

# University of Minnesota

COMMENCEMENT CONVOCATION  
WINTER QUARTER  
1934



NORTHROP MEMORIAL AUDITORIUM  
Thursday, March 22, 1934, Eleven O'Clock

# PROGRAM

President LOTUS D. COFFMAN, Presiding

PROCESSIONAL—"Pomp and Circumstance March" - - *Elgar*

MR. GEORGE H. FAIRCLOUGH

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—"What Is a Dollar?"

IRVING FISHER, Ph.D.

Professor of Economics, Yale University

ORGAN SOLO—"Pièce Heroique" - - - - *Cesar Franck*

MR. FAIRCLOUGH

CONFERRING OF DEGREES

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

President of the University

MR  
M666

SONG—"Hail, Minnesota!"

Minnesota, hail to thee!  
Hail to thee, our College dear!  
Thy light shall ever be  
A beacon bright and clear;  
Thy sons and daughters true  
Will proclaim thee near and far;  
They will guard thy fame  
And adore thy name;  
Thou shalt be their Northern Star.

Like the stream that bends to sea,  
Like the pine that seeks the blue!  
Minnesota, still for thee,  
Thy sons are strong and true.  
From thy woods and waters fair,  
From thy prairies waving far,  
At thy call they throng,  
With their shout and song,  
Hailing thee their Northern Star.

RECESSIONAL—"Marche de Fete" - - - - *Claussmann*  
MR. FAIRCLOUGH

U OF M BINDER X  
JUL 1 36

SMOKING

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the lounge rooms which have been provided for the purpose.

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655340

## CANDIDATES FOR GRADUATION

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

### SCHOOL OF DENTISTRY

#### GRADUATE DENTAL HYGIENISTS

MARIAN LOUISE HUNTINGTON

BERENICE EVELYN JOHNSON

### MEDICAL SCHOOL

#### GRADUATES IN NURSING\*

MARY E. COOVER

BERNICE S. DALEN

MARJORIE HELEN DELMORE

OLIVE MAE FISHER

AUDREY G. GOODNOW

MACIE MARCELLA GROEN

INGER E. HANSON

ELSIE E. A. HASTI

EDITH MARCELLA HEALY

RACHEL JOHNSON

ESTHER S. KINTZI

BEATRICE IRENE LOFGREN

LILLIAN MARIE MUNSON

ALICE EVELYN PETERSON

ELEANORE ANNE SANDAHL

RUTH MILDRED SCHULSTAD

VILMA MARIE SOUKUP

RUTH HELEN STRANDNESS

EDITH ELNOR THOMPSON

FRANCES L. WESTERGREEN

EVELYN ESTHER YAHN

### COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

#### BACHELORS OF ARTS

†*cum laude*

BETTY ANNE GRAVES

EDNA MARIE NELSON

NATHAN GUELLE SAX

\* These degrees are conferred subject to the satisfactory completion of nursing practice prior to June 18, 1934.

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

## BACHELOR OF SCIENCE

†*cum laude*

SYLVIA JUNE MOSKOVITZ

## BACHELORS OF ARTS

SOLOMON SAID ABBOTT  
KARL D'A. ANDRESEN  
PAUL C. BENTON  
DORIS BROOMELL  
DEAN WILLARD CARLSON  
BERNARD ALBERT COHEN  
ERIC M. EISENHARDT  
RICHARD RUNKEL EMERY  
OLIVE SYLVIA ERICSON  
HENRY BOYNTON ERIKSON  
ESTHER TODD FRENCH  
CLARENCE BERT GILBERT  
JOHN THOMPSON HALL  
WALLACE R. HOAGLUND

GRACE ELAINE JOHNSON  
BURTON HENRY JOHNSTON  
ALMA KJELLAND KERR  
WILLIAM ANDING LANGE  
BERNICE CHRISTINE MENGELKOCH  
ELAINE Z. NORTZ  
LAURENCE EARL NUGENT, JR.  
SHELDON W. PETERSON  
RUTH PLANK  
‡LOUIS J. SAUTER  
DANIEL KENNETH STERN  
MARTIN JOE STESIN  
ROSEMARY SWENSON  
HELEN ELIZABETH THOMPSON

