE

In Pathology

LINWOOD DICKENS KEYSER
B.A. '14, Virginia
M.D. '18, Johns Hopkins
Major, Pathology
Minor, Surgery
Thesis, The Etiology of the Urinary
Lithiasis, a Review and an Ex-
perimental Study

In Surgery

CHESTER O. TANNER
B.S. '15, M.D. '17, Minnesota
Major, Surgery
Minor, Pathology
Thesis, Tumors of the Testicle

DOCTORS OF PHILOSOPHY

ANGUS LUVERNE CAMERON

B.A. '13, Indiana
M.S. '14, Chicago
Major, Surgery
Minor, Pathology
Thesis, A Study of the Developmental
Topography of the Organs of the
Human Abdomen, with Particular
Reference to their Congenital Ab-
normalities and Displacements

MARSHALL HERTIG

B.S. '16, Minnesota
Major, Entomology
Minor, Bacteriology
Thesis, Some Phases of the Patho-
logical Histology of the Honey-
Bee with Special Reference to
Infection with *Nosema Apis*

DEGREES GRANTED MARCH 23, 1922
THE COLLEGE OF SCIENCE, LITERATURE,
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RALPH HAROLD KURTZMAN	NINA LOUISE YOUNGS

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ARTHUR E. HORSTKOTTE	LAWRENCE E. TEBERG
ELLSWORTH JOHNSON	CLAUDIUS A. THOMPSON
JASPER FRANCIS KEELER	ARDEN DEAN WHITE
CHRISTIAN ORRIN MARKSON	CHARLES ALBERT WILSON
CHARLES HERMAN PALDA	VICTOR RUSSELL WOOD

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GLEN BOLGER RANSOM	

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RICHARD HAROLD HOFFMAN
HOWARD CHRISTIAN KELSEY

ERNEST ALDON NORDSTROM
HAROLD R. N. ROSENDAHL

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In Engineering

DONALD WALKER CAPSTICK

RUDOLPH ERNEST MEILL, JR.

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HOME ECONOMICS**

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Course in Agriculture

BARTON HENRY CHAPIN

NORRIS MELVIN JOHNSON

THE MEDICAL SCHOOL

DOCTORS OF MEDICINE

R. JAMES CRITCHEFIELD, B.S., M.B.

ELMER C. HANSON, B.S., M.B.

VINCENT NAPOLIELLO, M.B.

THE COLLEGE OF EDUCATION

BACHELORS OF SCIENCE

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MARGARET SARA DUNN
JOSEPHINE C. KENKEL

LILLIAN LIEN
RUTH ELLEN OPSAHL
GEORGINA MYRTLE WELTON

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SARAH FRENCH

CLEMENT THOMAS GLEASON
ALEX HIMMELMAN
MADGE HOFFMAN
CARL JOHANN RATZLAFF
WILLIAM WOLKOFF

HONOR AND PRIZES ANNOUNCED ON CAP AND GOWN DAY, MAY 18, 1922

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JAMES BEDDIE
MARJORIE BONNEY
LAWRENCE CLARK
HARRY COMER
IRA CRAM
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EMMA DUBETZ
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ARTHUR MOTLEY
JESSIE RAVITCH
HELEN SCHEI
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WINIFRED WHITMAN
MARION WILSON
ELIZABETH YOUNG

SIGMA XI

STEPHEN DARLING
HENRY FORBES

THOMAS LOVERING
GARDNER REYNOLDS
CARL STOMBERG

LAMBDA ALPHA PSI

JAMES BEDDIE
MARION BENTON
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DORIS DURVEA
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BESSIE GRIMM
ANNA HEILMAIER
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ANTONIO HERAS
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HERMINE KOENIG
GEORGE LUSSKY
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HALLIE MIETTUNEN
FRIDA PLIEFKE
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HARRY ROBBINS
ROSA SEELEMAN
EVA SNYDER

DOROTHY STRONG
VERA SWANSON
CATHERINE SWEET
ARTURO TORRES-RIOSECO
GRACE WILLIAMS
MARJORIE WILLIAMSON
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ARLINE WRIGHT
MORTON ZABEL

TAU BETA PI

LEE AMIDON
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EDWARD DINDORF
HERBERT FROST
HENRY HECHT
CLAYTON HEMSEY
HIBBERT HILL
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JASPER KEELER
RUDOLF KUHLMAN
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TAU SIGMA DELTA

EDWARD HOLIEN
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FRANK MOORMAN
WILLIAM WILLNER

GAMMA SIGMA DELTA

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ANDREW HOVERSTAD
SKULI HRUTFIORD

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HOWARD MAGLADRY
ARNOLD HINRICHS

GEORGE PETERSON.

