The University of Minnesota

FORTY-NINTH
ANNUAL COMMENCEMENT
1921

THE UNIVERSITY ARMORY

WEDNESDAY, JUNE FIFTEENTH, AT TEN O'CLOCK
ORDER OF EXERCISES

President LOTUS D. COFFMAN, Ph.D., Presiding

PROCESSIONAL—March

THE UNIVERSITY BAND

MICHAEL JALMA, Conductor

MUSIC—"The Coronation"

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

HARRY PRATT JUDSON, M.A., LL.D.
President of the University of Chicago

MUSIC—"Meditation"

CONFERRING OF DEGREES

President LOTUS D. COFFMAN, Ph.D.
ANNOUNCEMENT OF HONORS AND PRIZES

RECESSIONAL—“Triumphal Banners” \textit{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
   The trust our dear old college name.

THE LOCOMOTIVE YELL

“BILL” \textit{Freng}, 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.

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DOROTHY HOLLISTER BROWN
B.A. '18, Smith
Major, Psychology
Minor, Educational Psychology
Thesis, Special Abilities and Disabilities of the Feebleminded as Revealed by Mental Tests

MANUEL LINGAD CARREON
B.A. '20, Nebraska
Major, Educational Psychology
Minor, Education
Thesis, The Role of Standardized Tests in Philippine Public School Administration

CHIEN CHA
B.A. '19, Nanking University
Major, Mathematics
Minor, Physics
Thesis, Involutes and Evolutes
ANNA CHERRY  
B.A. '18, McGill  
Major, Romance (French)  
Minor, English  
Thesis, Voltaire's Le Triumvirat and the Tragedies of Racine

MARY SYDNEY GOLD  
B.A. '08, Wellesley  
Major, History  
Minor, Political Science  
Thesis, The Shantung Question

EDWIN CHARLES CULBERT  
B.A. '20, Minnesota  
Major, Education  
Minor, Educational Psychology  
Thesis, A Study of State School Taxes as Sources of State Support for Public Schools

BERYL SPARKS GREEN  
B.A. '20, Minnesota  
Major, Bacteriology  
Minor, Physiology  
Thesis, The Oxygen Content of Media in Relation to Surface Tension and Bacterial Growth

HAROLD SHEELY DIEHL  
B.A. '12, Pennsylvania  
M.D. '18, Minnesota  
Major, Bacteriology  
Minor, Pathology  
Thesis, The Specificity of Bacterial Proteolytic Enzymes and Their Formation

MADELINE GUILLEMIN  
B.A. '19, Wisconsin  
Major, Bacteriology  
Minor, Biochemistry  
Thesis, The Relation Between the Structural and Unbound Salts in Bacteria

ELMA KAROLYN ENSRUD  
B.A. '17, St. Olaf  
Major, History  
Minor, Education  
Thesis, The Development of a National Market in the United States

MILDRED LUCILE HARTSOUGH  
B.A. '19, Minnesota  
Major, History  
Minor, Economics  
Thesis, The Development of the Twin Cities as a Metropolitan Market

EVA ABIGAIL FILLMORE  
B.A. '17, Lawrence College  
Major, Psychology  
Minor, Educational Psychology  
Thesis, The Relationship Between Results Obtained by Various Memory Tests

CARL EDWARD HENDRICKSON  
B.A. '20, Minnesota  
Major, Education  
Minor, Entomology  
Thesis, Relation of Reading Ability to Mental Ability

SOLOMON FINEMAN  
B.S. '16, M.B. '18, M.D. '19, Minnesota  
Major, Medicine  
Minor, Animal Biology  
Thesis, A Study of Microlympho­docytic Leukemia with the Report of a Case

KATHERINE BARTON JENNINGS  
B.A. '10, Grinnell College  
Major, Latin  
Minor, German  
Thesis, Pliny and Society of the First Century

FLORENCE DELL FULLER  
Ph.B. '17, Wisconsin  
Major, Psychology  
Minor, Education  
Thesis, Gifted Children in the Public Schools

MADELINE STEPHENSON LONG  
B.A. '19, Minnesota  
Major, English  
Minor, Rhetoric  
Thesis, The Use of the Point of View in the English Novel
RAY BUTTS MACLEAN  
Ph.B. '96, Hamline  
Major, Education  
Minor, Economics  
Thesis, The Demand and Supply of Trained Teachers in Public Schools of Minnesota

JAMES FRANCIS MACKELL  
B.A. '15, Indiana  
Major, Physics  
Minor, Education and Mathematics  
Thesis, The Influence of the Earth's Potential Gradient upon the Mean Ionic Density of the Atmosphere as Measured by the Eberion Counter

LEROY MICHAEL ALOIS MAEDEr  
B.S. '20, Minnesota  
Major, Anatomy  
Minor, Pathology  
Thesis, Changes in the Mammary Gland of the Albino Rat during Lactation and Involution

NORMAN EDWARD NELSON  
B.A. '21, Minnesota  
Major, English  
Minor, Philosophy  
Thesis, Anticipations of Wordsworth's Philosophy of Nature

SOFIE ELIZABETH NISSEN  
B.A. '20, Minnesota  
Major, Romance (French)  
Minor, Romance (Italian)  
Thesis, A Study of the Language of the Roman du Comte de Poitiers