W. DEAN TROMANHAUSER

## BACHELORS OF SCIENCE

MELVIN OLIVER BENSON  
IDA PETRA JEROME  
HELEN LEACH

WINIFRED G. LOMASNEY  
NATHAN GARY MANDEL  
ALLEN W. NELSON

## COLLEGE OF ENGINEERING AND ARCHITECTURE AND SCHOOL OF CHEMISTRY

### BACHELOR OF AGRICULTURAL ENGINEERING

FRED WILLIAM KESLER

### BACHELOR OF CIVIL ENGINEERING

HALVOR PAUL WAGTSKJOLD

### BACHELORS OF ELECTRICAL ENGINEERING

ARVID GUNNARD TURNQUIST

KARL LINDSTEN ZIEGLER

### BACHELOR OF ARCHITECTURE

KENNETH EDWARD HORNING

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

‡ Degree conferred as of September 2, 1933.

BACHELORS OF CHEMISTRY

MARIE CAPETZ  
ALICE BETTY CROZE

RALPH VICTOR WHITE  
BURR FRANKLIN WHITLOCK

BACHELOR OF CHEMICAL ENGINEERING

ELMER ADDISON FOSKETT

COLLEGE OF AGRICULTURE, FORESTRY, AND  
HOME ECONOMICS

BACHELOR OF SCIENCE

†with distinction

(Course in Agriculture)

EZRA P. REINEKE

BACHELORS OF SCIENCE

(Course in Agriculture)

STANLEY N. HALVORSON

EDWARD SAMUEL MOLBERG

(Course in Forestry)

FLOYD COLBURN

PAUL NORMAN SEASTROM

TEDDY M. HOLT

CLIFFORD WAYNE SWORD

RALPH WILLIAM NELSON

PHILLIP JEROME WATTERBERG

KARL FRED ZIEGLER

(Course in Home Economics)

DOROTHYBELLE CLARK

GERTRUDE PATRICIA HAYES

DORIS JENNIE GRAND

VIOLA MAE WANOUS

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

BACHELORS OF SCIENCE

(Course in Home Economics)

ALICE ELIZABETH BRIGGS

VIVIAN GENEVIEVE FOSTER

GURLEY HELEN FORSMAN

LOU ELLA J. GRUSSENDORF

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

## MEDICAL SCHOOL

### BACHELORS OF SCIENCE

ROLAND BUELL BOETTNER	FLORENCE FRANCES JONES
THOMAS JAMES DOYLE	WILLIAM ANDING LANGE
MARGARET JULIA DWELLE	RICHARD M. LEICK
HARRY FALK	SAM LEVI
FREDERICK GUNNAR GUNLAUGSON	DAVID McMILLAN MARCLEY, B.A.
ALVIN M. JENSEN	SIDNEY SAUL SCHERLING
BOURNE JEROME	HAROLD LINDELL STEMSRUD
EMIL W. JOHNSON	MAURICE WEISBERG, B.A.

## SCHOOL OF MINES AND METALLURGY

### ENGINEER OF MINES

*In Petroleum*

GORDON FENMORE SCOTT

### METALLURGICAL ENGINEER

MYRON NESTOR

## COLLEGE OF EDUCATION

### BACHELORS OF SCIENCE

*†with distinction*

MARCELLA HEALY	ESTHER B. HANSON
	ALVIN BERNARD PETERSON

### BACHELORS OF SCIENCE

LOUISE A. BACHMAN	MINNIE ALVILDE KJELDE
IONE NERISSA BRACK	IRENE LAMPE
RUTH MARGARET CUMMING	JOHN UFFORD LEVERSEE
BERNICE S. DALEN	HILDEGARDE THERESA LIMA
WILVA L. DAVIS	MARCELLA MARY MANN
MARJORIE HELEN DELMORE	EVERETT R. MILLER
DARYL JAMES GIBSON	INGRID O. MILLER
ALICE BELLE GOODHUE	FREDA RAICH
LOUISE ELIZABETH GRIVELLI	H. BEATRICE RANSTAD
VIRGINIA MARGUERITE GUERNSEY	MAURINE RICHARD
ELEANOR MINNA HARTWIG	ELEANORE ANNE SANDAHL
ELLA FRANCES KENNEDY	MARION HELEN SMITH