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EDITH CARLSON
LUCILE GRONDAHL
MILDRED NEMECK
ALPHA PETERSON

CLOVER SABIN
DOROTHY SCHWIEGER
RUTH STAPLES
MERAB TUPPER
IRMA WARD

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EDWARD BADE
REX KITTS

ELSNER KUHN
ALFRED SCHWEPPE

ALPHA OMEGA ALPHA

JOSEPH BORG
HALBERT DUNN
ISADORE GOLDBERG
ROBERT GREEN
ARTHUR HERMAN
LEONARD LARSON
MELVIN LAVIOLETTE

HAROLD LELAND
LEROY MAEDER
CHESTER OPPEGAARD
PERCY OWENS
KENNETH SUTHERLAND
OWEN WANGENSTEEN
WARREN WILSON

OMEGA ETA NU

JAMES MARTIN

LOYD MUSBURGER
ROY TSCHUMPERT

PHI LAMBDA UPSILON

GEORGE BURR
STEPHEN DARLING
ROBERT EVANS
HALVOR HALVORSON

ERNEST KESTER
ARTHUR LEVINE
PAUL PAULSON
LONDON SARVER
REGINALD SHERWOOD

PI LAMBDA THETA

LILLIAN ANDERSON
ADA BING
MAY BRYNE
BLANCHE CHRISTIE
ZOE COMER
RUBY COON
ELIZABETH DEALEY
CORA GIERE
LUCY GRIMES
BARBARA HENRY
RUTH HERR
FLORENCE HERSEY

ESTHER KLINE
LILLIAN LIEN
CLARA MCCLUSKEY
MARY MCMURTRY
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WINIFRED MOREHOUSE
HOPE MOWBRAY
ALPHA PETERSON
LAURA PRICE
EVA SNYDER
MARION WILSON
NEVA WILSON
EUNICE WILLNER

BETA GAMMA SIGMA

EARL BERGH
ARTHUR BORAK
LAWRENCE CLARK
HARRY COMER
RALPH DUNCAN
RAYMOND HARTZ

HENRY LARSON
FRANK MORAN
ARNOLD ROTERUS
SIDNEY SWENSRUD
EDMUND TAYLOR
CARL TETT

GAMMA EPSILON PI

MARGARET CONVERSE
EVELYN ENCHES
SADIE FISHER

SARAH FRENCH
MADGE HOFFMAN
BEATRICE SKOK
MARIAN WHITE

DELTA PHI LAMBDA

ESTHER HILL
DOROTHY KEARNS
DULCIE KEES
ORA McLAUGHLIN
ELIZABETH MANN

ESTHER OVERBY
JESSIE RAVITCH
KATHRYN SONNEN
HELEN SPINK
DOROTHY STOTT

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Science, Literature, and the Arts

LEILA MUNSON

Agriculture, Forestry, and Home Economics

SAMUEL BECHDEL

Medical School

ALICE RUPP

School of Chemistry

MINERVA MORSE

THE DUPONT FELLOWSHIP IN CHEMISTRY

FRANK KRACEK

THE CALEB DORR GRADUATE RESEARCH
FELLOWSHIPS

FRANCES CROOKER

ANDREW DINGWALL

THE NORTHERN FIRE APPARATUS FELLOWSHIP

SVEN VAULE

THE MOSES MARSTON SCHOLARSHIP

ETHEL MACMILLAN

THE ELIZABETH CARSE SCHOLARSHIP

MARGARET JACKSON

THE CALEB DORR COLLEGE SCHOLARSHIPS

VICTOR CHRISTGAU
CONRAD HAMMAR
SHERMAN JOHNSON

PAULENA NICKELL
AUGUSTINE STREINZ
ERNST WIECKING

THE MINNESOTA STATE PHARMACEUTICAL
ASSOCIATION SCHOLARSHIP

KENNETH BACON

THE AMERICAN INSTITUTE OF ARCHITECTS MEDAL

WILLIAM WILLNER

THE SAINT PAUL INSTITUTE MEDAL

STEPHEN DARLING

THE CONFERENCE MEDAL

ARNOLD OSS

PRIZES

THE PI LAMBDA THETA PRIZE

LAURA SPECT PRICE

LAMBDA ALPHA PSI PRIZE

EMMA DUBETZ

THE EDWIN AMES JAGGARD PRIZE

CHARLES LOUGHLIN, JR.

THE MENORAH PRIZE

JOSEPH UTSCHEN

THE JOHN S. PILLSBURY PRIZES

C. SIDNEY BENSON

CHARLES SAWYER
ROY WILKINS

THE FRANK H. PEAVEY PRIZES

CARL ANDERSON

BROCK HAMMOND
LLEWELLYN PFANKUCHEN

The University of Minnesota

COMMENCEMENT CONVOCATION
FALL QUARTER 1922



THE UNIVERSITY ARMORY
THURSDAY, DECEMBER 14, 1922
ELEVEN-FIFTEEN O'CLOCK

ORDER OF EXERCISES

DEAN GUY STANTON FORD, Presiding

PROCESSIONAL—"Marche Militaire"

Schubert

THE UNIVERSITY MILITARY BAND

MICHAEL JALMA, Director

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.