COLEMAN ROGERS ROBINSON  
B.L. '01, Washington and Lee  
B.A. '20, Alberta  
Major, Political Science  
Minor, History  
Thesis, Municipal Institutions in Alberta

INEZ GERTRUDE SCOTT  
B.A. '20, Minnesota  
Major, Latin  
Minor, Greek  
Thesis, Some Aspects of Court Life in the Early Empire

SISTER EILEEN HAGGERTY  
B.A. '18, College of St. Catherine  
Major, History  
Minor, Political Science  
Thesis, England and the Outbreak of the Crimean War

SISTER MARY EVARISTA KELLEY  
B.A. '18, College of St. Teresa  
Major, Education  
Minor, Educational Psychology  
Thesis, Minimum State Requirements for Certification of Public School Teachers. A Study in Variations Based upon Fifteen States

LAURENT ERICK SJOLINDER  
B.A. '86, Augustana College  
Major, History  
Minor, Greek  
Thesis, Babylonian and Assyrian Elements in the Civilization and Cult of the Hebrew Nation

DELLA FRANCES THOMPSON  
B.A. '08, Minnesota  
Major, Latin  
Minor, Romance (French)  
Thesis, Fact and Fiction in the Annals of Tacitus

ERNEST WALTER TIEGS  
B.A. '16, Lawrence College  
Major, Education  
Minor, Economics  

WARREN CLELAND WAITE  
B.S. '19, Minnesota  
Major, Agricultural Economics  
Minor, Economics  
Thesis, Cost Indices for Butterfat Production

MARGARETTA WEBER  
B.A. '18, Pittsburgh  
Major, Educational Psychology  
Minor, Education  
MASTERS OF SCIENCE

EDLA VICTORIA ANDERSON
B.S. '18, Illinois
Major, Biochemistry
Minor, Home Economics
Thesis, A Study of some of the Factors Influencing the Nutritive Value and the Antiscorbutic Potency of Normal Cow's Milk

FRED EUGENE ARMSTRONG
B.S. '16, Clemson Agricultural College
Major, Agricultural Education
Minor, Farm Management
Thesis, Farm Repair and Construction Work in Minnesota

RALPH EDWIN CURTISS
B.S. '17, Illinois
Major, Agricultural Economics
Minor, Farm Management
Thesis, Price Determinations of Whole Milk

JEAN MUIR DORSEY
B.S. '13, Minnesota
Major, Home Economics
Minor, Biochemistry
Thesis, Studies on the Effects of Manipulation upon the Mineral Losses in the Cooking of Vegetables

RALPH LEWIS DOWDELL
M.E. '18, Minnesota
Major, Metallography
Minor, Chemistry
Thesis, Studies on Steels for Permanent Magnets

SIGFRED MELANCHTON HAUGE
B.A. '18, St. Olaf
Major, Analytical Chemistry
Minor, Biochemistry
Thesis, The Determination of Molybdenum in Ores

WALTER FRED HOFFMAN
B.A. '19, Nebraska Wesleyan
Major, Biochemistry
Minor, Physical Chemistry
Thesis, Sulphur in Proteins with Special Reference to the Behavior of Cystine to Acid Hydrolysis

CLIFTON RAYMOND HOVLAND
B.A. '19, St. Olaf
Major, Analytical Chemistry
Minor, Biochemistry
Thesis, The Determination of Cobalt

ARTHUR HUBERT KOHLHASE
B.S. '19, Hamline
Major, Organic Chemistry
Minor, Physical Chemistry
Thesis, The Action of Iodine and Alkyl Iodides upon the Silver Salt of Tribromthiophenal

FRED ALFRED KRANTZ
B.S. '18, Minnesota
Major, Horticulture
Minor, Botany
Thesis, A Study of the Permanency of the Variety in the Potato

SYDNEY DEGRAW LAW
B.S. '20, Minnesota
Major, Animal Husbandry
Minor, Farm Management
Thesis, The Use and Value of Alfalfa Hay for Pregnant Swine

GLENN EARL MATTHEWS
B.S. '20, Minnesota
Major, Organic Chemistry
Minor, Physical Chemistry
Thesis, A Comparison of the Absorption Spectra of Diphenylamine and Carbazole and Several of their Derivatives

SYLVESTER WARREN MEAD
B.S. '17, Connecticut Agricultural College
Major, Dairy Husbandry
Minor, Biochemistry

ROBERT NEWTON
B.S. '12, McGill
Major, Biochemistry
Minor, Plant Pathology
Thesis, A Comparative Study of Winter Wheat Varieties with Special Reference to Winter Killing
MARY CAMPBELL NYE
B.S. '99, Beloit College
Major, Home Economics
Minor, Biochemistry
Thesis, A Study of Certain Factors Relating to the Management and to the Food in a Group of Children's Homes

FRANK ROBOTKA
B.S. '15, Wisconsin
Major, Agricultural Economics
Minor, Economics
Thesis, A System of Accounting for Coöperative Produce Marketing Associations

ETHEL LOWERRE PHELPS
B.S. '15, Cornell
Major, Education
Minor, Economics

OTTO GUSTAVE SCHAEBER
B.S. '18, Missouri
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, Energy Requirements for the Normal Growth of Dairy Heifers

GREGOR BENJAMIN PIRSCH
B.S. '20, Minnesota
Major, Entomology
Minor, Agricultural Education
Thesis, A Study of the Temperature of the Individual Bee