JOSEPH BENJAMIN WEST

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

## SCHOOL OF BUSINESS ADMINISTRATION

### BACHELORS OF BUSINESS ADMINISTRATION

GILLETTE K. AMIDON	BENNIE FRANK OHS
CARL R. CARLSTROM, JR.	LAVERN KENNETH PETERSON
GERTRUDE MARIE HOLSTAD	WILLIAM ARTHUR PORTER, JR.
JAMES MILES KALMEN	THEODORE R. PRICE
ROY CORNELIUS KOHLER	JEANNE MILDRED ROTH
‡KARL HENRY KRIESEL	ROBERT ALFRED STARN
LESTER CARSTON LARSEN	JOHN ROY TANNER
SAMUEL LISS	RICHARD B. WHITING
CLAUDE IRWIN LOTSHAW	MASON S. WILMERS

A. GORDON WOOD, JR.

### UNIVERSITY COLLEGE

#### BACHELOR OF ARTS

†*magna cum laude*

ALBERT THOMAS BARTON

#### BACHELOR OF ARTS

†*cum laude*

BETTIE BRASIE

#### BACHELOR OF ARTS

MARGARET BERNHARDINE THORSON

#### BACHELOR OF SCIENCE

ALBERT S. GOUSTIN

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

‡ Degree conferred post obitum.



## GRADUATE SCHOOL

### MASTERS OF ARTS

SYLVIA OTELLA BERGE

B.A. '31, Augsburg College

Major, Education

Minor, Zoology

Thesis, Analysis and Classification of Study Helps in Junior High School Eighth Grade Readers

HAROLD HERMAN HELMS

B.S. '28, University of Minnesota

Major, Educational Administration

Minor, Economics

Thesis, The Effect of Equalization of Elementary School Support in Waupaca County

MURRAY FIFE BUELL

B.A. '30, Cornell University

Major, Botany

Minor, Geology

Thesis, The Seed and the Seedling of *Acorus Calamus* L.

ALWYN ROBERT HOLST

B.A. '20, Hamline University

Major, Educational Administration

Minor, Educational Psychology

Thesis, Analysis of the Physical and Health Education Programs of a Selected Class of Schools in Minnesota

FRED LLEWELLYN CURRAN

B.S. '21, Stout Institute

Major, Education

Minor, Educational Psychology

Thesis, The Demonstration Method versus the Instruction Sheet Method in Teaching Industrial Arts

STELLA ROSS KELLEY

B.S. '26, University of Minnesota

Major, Education

Minor, Educational Psychology

Thesis, A Survey of the Red Lake Falls Teacher Training Department and of Its Product over a Period of Twenty-One Years

ALICE BLANCHARD GRANNIS

B.S. '28, University of Minnesota

Major, Educational Administration

Minor, Educational Psychology

Thesis, A Comparative Study of the Formal Training of the Faculties of One Hundred Colleges

HERMAN HAROLD KOHL

B.S. '26, Eastern State Teachers College

Major, Educational Administration

Minor, Educational Psychology

Thesis, A Study of Certain Aspects of School Administration in Hanson County, South Dakota

CELINDA BURNAP HADDEN

B.M.E. '30, Northwestern University

Major, Educational Administration

Minor, Educational Psychology

Thesis, An Analysis and Comparison of Five Junior High School Song-books

MARY MCNAIR McCUNE

B.A. '15, Wellesley College

B.S. '19, Simmons College

Major, Sociology

Minor, Preventive Medicine

Thesis, History of the Minneapolis General Hospital 1887-1930

THEODORE ARTHUR PEARSON

B.A. '30, Gustavus Adolphus College

Major, Physiology

Minor, Pathology

Thesis, The Relation of the Carotid  
Sinus to the Control of Respiration

WALTER WELLS STURTEVANT

B.A. '29, University of Minnesota

Major, Education

Minor, Industrial Education

Thesis, Course Content in Mechanical  
Drawing

## MASTER OF SCIENCE

MATTHEW B. MOORE

B.S. '29, University of Minnesota

Major, Plant Pathology

Minor, Botany

Thesis, Studies in the Genetics and  
Cytology of *Ustilago Zeae* (Bekm.)  
Ung.