COMMENCEMENT ADDRESS—"A Century After Pasteur"

HUGH CABOT, M.D.

Dean of the Medical School, University of Michigan

TONE POEM—"Atlantis"

Safranek

THE UNIVERSITY MILITARY BAND

"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

DEAN GUY STANTON FORD, Ph.D.

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!

RECESSIONAL—"The Field Artillery"

Sousa

THE UNIVERSITY MILITARY BAND

The University of Minnesota considers it a happy circumstance that these convocation exercises fall within the days set aside the world over in commemoration of the one hundredth anniversary of the birth of Louis Pasteur. The name and work of this great French scientist are in themselves a new era in the history of preventive and curative medicine.

THE COLLEGE OF SCIENCE, LITERATURE,
AND THE ARTS

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 INGEBORG LUNDHOLM
KATHERINE HOWARD GILLESPIE	HELEN MAURINE PYNCHON
RUTH GULLETTE	FRED CLAYTON SMITH
RUTH MARY HAGARTY	OLIVER E. STEELE
WALTER LEONARD JOHNSON	SHELDON H. STUURMANS
IRENE LOUISE KRAFFT	VIRGIL EUGENE TURNER

BACHELOR OF ARTS

cum laude

HELEN TICKNOR DAVIS

BACHELOR OF ARTS

In Music

RACHEL WILSON

BACHELORS OF SCIENCE

(Academic Medical)

FRANCES HARDING ARTHUR	CARL EDWIN JOHNSON
ERNEST J. COLBERG, B.A., M.A., Ph.D., M.S.	HERMAN J. JUST
HARRY HAMILTON COOKE	LEONARD MORGAN LARSON
EARL HAMMOND DUNLAP	JAMES HENRY McGRANAHAN, JR.
SAMUEL DAVID DWORSKY	JAMES THEODORE MILLS
LAWRENCE FRANK EDER	ABBOTT BLUNT MITCHELL, B.A.
RUSSELL H. FROST	ROLAND EDWARD NUTTING
ARTHUR W. GREENFIELD	CHESTER JEROME OLSON
WILLIAM HUGH GRIFFITH	HENRY A. ROUST
VASANT S. GUPTA	EMMETT LeROY SCHIELD
JOHN HARGREAVES	ALBERT VALENTINE STOESSER
ALVAH HENRY JENSEN	MELVIN VIK
	ROBERT LAWSON WILDER

BACHELOR OF SCIENCE

(Arts and Nursing)

MELVINA F. PALMER

**THE COLLEGE OF ENGINEERING AND
ARCHITECTURE**

BACHELORS OF SCIENCE

In Civil Engineering

NEANDER E. PETERSON

WILLIAM PARK TARBELL

BACHELOR OF SCIENCE

In Electrical Engineering

ARNE RAYMOND ENGER

BACHELORS OF SCIENCE

In Engineering

CHESTER JUSTIN DOCK

HAROLD OTIS HAYES

BACHELOR OF SCIENCE

In Architecture

LAWRENCE HOWARD BAKKEN

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

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Course in Agriculture

ROBERT FRITHJOF GAALAAS

CLIFFORD Z. SMITH

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Course in Forestry

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THE LAW SCHOOL
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CHARLES A. HATCH	HENRY W. NORTON
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THE MEDICAL SCHOOL
DOCTOR OF MEDICINE

cum laude

LEONARD WINFIELD LARSON, B.S., M.B. WILLIAM PEACEY SHEPARD, B.S., M.B.

DOCTORS OF MEDICINE

PAN CODELLAS, B.S., M.B.	MAURICE WILLARD MCINERNY, B.S., M.B.
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DE FOREST RAYMOND HASTINGS,	RAYMOND JACOB SPURZEM,
B.S., M.B.	B.A., B.S., M.B.
LOUIS A. HAUSER, B.A., B.S., M.B.	EDWIN JOHN TANQUIST, B.S., M.B.
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HOWARD HARTNETTE WOLFE, B.S., M.B.	