JAMES PEEL SHELTON
B.S. '19, Sydney, Australia
Major, Agronomy
Minor, Plant Pathology
Thesis, Correlation Studies in Wheat

GEORGE AUGUSTUS POND
B.S. '18, Minnesota
Major, Farm Management
Minor, Agricultural Economics
Thesis, Variations in the Cost of Crop Production with Special Reference to Wheat Costs

FERDINAND HENRY STEINMETZ
B.S. '15, Illinois
Major, Agronomy
Minor, Education
Thesis, A Classification of Field Beans Phaseolus

JOHN PAUL QUIGLEY
B.S. '18, Syracuse
Major, Pharmacology
Minor, Organic Chemistry
Thesis, The Relation of Chemical Structure to Physiological Action of some Phenylcarbinol Derivatives and Related Compounds

MILDRED WEIGLEY
B.S. '17, Minnesota
Major, Biochemistry
Minor, Education
Thesis, The Carbon Dioxid Diffusion Ratio in Doughs as an Index of Flour Strength

CLINTON GRAHAM WORSHAM
B.S. '19, Minnesota
Major, Farm Management
Minor, Agricultural Economics
Thesis, A Study of Farm Organization in the Cut-Over Areas of Northern Minnesota
CHEMICAL ENGINEERS

MINTON MANFRED ANDERSON
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Inorganic Chemistry
Thesis, Preparation and Reactions of Potassium Perselenate

ELMER ALEXANDER PEARSON
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Organic Chemistry
Thesis, A Contribution to Our Knowledge of Diphenylamine

ERNEST AUGUST FIEGER
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Physical Chemistry
Thesis, Preparation of Metallic Cerium

ROBERT CARLYLE RECK
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Technological Chemistry
Thesis, An Attempt to Electroplate with Tungsten

ERNEST JOSEPH JONES
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Physical Chemistry
Thesis, Electrode Potentials of Rare Earths

HEIME ABRAHAM STERNBERG
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Organic Chemistry
Thesis, A Study of Sulphur and Selenium Vulcanization of Rubber

DONALD FRANCIS MITCHELL
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Technological Chemistry
Thesis, Effect of Chemical Composition on the Physical Properties of Herd and Individual Milk

ARTHUR EDWARD STOPPEL
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, General Inorganic Chemistry
Thesis, Contribution to Our Knowledge of the Chemistry of Calcium Carbide

HARRY GILBERT NICHOLSON
B.S. '21, Minnesota
Major, Chemical Engineering
Minor, Technological Chemistry

CARL LUTHER WALLFRED
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Technological Chemistry
Thesis, A Check of Thermal Points of Brasses by Single Potential Measurements

ARTHUR NEWTON PARETT
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Organic Chemistry
Thesis, Studies on Phenol Substitutions

LUDWIG JOSEPH WEBER
B.S. '20, Minnesota
Major, Chemical Engineering
Minor, Inorganic Chemistry
Thesis, Preparation and Reactions of Potassium Perselenate

ELECTRICAL ENGINEER

GEORGE WARNER SWENSON
B.S. '17, Minnesota
Major, Electrical Engineer
Minor, Mathematics
Thesis, Sparking at Relay Contacts
MECHANICAL ENGINEERS

**Ezra Benham Curry**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  
Thesis, The Design of a Steam Unit Power Car

**William Franklin Hayes**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  

**William Franklin Joachim**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  

**Louis Edwin Merrill**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  
Thesis, Lubricating Oil, Determination of the Properties of Lubricating Oil for Use in Internal Combustion Engine

**Clayton Madison Reasoner**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Metallography  
Thesis, An Attempt to Isolate Radiation from Convection on Various Types of Direct Steam Radiation

**Paul William Rham**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  
Thesis, Systematized Management in Engineering Departments

**George Lew Tuve**  
B.S. '20, Minnesota  
Major, Mechanical Engineering  
Minor, Economics  
Thesis, Studies in Improving the Operating Characteristics of Oil Burners

DOCTORS OF PHILOSOPHY

**Winifred Mayer Ashby**  
B.S. '03, Chicago  
M.S. '05, Washington  
Major, Bacteriology (Immunology)  
Minor, Pathology (Hematology)  
Thesis, Destruction of Transfused Blood in Normal Subjects and in Pernicious Anemia Patients

**Raymond Otto Filter**  
B.A. '14, Baldwin-Wallace  
M.A. '16, Wisconsin  
Major, Psychology  
Minor, Education  
Thesis, An Experimental Study of Character Traits

**George Henshaw Childs**  
B.A. '17, Ripon  
Major, Physics  
Minor, Mathematics  
SAMUEL ALEXANDER GRAHAM
B.S. '14, Minnesota
M.S. '16, Cornell
Major, Entomology
Minor, Animal Biology

HJALMAR LAURITS OSTERUD
B.A. '09, M.A. '10, Washington
Major, Anatomy
Minor, Animal Biology
Thesis, The Postnatal Growth and Development of the Reproductive Tract in the Female Albino Rat

ADA FRANCES JOHNSON
B.A. '17, Bryn Mawr College
M.A. '18, Minnesota
Major, Physics
Minor, Mathematics and Chemistry

CALVIN PERRY STONE
B.A. '15, M.A. '16, Indiana
Major Psychology
Minor, Medicine
Thesis, An Experimental Analysis of the Congenital Sexual Behavior of the Male Albino Rat