## MASTER OF SCIENCE

*In Agricultural Engineering*

WILLIAM BERNARD NIVISON

B.S. '32, Michigan State College

Major, Agricultural Engineering

Minor, Agricultural Economics

Thesis, The Performance of Disc  
Harrows

## MASTER OF SCIENCE

*In Chemical Engineering*

ROBERT MARTIN McADAM

B.Ch.E. '32, University of Minnesota

Major, Chemical Engineering

Minor, Agricultural Biochemistry

Thesis, The Electrolysis of Waste  
Sulfite Liquor

## MASTER OF SCIENCE

*In Civil Engineering*

HARRY BURGESS ROE

B.S. '08, University of Minnesota

Major, Civil Engineering (Hydraulics)

Minor, Farm Management

Thesis, Experimental Design of Ver-  
tical Drop Culverts

## MASTER OF SCIENCE

### *In Electrical Engineering*

JAMES COCHRAN BARNES

B.S. in E.E. '28, University of Minnesota

Major, Electrical Engineering

Minor, Mathematics

Thesis, An Experimental Investigation of Noise in Audio Frequency Amplifiers

## AGRICULTURAL ENGINEER

JESSE HAROLD NEAL

B.S. '24, Kansas State Agricultural College

M.S. '29, University of Minnesota

Major, Agricultural Engineering

Minor, Soils

Thesis, The Proper Spacing and Depth of Tile Lines Determined by the Physical Properties of the Soil

## CIVIL ENGINEER

ROBERT NELSON LOHN

B.C.E. '29, M.S. in C.E. '31, University of Minnesota

Major, Civil Engineering (Railway Engineering)

Minor, Civil Engineering, (Sanitary Engineering)

Thesis, High Joints in Concrete Pavements

## MEDICAL SCHOOL

### BACHELOR OF MEDICINE

*†with distinction*

SAM LEVI

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

## BACHELORS OF MEDICINE

JERE WRIGHT ANNIS, B.A.	ROBERT HENRY LABREE
FREDERICK PHILLIP ARNY	WILLIAM ANDING LANGE
FREDERIC T. BECKER	ARTHUR BUCHMAN LEVANT, B.S.
ROLAND BUELL BOETTNER	CURT W. LUNDQUIST, B.S.
WALTER DAVID CODDON	JOSEPH SIDNEY LYNCH, B.A.
BERNARD ALBERT COHEN	DAVID McMILLAN MARCLEY, B.A.
THOMAS JAMES DOYLE	CHARLES EWART McLENNAN, B.A., M.A.
HARRY FALK	GEORGE HODGSON OLDS, B.A.
CARL NORMAN GIERE, B.A., B.S.	WILLIS A. REDDING, B.S.
A. MARGARET GRANDY	SIDNEY SAUL SCHERLING
FREDERICK GUNNAR GUNLAUGSON	HAROLD LINDELL STEMSRUD
ROBERT DANA HARPER	STANLEY H. TYLER, B.A.
OLAF MARIUS HEIBERG, B.A.	BERNARD MARLIN URENN, B.A.
ROY ALBERT HOFFMAN, B.A., B.S.	CHARLES WILSON VANDERSLUIJS, B.A.
ALVIN M. JENSEN	MAURICE WEISBERG, B.A.
BOURNE JEROME	LAWRENCE BRODY WINKELSTEIN, B.A., M.S.
EMIL W. JOHNSON	WALE SAMUEL WRIGHT, B.S.
PHILIP ARZT KEES, B.A.	
RAPHAEL JOSEPH KOFF, B.S., M.S.	

## DOCTOR OF MEDICINE\*

*†with distinction*

CHARLES EWART McLENNAN, B.A., M.A.

## DOCTORS OF MEDICINE\*

MAURICE BORKON, M.B.	JOHN ALTON GILLEN, B.A., B.S., M.B.
EARL NATHANIEL BOSSINGHAM, B.S., M.B.	RALPH O. HAYDEN, B.S., M.B.
HAROLD F. BUCHSTEIN, B.A., M.B.	S. SVERRE HOUKOM, B.S., M.B.
DAVID BENNETT DAVIS, B.A., B.S., M.B.	MELVIN LOUIS HOVLAND, B.A., M.B.
EVERETT WALLACE DeLONG, M.B.	G. LEONARD ORTH, B.S., M.B.
FREDERICK WILLIAM ENGDÄHL, C.E., M.B.	WILLIAM LEWIS WALL, B.S., M.S., M.B.
MARTIN GUST ERICSSON, M.B.	LAWRENCE BRODY WINKELSTEIN, B.A., M.S.