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WALFRED ANDERSON, B.A., B.S.	ABBOTT, BLUNT MITCHELL, B.A.
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HAROLD WESLEY CARLSON, B.S.	HAROLD D. NAGEL, B.S.
PHILIP FRANKLIN ECKMAN, B.A., B.S.	OLIVER EARL NELSON, B.S.
M. GODFREY GILLESPIE, B.S.	GEORGE ARTHUR PAULSON, B.S.
BENJAMIN ALLEN GINGOLD, B.S.	HELEN BRENTON PRYOR, B.A., B.S.
NORVAL HADDOW, B.S.	HAROLD GEORGE REINEKE, B.S.
AUGUST F. HAMMARGREN, B.S.	FREDERICK STUART RICHARDSON, B.S.
LOUIS P. HINIKER, B.S.	ELTON HENRY SMITH, B.S.
HELEN MACKEEN KEPLER, B.S., M.A.	MACNIDER WETHERBY, B.S.
RALPH F. KERNKAMP, B.S.	ROLLAND HARVEY WILSON, B.S.
ROLLAND HARVEY WILSON, B.S.	

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ALMA BAISNER
AGNES ELIZABETH BRAGESTAD
HAZEL MARY CRANE

ALMA JOHNSON
ALICE ROSE LEECH
MELVINA F. PALMER
MILDRED G. SMITH
T. MARIE URSTAD

**THE COLLEGE OF DENTISTRY
DOCTORS OF DENTAL SURGERY**

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DAVID ARTHUR BROUDE
HARRISON S. GAGSTETTER
CLARENCE EDGAR GOBLE

SCOTT FRED HYDE
GOTFRED LARSON
WILLIAM J. LARSON
LIONELL WARNER YOUATT

**THE SCHOOL OF CHEMISTRY
BACHELOR OF SCIENCE
*In Chemical Engineering***

JOSEPH OSGOOD BARRETT

**THE COLLEGE OF EDUCATION
BACHELORS OF SCIENCE**

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M. ALICE CARLSON
P. EUGENE DAVENPORT
ANNE ELIZABETH EASTMAN
LOUISE ESTHER FINEMAN
ANNA MARGARET FLOREN
LUCILE FERN HAUPERT

RUBY GLADYS KUENZLI
ALICE ISABEL MCCOLLUM
ORA CECELIA McLAUGHLIN
IRENE ELEANOR OLSON
BERTHA CHARLOTTE SANDVEN
JESSIE ROSELLE SMITH
CATHERINE CHILD TIFFT

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

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*Course in Home Economics***

OLIVE CROSBY
ETHEL MAY FORBES

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ALPHA ANNETTE PETERSON

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BACHELORS OF SCIENCE

In Business

ADOLPH FRANKLIN BROMAN

ZALIE LEVIN

MARGARET FLORENCE PEARSON

GERTRUDE MARY STRAND

H. HARRY WENTZ

THE GRADUATE SCHOOL

MASTERS OF ARTS

HANNA SOPHIA BERG

B.A. '08, Macalester

Major, Education

Minor, History

Thesis, A Comparative Study of State and County Aid to High Schools in Utah, North Dakota and Minnesota

JOHN GRUBER

B.A. '19, St. Johns

Major, History

Minor, Political Science

Thesis, The Position of the Papacy in Feudal Society

GEORGE HENDRICKS

B.A. '21, Minnesota

Major, History

Minor, Political Science

Thesis, The Rise of the Republican Party in Minnesota

HUGH SEVIER CARTER

B.A. '16, B.D. '21, Southwestern

Major, Sociology

Minor, Psychology

Thesis, A Study of Motivayion in Social Control

FRANCES PRYOR IRWIN

B.A. '17, Minnesota

Major, History

Minor, Political Science

Thesis, Land Speculation by Virginians in the trans-Alleghany Region 1737-1763

KEITH CLARK

Ph.B. '90, Hamline

Major, History

Minor, Political Science

Thesis, The Conference of Berlin

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Major History

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Thesis, Tancred

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B.A. '18, St. Clara College

Major, History

Minor, English

Thesis, Women in Politics in Latin Syria

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B. A. '18, St. Olaf

Major, Educational Administration

Minor, Educational Psychology

Thesis, A Comparative Study of Boards of Education Fiscally Dependent and of Boards of Education Fiscally Independent of Municipal Control

OLIVER JESSE MOREHEAD

B.A. '09, Dakota Wesleyan University

Major, Anatomy

Minor, Physiology

Thesis, The Anatomy of the Sactonian Joint

AARON JESSE REGIER

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

MASTERS OF SCIENCE

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 SENTY

B.S. '14, Wisconsin

M.D. '16, Chicago (Rush)

Major, Medicine

Minor, Clinical Pathology

Thesis, A Comparative Study of

Various Methods of Hemoglobin

Determination

MASTERS OF SCIENCE

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

MASTERS OF SCIENCE

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

B.S. '21, Minnesota

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

DOCTOR OF PHILOSOPHY

In Surgery

ARTHUR ADELBERT ZIEROLD

B.S. '16, M.B. '18, M.D. '19, Minne-
sota

Major, Surgery

Minor, Anatomy

Thesis, Reaction of Bone to Vari-
ous Metals