OSCAR JULIUS JOHNSON
B.A. '17, M.A. '18, Idaho
Major, Education
Minor, Psychology
Thesis, The St. Paul Non-Verbal Intelligence Examination for Primary Pupils

JOSEPH VALASEK
B.S. '17, Case
M.A. '20, Minnesota
Major, Physics
Minor, Mathematics
Thesis, Piezo-Electric Activity of Rochelle Salt under Various Conditions

HOMER BARKER LATIMER
B.A. '07, M.A. '08, Minnesota
Major, Anatomy
Minor, Animal Biology

PAUL WORK
B.A. '07, Tennessee
B.S. '10, Pennsylvania State College
M.S. '13, Cornell
Major, Botany
Minor, Soils
Thesis, Effects of Nitrate of Soda on the Nutrition of the Tomato

DOCTORS OF PHILOSOPHY
In Nervous and Mental Diseases

JOHN CHARNLEY MCKINLEY
B.S. '15, M.A. '17, Minnesota
Major, Nervous and Mental Diseases
Minor Anatomy
Thesis, The Intraneural Plexus of Fasciculi and Fibers in the Sciatic Nerve

CHARLES EDWARD NIXON
B.A. '08, Pacific Union College
M.D. '15, Southern California
M.S. '19, Minnesota
Major, Nervous and Mental Diseases
Minor, Pathology
Thesis, The Substances Concerned in the Colloidal Gold Test and the Nature of the Reaction
DOCTOR OF PHILOSOPHY

In Obstetrics and Gynecology

LEROY ADELBERT CALKINS
M.B. '18, M.D. '19, M.S. 20, Minnesota
Major, Obstetrics and Gynecology
Minor, Anatomy
Thesis, Morphometry of the Human Foetus with Special Reference to the Obstetric Dimensions of the Head

DOCTOR OF PHILOSOPHY

In Pediatrics

CHESTER ARTHUR STEWART
B.A. '14, Missouri
M.A. '15, Ph.D. '17, Minnesota
Major, Pediatrics
Minor, Anatomy
Thesis, The Vital Capacity of the Lungs of Children in Health and Disease

MASTER OF SCIENCE

In Ophthalmology and Oto-Laryngology

ELlERY LESLIE ARMSTRONG
B.S., M.D. '16, Minnesota
Major, Ophthalmology and Oto-Laryngology
Minor, Anatomy
Thesis, The Development of the Human Eye-ball and Optic Nerve in the Fetal Period, with Particular Reference to Their Changes in Size, Form and Position

MASTER OF SCIENCE

In Physiologic Chemistry

ARNOLD ERWIN OSTERBERG
B.S. '16, Washington
Major, Physiologic Chemistry
Minor, Bacteriology
Thesis, Studies Concerning Certain Derivatives of Cyclohexane
MASTER OF SCIENCE

In Surgery

LEO PACCI BELL
B.A. '12, Missouri
M.D. '15, Harvard
Major, Surgery
Minor, Pathology
Thesis, A Comparative Study of the Pathologic Phases of Experimental Obstruction Jaundice

GEORGE DIXON MAHON, JR.
M.D. '13, Vanderbilt
Major, Surgery
Minor, Pathology
Thesis, Elephantiasis—A Clinical Review and an Attempt at Experimental Reproduction

JAMES MARTIN HAYES
B.S. '04, Carleton
Major, Surgery
Minor, Pathology
Thesis, The Lymph Glandular Involvement in Carcinoma of the Large Intestine

FREDERICK ROMAN SANDERSON
M.D. '15, Georgetown
Major, Surgery
Minor, Pathology
Thesis, Tumors of the Penis

ERNEST MARSHALL JOHNSTONE
B.S. '04, Pomona College
M.D. '09, Chicago (Rush)
Major, Surgery
Minor, Pathology
Thesis, The Study of the Relation of the Marrow to the Spleen

GEORGE ELLSWORTH SUTTON
M.S. '13, M.D. '14, Minnesota
Major, Surgery
Minor, Pathology
Thesis, Pulmonary Fat Embolism
HONORS AND PRIZES

HONORS

DEGREE WITH DISTINCTION

In Medicine
Max Harold Hoffman, B.S., M.B.

DEGREES WITH HONORS

In English
Helen Countryman

In History
Leah Morehouse
Frida Pliefke
Marion Isobel Rising

In Latin
Inez Gertrude Scott

THE MRS. ELBERT L. CARPENTER SCHOLARSHIP
Hortense Roberta Roberts, A. '24

THE MRS. GEORGE C. CHRISTIAN SCHOLARSHIP
Mathilda Hokanson, Ed. '22

THE NINA MORAIS COHEN SCHOLARSHIP
Celie Louise Israelevitz, A. '24

THE GEORGE H. PARTRIDGE SCHOLARSHIPS
Effie May Deibler, A. '24
Anna Linnea Fellroth, A. '23
Esther Borghild Overby, A. '23
Carol Helen Webb, A. '24
Alice Veronica Whalen, A. '24
THE MINNEAPOLIS COLLEGE WOMAN'S CLUB SCHOLARSHIPS

Jessie La Verne Howe, Ag. '23
Ida Maturen, A. '22
Rosamund Seeleman, A. '22
Lillian Katherine Wallin, A. '23