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

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

## GRADUATE SCHOOL

### DOCTORS OF PHILOSOPHY

RALPH WILLIAM MACY

B.A. '29, Linfield College  
M.A. '31, University of Minnesota

Major, Zoology  
Minor, Entomology

Thesis, Studies on the Taxonomy,  
Morphology, and Biology of *Prosthogonimus Macrochis* Macy, A  
Common Oviduct Fluke of Do-  
mestic Fowls in North America  
Major Adviser, Prof. W. A. Riley

DAVID CLYDE SMITH

B.S. '26, Utah State College  
M.S. '28, Oregon State College

Major, Agronomy and Plant Genetics  
Minor, Plant Pathology

Thesis, Correlated Inheritance in Oats  
of Reaction to Diseases and Other  
Characters  
Major Adviser, Prof. H. K. Hayes

CHESTER ALLAN SWINYARD

B.S. '28, M.S. '29, Utah State Col-  
lege

Major, Zoology  
Minor, Entomology

Thesis, A Lymnological Study of  
Several Minnesota Lakes  
Major Advisers, Profs. Samuel Eddy  
and W. A. Riley

ALFRED LELAND VAUGHAN

B.A. '29, DePauw University

Major, Physics  
Minor, Mathematics

Thesis, Mass Spectrograph Analyses,  
and Critical Potentials for the Pro-  
duction of Ions by Electron Im-  
pact, in Nitrogen and Carbon  
Monoxide  
Major Adviser, Prof. John T. Tate

SAMUEL YUSTER

B.S. '26, North Dakota State College

Major, Physical Chemistry

Minor, Organic Chemistry

Thesis, The Catalytic Chlorination of  
Propane

Major Adviser, Prof. L. H. Reyerson

# University of Minnesota

SIXTY-SECOND  
ANNUAL COMMENCEMENT

1934



THE STADIUM  
MONDAY EVENING, JUNE EIGHTEENTH  
AT EIGHT-FIFTEEN O'CLOCK

# ORDER OF EXERCISES

President LOTUS D. COFFMAN, Presiding

## PROCESSIONALS—

Coronation March from "The Prophet" - - - - *Meyerbeer*  
"Marche Pontificale" - - - - - *Gounod*  
"Pomp and Circumstance" No. 1 - - - - - *Elgar*

UNIVERSITY OF MINNESOTA CONCERT BAND  
GERALD R. PRESCOTT, Conductor

## INVOCATION

THE REVEREND JOHN WALKER POWELL, '93, D.D.  
Special Lecturer, General Extension Division  
University of Minnesota

## HYMN—"America"

My country! 'tis of thee,  
Sweet land of liberty,  
Of thee I sing;  
Land where our 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!

## CHARGE TO THE CLASS

LOTUS D. COFFMAN, Ph.D., LL.D.  
President of the University of Minnesota

MUSIC—Selection from the Ballet "Sylvia" - - - - *Delibes*

UNIVERSITY OF MINNESOTA CONCERT BAND  
MISS FRANCES GILMAN, Harpist

## CONFERRING OF DEGREES

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

*(Selections played by the band as candidates march to the platform)*

Triumphal March from "Aida" - - - - -	Verdi
Homage March from "Sigurd Jorsalfar" - - - - -	Grieg
"Ballet Russe" - - - - -	Luigini
"Martha" Overture - - - - -	Flotow
"Largo" - - - - -	Handel
"Sacred Hour" - - - - -	Ketelby
"First Sonata for Organ" - - - - -	Borowski
"Stars and Stripes Forever" March - - - - -	Sousa
"Norma" Overture - - - - -	Bellini
Entrance of the Peers from "Iolanthe" - - - - -	Sullivan
"Vanished Army" March - - - - -	Alford
Soldiers Chorus from "Faust" - - - - -	Gounod
"Courts of Granada" Suite - - - - -	Chapi
"At the Well" Overture - - - - -	Blodek
"The Thunderer" March - - - - -	Sousa
"Finlandia" Tone Poem - - - - -	Sibelius
"Royal Decree" Processional March - - - - -	English
Priest's War March from "Athalie" - - - - -	Mendelssohn