THE ST. PAUL COLLEGE CLUB SCHOLARSHIPS

Edith Lois Brocker, Ed. '22
Mae Elizabeth Cox, P. '23
Dulcie Elizabeth Kees, A. '23
Charlotte Larkin, A. '23
Lois Collinson Roberts, Ed. '22

THE FACULTY WOMEN'S CLUB SCHOLARSHIP

Margaret Hazel Cartwright, A. '22

THE MINNEAPOLIS WOMAN'S CLUB SCHOLARSHIP

Myrl Marie Churchill, B. '22

THE WOMEN'S SELF-GOVERNMENT ASSOCIATION SCHOLARSHIPS

Madge Hoffman, B. '22
Magdalene Huchthausen, Md. '23
Lydia Johnson, A. '22
Hester Eva McLean, A. '22

THE NATIONAL CITY BANK SCHOLARSHIP

Harold Robert King

THE GET TOGETHER CLUB SCHOLARSHIPS

Edith Maria Carlson, Ag. '22
Jessie La Verne Howe, Ag. '23

THE PHI UPSILON OMICRON SCHOLARSHIP

Mary Curran, Ag. '23

THE SHARPLES SCHOLARSHIP

Frances Ruth Crooker, B.A.
PRIZES

THE BRIGGS PRIZE IN FOUNDRY PRACTICE

First Place
WELLES ALEXANDER GRAY, E. '23

Second Place
ALFRED PERLMAN, E. '23

THE LUDDEN TRUST PRIZES FOR THE FRESHMAN-SOPHOMORE ORATORICAL CONTEST

First Place
DAVID GOLDSTEIN, A. '23

Second Place
VERNON XAVIER MILLER, A. '23

Third Place
LEROY EDISON MATSON, A. '23

THE '89 MEMORIAL PRIZE IN HISTORY
FREIDA LOUISE PLIEFKE

THE JOURNAL PRIZES IN HISTORY
MARJORIE JEAN BONNEY PENINAH ISABEL FULLER

THE GEIST PRIZES FOR RESEARCH IN ANATOMY
ALFRED NICHOLAS BESSESEN, Jr., B.S., Md. '22
HALBERT DUNN, M.A., Md. '22

THE HARRIS POLITICAL SCIENCE PRIZE
HAROLD FERDINAND KUMM

THE MINNESOTA PATHOLOGICAL SOCIETY PRIZE
ESTHER GRESHEIMER, B.S. in Ed., M.A., Md. '24
DAVID JOSEPH LEWIS, Md. '24

THE ALUMNI WEEKLY GOLD MEDAL
FREDO OSSANNA

27
DEGREES CONFERRED SINCE JUNE 17, 1920, UNTIL DECEMBER 16, 1920

DEGREES

BACHELORS OF ARTS

Genevieve Anderson
Helen Rose Bayne
Kathleen Mary Bonniwell
Esther Colwell
Bernice Alta Danek
Louise France
Edna Marie Fuller
Veta Enola Harris
Emma Cordelia Heilig

BACHELORS OF ARTS - Continued

Teresa Huesman
Rhoda Belle Kellogg
Esther H. Kopplin
Esther Kristine Larson
Frank Earle McNally
Gwendolyn Ella Magandy
Earl Julius North
Edith Muriel Redlund
Clare Rybak

Martha Thompson

In Education

Florence Shirley Shapiro
Hope White

BACHELORS OF SCIENCE

(HA ademic-Medical)

Harriet Jean Bower
Pan Stamatios Codellas
Benjamin A. Dvorak
Peter C. Engelhart
Harold Harbo
Magdalene Huchthausen
Frank Joseph Kucera
Ernest W. Lampi
Morris Lax
Earl Raymond Lowe

BACHELORS OF SCIENCE - Continued

Eric M. Matsner
Paul F. Meyers
Michael F. Oman
Harold Joseph Prendergast
John Watson Prentice
William Henry Rucker
William Henry Rumpf, Jr.
Raymond Spurzem
Walfred William Swanson
Howard H. Wolfe

In Engineering

Philip Didrikson
Carl Lebeck

In Architecture

Shu-Ming Lin

Edwin M. Loyce
(Course in Agriculture)
STANLEY WILKINS

(Course in Forestry)
WALTER SCHMID

(Course in Home Economics)
VICTORIA ABRAMSON
MARIE HANSEN

(as of June, 1919)

MINNIE T. GRAHAM

In Chemistry
CLAUDE P. MOE

In Business
CAROL HIRSCHY

In Education
GEORGE C. CHRISTENSEN

DOCTORS OF MEDICINE
MORRIS I. BERMAN
JOHN HENRY GAMMELL

BACHELORS OF MEDICINE
ROBERT SQUIER GUTSELL
DAVID JOHNSON

DOCTORS OF DENTAL SURGERY
MYER GEORGE GORDON
ALFRED ALEXANDER HASS
MYRTLE KATHRYN JOHNSON
AURELIUS H. MAZE

MASAHITO NISHIONA
ALFRED GERARD PATTERSON
HAROLD EARL RAMSETT
CLAGUE ARTHUR VAN DYKE
DEGREES GRANTED DECEMBER 16, 1920

THE COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

BACHELORS OF ARTS

Madge Elizabeth Barnes  Florence Loretta McDermott
Mildred Emmons Conger  Virginia H. Morrison
Donna Beatrice Frase  Leila Elizabeth Munson
Mary Winnifred Gleason  Aimee Olson
Mildred Genevieve Haugland  Moe William Silberman
Henry Adron Johnson  Florence Mary Simmonds
Francis R. Kitzman  Esther Hearst Thurber
Herbert Lefkowitz  Donald Graham Twentyman
Elise Westmore Van Ness

THE COLLEGE OF ENGINEERING AND ARCHITECTURE

MECHANICAL ENGINEER

Clarence Quast Swenson

BACHELORS OF SCIENCE

In Engineering

Edmond Constantine Hanrahan  Nathan Harris

THE COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

BACHELOR OF SCIENCE

Course in Agriculture

Harry Arthur Hass

BACHELORS OF SCIENCE
Course in Home Economics

Marguerite E. Boyle
Florence Overbeck
Adelaide Marsch

THE LAW SCHOOL

BACHELOR OF LAWS

Louis Herman Schnedler

THE MEDICAL SCHOOL

DOCTOR OF MEDICINE

David Derrick Anderson

BACHELORS OF MEDICINE

Hjalmar Melancthon Berge
Joseph Frederick Bicek
Paul Gerhard Boman
Harold Samuel Boquist
Ruth Evelyn Boynton
Clarence William Brunnow
Asa Glenn Churchill
R. James Critchfield
Georgiana DeJong
Raymond Martin Eppard
Walter Henry Fink
Allen Richard Foss
Verne Smith Gearey
Milo Phil Gerber

A. Edward Gourdeau
William A. Hanson
Albert John Herbozheimer
Frank R. Hirshfield
Roger Louis Joseph Kennedy
Gundu R. Kokatnur
George Marius Landrock
J. Leonard Lee
Ewing Cleveland McBeath
Benjamin James Martin
Charles E. Merkert
Edward Alexis Regnier
Peter S. Rudie
Bernard Henry Simons

RALPH WALLACE WARNOCK

THE SCHOOL OF NURSING

GRADUATES IN NURSING

Joyce Julliette Briggs
Edna Alice Clarke
Alice Turner Doolittle

Grace Dowella Drolet
Florence Bertha Holzheid
Edna Bernice Huderle

Ruth Wedge

THE COLLEGE OF DENTISTRY

DOCTORS OF DENTAL SURGERY

Lawrence K. Lawler
Elmer Cornelius Lundquist

Vaino A. Luttio
Matthew Daniel Mountain
THE SCHOOL OF CHEMISTRY

CHEMICAL ENGINEER

John S. Busch

THE COLLEGE OF EDUCATION

BACHELORS OF SCIENCE

In Education

Helena Frankovitz
Ernst Theodore Jacobson
Esther Mable Johnson
Clara Olivia Larson

Daniel A. Podoll
Ruth Raymond
Lynn Elbert Stockwell
Alma Eugenia Westberg

THE GRADUATE SCHOOL

MASTERS OF ARTS

Albert Boris Clarfield
B.S. '12, University of Kiev, Russia
LL.B. '18, New York University
Major, Anthropology
Minor, Sociology
Thesis, The Americanization of the Foreign Born in Duluth, A Typical American Community

Marguerite Guinotte
Major, Romance (French)
Minor, Romance (Spanish)
Thesis, Racine and the Alzire of Voltaire

Alexander Cowie
B.A. '19, Minnesota
Major, English
Minor, Romance Languages

Gustave Joseph Noback
B.S. '16, Cornell
Major, Anatomy
Minor, Bacteriology
Thesis, Developmental Topography of the Thymus in the Newborn

MASTER OF SCIENCE

Cecile Cook Stone
B.S. '18, Missouri
Major, Home Economics
Minor, Biochemistry
MASTER OF SCIENCE

In Medicine

DAVID MAYO BERKMAN
B.S. '09, Minnesota
M.D. '12, Rush Medical
Major, Medicine
Minor, Physiologic Chemistry
Thesis, A Preoperative and Postoperative Study of Diabetic Patients with Surgical Complications

MASTER OF SCIENCE

In Ophthalmology and Oto-Laryngology

JAMES LEE ROGERS
M.D. '05, Minnesota
Major, Ophthalmology and Oto-Laryngology
Minor, Anatomy
HONORS AND PRIZES ANNOUNCED ON CAP AND GOWN DAY, MAY 12, 1921

HONORS

PHI BETA KAPPA

Anna Blegen
Harriet Flingelman
Katherine Galland
Alt Haynes
Thomas Helmey
Sophie Holzheid
Eleanor Keyes
Josef Kindwall
Harold Kumm

Herbert Lefkovitz
Emily Lefkovitz
Dorothy McGhee
Margaret McGuire
Leah Morehouse
Leila Munson
Benjamin Pearson
Frida Pliefke
Cuthbert Randall
Martha Randall
George Schurr
Kenneth Sims
Eunice Tollifson

SIGMA XI

Dixon Bailey
Alfred Besesen
Jonas Christensen
Beryl Green
Robert Green
Frederick Griffie
Madeleine Guillemin
James Hall
Mac Harshaw
Merrill Hart
Marshall Hertig
Max Hoffman
Walter Hoffman
Dunham Jackson

William Joachim
Frank Kucera
Hyman Lippman
John Charnley McKinley
Paul McMiller
LeRoy Maeder
Emanuel Manderfield
Margaret Newton
Robert Newton
Charles Nixon
John Quigley
John Schneider
James Shelton
Charles Shepard