## ANNOUNCEMENT OF HONORS AND PRIZES

### 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



## CANDIDATES FOR GRADUATION

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

### GENERAL EXTENSION DIVISION

Candidates presented by Richard R. Price, Ed.D., Director of University Extension

Marshals: ELEANOR J. CZOCK

GLYDE B. NIELSEN

### CERTIFICATES IN ENGINEERING

HOWARD NORVAL GRIFFIN

LEE JEROME MORRISON

PIER GUSTAFSON

ADOLPH JOHN PACHL

JAMES EMERSON TRASK

### SCHOOL OF DENTISTRY

Candidates presented by William F. Lasby, B.A., D.D.S., F.A.C.D., Dean of the School of Dentistry

Marshals: HELEN M. REMES

ARLENE D. WALBOM

### GRADUATE DENTAL HYGIENISTS

MARGARET JANET ANDERSEN

ELSA MYRA LAHTI

ANN FRANCES BENGTON

DORIS E. MESSEAS

LUCIA MARGUERITE CLOS

MARION ETHEL MINTZ

FLORENCE E. COONES

MADALYN E. MOAK

ROSE MARIE DE HEER

MURIEL ANNA MUCKLESTON

RUTH F. FRAZEE

DOROTHY E. OSSENBERG

ESTHER ANN HAAR

RUTH LOUISE RAUCH

JANE FREDABORG HASSLEN

ELSIE OLIVIA SOLBERG

HELEN H. JANZEN

LENORE MARGARET TAYLOR

GLADYS E. TENVOLD

### GENERAL COLLEGE

Candidates presented by Malcolm S. MacLean, B.A., Ph.D., Director of the General College

Marshals: LUDVIG R. LIMA

MARY JAFFRAY

## ASSOCIATES IN ARTS

MARGARET A. ADSEM  
JULIUS ALFONSE  
MARGARET WILMA ANDERSON  
BERNICE BARR  
CHARLES ADDISON BASSFORD  
FLOYD GERALD BLANCHARD  
MARY JANE BRIGHAM  
LEIGHTON H. BURRILL  
THEODORE F. CALLAHAN  
FREDRICK N. CARLSON  
RAYMOND CLARK  
CYRUS JEFFERSON COCHRANE  
CATHERINE MERRITT CONNELLY  
MARGARET LOUISE CUTTS  
GEORGE WILLIAM DREDGE  
MYRON B. DUDOVITZ  
BEVERLY B. FIE  
CYRUS EDMUND FIELD  
B. JAYNE FOOTE  
MORTON C. FREER  
MILDRED BABE FRIEDMAN  
MITCHEL ELI GARBER  
ROBERT WILLIAM GISH  
MARTHA MORNING GRANGER  
HELEN F. HARRIS  
MARTIN E. HEALY  
SAMUEL J. HELD  
THEODORE D. HILTON  
JEWELL M. JOHNSON  
KATHERINE JONES  
TALBOT SEELEY JONES  
GRETCHEN KELLAM  
THOMAS KENT KJELLAND  
CATHERINE ALICE KLOTZ  
MARGARET H. KLUGE  
PARK RITCHIE LEARNED, JR.  
MABEL ANN LINDQUIST  
HOWARD F. LOAGUE  
STEVE A. MAXSON

ROSELLA JUNE MILLER  
EVELYN CECIL MUELLER  
DOROTHY MAY MUNSON  
ALBERT S. OLEISKY  
DAVID FURMAN PARROTT, JR.  
NORMAN DAVIDSON PURVES  
JOHN TRUMAN QUAAL  
HOWARD RAYMOND QUESENBERRY  
CATHERINE A. RARICK  
BETTY RISING  
HERMAN JUNIOR ROBITSHEK  
J. THELMA RUSTAD  
CORRINE JANE SARTELL  
ELLA M. SCHAAR  
JOHN RAYMOND SCHEEFE  
DONALD HORACE SCHWEITZER  
MARJORIE MAY SEIDEL  
GEORGE A. SHACKELFORD  
ROBERT GOLDEN SHANNON  
WILLIAM CHARLES SILVER  
LORENCE A. SILVERBERG  
SHIRLEY DIANA SIPKINS  
FREDA MARY SMITH  
RICHARD GEORGE STEWART  
JANE ELIZABETH STONE  
LUCILLE ELIZABETH STRIBLEN  
HELEN ALICE STRITMAN  
CARL J. SWANSON  
JOHN EDWARD SWANSTROM  
JOHN OLIVER TAFT  
F. RICHARD THOMPSON  
FLORENCE FRANCES TONRICH  
ETHEL BELLE VESSEY  
CHARLES CLIFFORD WALKER  
MARVIN ANDY WANGSTAD  
BEATRICE JANE WERGEDAHL  
A. T. WHALEY  
RICHARD O. WILHOIT  
LLOYD EPPLER WORKMAN

## MEDICAL SCHOOL

Candidates presented by Katharine J. Densford, M.A., R.N., Director of the  
School of Nursing

Marshals: IRENE CIOCHETTO

DOROTHY LIEB

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RUTH E. BRODERICK  
HELEN D. BROWN  
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RUTH MAE CHAMBERLAIN  
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HELEN FRANCES ERET  
GRACE I. EVANS  
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ANN MARIE GUTH  
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MINNIE DORIS LARSON  
CORALICHTTENEGGER  
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LORETTA ANN LUNDBY  
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ELIZABETH D. WERT

MILDRED VIOLET WHIPKEY

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Candidates presented by Lloyd R. Fredendall, Lieutenant Colonel, Infantry, U.S.A.

### *First Lieutenant, Dental Corps.*

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ELGIN T. BANGERT

JOHN T. HOPKINS  
WILLIAM E. JACOBS

\* These degrees are conferred subject to the satisfactory completion of nursing practice prior to December 20, 1934.

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GEORGE P. DELONG II  
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*Certificate of Eligibility*

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*Second Lieutenant, Signal Corps*

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JEROME B. LAUERMANN  
ARVID B. NEWHOUSE  
SVEN I. PEARSON

**COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS**

Candidates presented by John B. Johnston, Ph.D., Dean of the College of  
Science, Literature, and the Arts

Marshals: BETSY EMMONS

KARL KREILKAMP

**BACHELORS OF ARTS**

*†summa cum laude*

JAMES FERGUSON KING

JOHN MEIGS HUBBELL OLMSTED

**BACHELORS OF ARTS**

*†magna cum laude*

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HEDLEY W. DONOVAN  
ALICE PATRICIA FURBARI  
SIDNEY GOLDISH  
WILLIS ALWAY GORTNER  
DOROTHY CYRIL HARRIS

ENID KATHLEEN PEARCE  
CLARENCE EDWARD PETERSON  
DORIS SMITH SPECHT  
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**BACHELORS OF ARTS**

*†cum laude*

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RUTH THOMPSON

EVA ELEANOR VIEREGGE

‡ Degree conferred as of August 27, 1932.

COLLEGE OF ENGINEERING AND ARCHITECTURE  
AND SCHOOL OF CHEMISTRY

Candidates presented by Samuel C. Lind, Ph.D., Director of the School of Chemistry

Marshals: RAYMOND J. KOICHEVAR      DAVID GRAHAM

BACHELOR OF AERONAUTICAL ENGINEERING

†with high distinction

WILLIAM REES SEARS

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†with high distinction

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MILES STOKES KERSTEN

HUGO THEODORE SHOGEN

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OTAKAR PELVIN PRACHAR

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†with distinction

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MIRZA FRANK GREGG

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WILLIAM CHESLEY REYNOLDS

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LAWRENCE T. JILK  
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WILLIAM RUSSELL PASICH

MARSHALL FRANKLIN RULEY  
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MAURICE WILLISTON STACY  
GEORGE TREACY  
HAROLD W. WENDORF

## COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

Candidates presented by Edward M. Freeman, Ph.D., Dean of the College of  
Agriculture, Forestry, and Home Economics