George Wessale
LAMBDA ALPHA PSI

ANNA BLEGEN
ARTHUR BOUVIER
HARRY CANNON
HELEN COUNTRYMAN
MINA GILDERSLEEVE
JOSEPH GILLET
MRS. JOSEPH GILLET
ALTA HAYNES
PAUL KING
O. K. LUNDEBERG

MARION MARSHALL
ANDREW MOREHOUSE
MARJORIE NICOLSON
EUGENE PARKER
TERRETH PEARSON
LUCIENNE PETIT
DELLA THOMPSON
ELISE VAN NESS
GEORGE WATTS
EDITH WHEELER

TAU BETA PI

SAMUEL BERG
ROLF BERGFORD
ERNEST CARLSON
HUGH CARPENTER
HJALMER DAHL
HERMAN DAVIES
ELTOR DEHN
JOHN DOWNIE
HENRY FORBES
WILLIAM FORSSELL
BENNIE GANDRUD
HENRY GERLACH
ROY HEIDELBERGER
ARTHUR HORSTKOTTE
CYRIL JENSEN
HENRY JERABEK

ALPHONSE JOHNSON
EDGAR JOHNSON
LUDVIG LARSON
MELVILLE LEE
BASIL MAINE
NATHANIEL MINTZ
GREGORY MOGA
CHARLES PALDA
HAROLD PETERSON
RICHARD SWART
OLAF THORSHOV
MERLE TUVE
HUGO WAHLQUIST
FRANK WENGER
GEORGE WESSALE
PERCY WILLIAMS

TAU SIGMA DELTA

PAUL DAMBERG

HENRY GERLACH
STANLEY HAHN

GAMMA SIGMA DELTA

WILLIAM ALDERMAN
THEODORE ARENS
DIXON BAILEY
JONAS CHRISTENSON
EDMUND DAGGIT
EDWIN GAUMNITZ
GEORGE HAAS

ROSS HUNTSINGPR
PALMER JOHNSON
WILLIAM PARKER
ALBERT SAMUELSON
JAMES SHELTON
ARNE TOLAAS
VERNON WILLIAMS

ARCHIE WILSON
HONOR SOCIETY IN HOME ECONOMICS

RUTH COMPTON
IRENE DAHLBERG
HELEN GOODALL

MARY NYE
REBECCA SHOLLEY
MILDRED SWINEBURNE
LEONA THOMAS

THE ORDER OF THE COIF

HARLOW BONNIWELL
BENEDICT DEINERD

HENRY GRAVEN
TRACY PEYCKE

ALPHA OMEGA ALPHA

EARL BRATRUDE
VICTOR HAUSER
FRANK ROBERTS

CHARLES RUMPF
DAVID SIPERSTEIN
JAMES VAIL

OMEGA ETA NU

ARTHUR BEAUCHAMP
EVAN HOLWAY

JAMES SPRINGSTEAD
FRANK YUKEL

PI LAMBDA THETA

CLYDE BAILEY
HAROLD CROOKER
RAYMOND DUTCHER
WILLIAM HUNTER
HENRY JERABEK
ARNOLD JOHNSON
ARTHUR KOHLHASE

FRANK MACDOUGALL
CHARLES NETZ
ROBERT NEWTON
EARL NORRIS
JOHN QUIGLEY
WILLIAM SANDSTROM
RICHARD SWART

PHI LAMBDA THETA

TENA ANDERSON
DOROTHY BOVEE
ELEANOR CEDARSTROM
BERNADETTE GORMLEY
CAROLYN HORMAN

GRATIA KELLY
ELIZABETH LEGGETT
MARGARET MCGUIRE
AGNES PYNE
MARGARETTA WEBER

BETA GAMMA SIGMA

DOUGLAS ANDERSON
EARL BERGH
BEN BLACK
KENNETH BUTLER
LAWRENCE CLARK
ROY COHEN

PAUL DOELZ
BERTRAM DOWNS
RAYMOND HARTZ
FLOYD HOOPER
CLARK SULERUD
EDMUND TAYLOR
FRANK TUPA

36
GAMMA EPSILON PI

DOROTHY BARLOW
MARGARET CONVERSE
GLADYS EHRLE

SARAH FRENCH
MADGE HOFFMAN
FLORENCE RUSH

SELMA SWAN

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Science, Literature, and the Arts
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Medical School
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School of Chemistry
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ARNOLD HINRICHS
HARRIETTE KITTRIDGE
VIVIAN NELSON

RUTH ROLLINS
THORVAL THUNHEIM
HERTTA VASANOJA
IRMA WARD

ERNST WIECKING

THE MINNESOTA STATE PHARMACEUTICAL ASSOCIATION SCHOLARSHIP

MELVIN REID

37
THE MINNEAPOLIS STEEL AND MACHINERY COMPANY SCHOLARSHIP
WILLIAM JOACHIM

THE AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS SCHOLARSHIP
CLAYTON REASONER

THE AMERICAN INSTITUTE OF ARCHITECTS MEDAL
RHEUBEN DAMBERG

THE CONFERENCE MEDAL
NEAL ARNSTON

PRIZES

THE PI LAMBDA THETA PRIZE
HOPE MOWBRAY

THE EDWIN AMES JAGGARD PRIZE
ALFRED SCHWEPPE

THE JOHN S. PILLSBURY PRIZE
HARRY KREGAL

ARThUR MOTLEY
MAX SHAPIRO

THE FRANK H. PEAVEY PRIZE
LEROY GRETTUM

VERNON MILLER
HOBART YATES
COMMENCEMENT CONVOCATION
FALL QUARTER 1921

THE UNIVERSITY ARMORY
THURSDAY, DECEMBER 15, 1921
ELEVEN O'CLOCK
ORDER OF EXERCISES

President LOTUS DELTA COFFMAN, Presiding

MUSIC—Overture “The Mill on the Cliff”

THE UNIVERSITY 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—“The University and Liberal Culture”

LOTUS DELTA COFFMAN, Ph.D.
President of the University

MUSIC—“Valse Russe”

THE UNIVERSITY BAND

CONFERRING OF DEGREES

President LOTUS DELTA COFFMAN, Ph.D.

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!
THE COLLEGE OF SCIENCE, LITERATURE,
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VICTOR R. ANDRIST
RACHEL ELIZABETH BEARD
B. BERTHA BRILL
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JOHN STANLEY DONAHOE
JEAN GEMMEL ELMQUIST
CECILIA FRANK
FRANCES HARRISON
CHARLES A. HATCH

DAVID RICHARDSON HAUPF
ALTA HALVORSON HAYNES
ELIZABETH DELIGHT HUNTLEY
JEANETTE KIRCHNER
CORAL LUNDE
THOMAS EUGENE MAAS
ARNOLD C. OSS
SILAS VINCENT REEDY
JOSEPH YOUNG SIEUX

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(Academic Medical)

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PAUL RUSSELL GRONVALL
JOHN E. HOLT
DAVID JOSEPH LEWIS

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

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ARCHITECTURE

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ALVA WESTON MERRITT

JOSEPH FELIX SANNICOL0
KARL WILLIAM SELANDER

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HOME ECONOMICS

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CLAYTON W. BRAY

RODNEY CHARLES HASTINGS
CLYDE LUVERNE LARRABEE

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RUTH ELIZABETH FITCH
LOUISE SOPHIA LARSON
MARIA LITZ

MARIE ELIZABETH LUNDEBERG
FERN E. OSBECK
MARJORIE VICTORIA THORP
HELEN MAR TORINUS
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Peter S. Rudie, B.S., M.B.
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Russell Milton Farnham, B.A., B.S.
Burton Calvin Ford, B.A.
Robert Gladding Green, B.A.
DeForest Raymond Hastings, B.S.
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Roy Enoch Jernstrom, B.S.
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Leonard Winfield Larson, B.S.
Brand A. Leonard, B.S.
Earl R. Lowe, B.S.
Maurice Willard McInerny, B.S.
William Burns McMurtrie, B.S.

LeRoy Michael, Alois Maeder, B.S., M.A.
Paul Frederick Meyer, B.S.
Stanley C. Mulholland, B.A., B.S.
Robert Colliver Murdy, B.A., B.S.
Chester Leonard Oppegaard, B.S.
Percy Laing Owens, B.S.
Herman P. Radtke
George Edward Richardson, B.A.
William Peacey Shepard, B.S.
Raymond Jacob Spurzem, B.A., B.S.
Edwin John Tanquist, B.S.
Solveig Sigrid Thordarson, B.A.
Sophus E. Urberg, B.A.
Reuben Herman Waldschmidt, B.S.
Owen Harding Wangensteen, B.A., B.S.

Howard Hartnette Wolfe, B.S.
THE SCHOOL OF NURSING
GRADUATES IN NURSING

Esther Marie Anderson
Edith Frances Babidge
Constance Clapp
Gladys Una Ellsworth
Mabel Barbara Gander

Norma Ruth King
Barbara Sawyer Lee
Helen Josephine Catherine McKeon
Myrtle Manger
Irene Isabel Withey

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DOCTORS OF DENTAL SURGERY

Hilton Sydney Durbahn
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In Chemical Engineering

Samuel Isaac Aronovsky

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THE COLLEGE OF EDUCATION
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Mabel Evelyn Boss
Lyle Gordon Grant
Gladys Lenore Johnson

Helen Gertrude Keenan
Florence Margaret Kelsey
Margaret Mary Newell

Virginia Merle Nobry

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

LAURENCE 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 DEFIER
B.A. '19, Macalester
Major, Entomology
Minor, Bacteriology
Thesis, Studies on the Supposed Toxic Qualities of Calendra Granaria and Certain Other Coleoptera

HERBERT LEFKOVITZ
B.A. '20, Minnesota
Major, Political Science
Minor, History

MASTERS OF SCIENCE

CHESTER DISTAD DAHLE
B.S. '20, Minnesota
Major, Dairy Husbandry
Minor, Biochemistry
Thesis, Some Physical and Chemical Properties of Powdered Milk

SAMUEL HUGH HAPVEY
B.S. '16, Wesleyan University, Connecticut
Major, Dairy Husbandry
Minor, Agricultural Education
Thesis, Limits of Profitable Grain Feeding for Milk Production

HERMAN HANS JENSEN
B.S. '20, B.A. '20, Nebraska
Major, Pharmacology
Minor, Chemistry (Physiologic)

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

MASTERS OF SCIENCE

In Pathology

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

6
MASTER OF SCIENCE

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 Abnormalities and Displacements

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