Marshals: SHIRLEY EMERSON

BERNIE D. PETERSON

### BACHELOR OF SCIENCE

†*with high distinction*

(*Course in Home Economics*)

BETTY RAMSDELL

### BACHELORS OF SCIENCE

†*with distinction*

(*Course in Agriculture*)

HENRY HOBERT MAYO

(*Course in Agricultural Science*)

ENOCH BETUEL NORUM

### BACHELORS OF SCIENCE

(*Course in Agriculture*)

GEORGE HENRY BERGGREN  
ERHARDT W. BREMER  
EBENHARD S. GANDRUD  
GARDINER ALEXANDER GRAHAM  
RICHARD GEORGE HERRICK  
RAMER D. LEIGHTON  
TRUMAN RAYMOND NODLAND

DONALD K. OLSON  
ARTHUR ROTH, JR.  
CLEAVER MAURICE SORENSEN  
EMERSON WILLIAM STOREY  
LOUIS J. TEPLY  
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JAMES STEPHEN WILKUS

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LOUIS JUDEA BERMAN	MARTIN L. ODLAND
NATHAN GUTTMAN	JOHN OGNANOVICH
JACOB H. JANZEN	HERMAN KARL SCHULTZ
EMMET BERNHARD JOHNSON	WILLIAM H. ZIEMKE

*(Course in Forestry)*

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*†with distinction*

*(Course in Home Economics)*

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*(Course in Home Economics)*

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BERNICE PATRICIA LEITER

WINIFRED I. BARBER

RUTH MARGARET LOHMANN

BARBARA JEAN BELL

MARION A. MUIR

RUTH LOIS BENGTON

JULIETTE MYREN

RUTH L. CAMPBELL

JANE OBERG

MARY MARGARET COY

NATALIE ELEANOR ORFIELD

THORA VIRGINIA EGLAND

ALICE ANN PALLANCH

MARGUERITE MABEL ERICKSON

MILDRED FRANCES SCHILDGEN

RUTH KAREN GRYTBAK

LEONA EVELYN TOMNITZ

ABIGAIL JUELLA KITTLESON

DOROTHY MARIE VALINE

AUDREY MARIE KNOX

GERTRUDE WEISMAN

EVANGELINE GRACE LARSON

MIRIAM WEST

ELENA ANNA ZELENIAK

## LAW SCHOOL

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

Marshals: WRIGHT W. BROOKS

THOMAS O. KACHELMACHER

## BACHELORS OF SCIENCE

*In Law*

LOUISE STINCHFIELD BROWN

MYLES LAGRANGE MACE

ATELL P. FELIX

HOWARD MITHUN

ROBERT E. GOULD

GEORGE EARL MORRISSEY

CHARLES THOMAS HEENAN, JR.

ALLEN ISADORE NILVA

KENNETH MILTON HOUGH

WILLIAM JOHN OLTMAN

WALTER STANLEY JOHNSON

AXEL B. PETERSON

CHARLES WILLIAM KENNEDY

DOROTHY LENORE PETERSON

KENT CRAWFORD VAN DEN BERG

## MEDICAL SCHOOL

Candidates presented by Elias P. Lyon, M.D., Ph.D., LL.D., Dean of the  
Medical School

Marshals: JULIUS WINER

HYMAN L. FRIEDEL

## BACHELORS OF SCIENCE

†*cum laude*

VERNA ELIZABETH DeLEO  
ETHELMAE EYLAR  
MARJORIE HANSTAD

MARGUERITE MARIE KOLB  
HULDA T. NYLAND  
LOUIE VIVIAN YOUNG  
GRACE CHARLOTTE ZSCHIESCHE

## BACHELORS OF SCIENCE

GEORGE NELSON AAGAARD, JR.  
LAURENA FERNOW ANDERSEN  
EDWARD M. ANDERSON  
GORDON ARNOLD ANDERSON  
ALICE MARIE BARDWELL  
MARY BRODERICK BATCHELDER  
JOHN ALBERT BORAAS  
JOHN EDWARD BOYSEN  
MARION BRAUNWORTH  
KENNETH EBEN BRAY  
BEATRICE J. BURLINGAME  
REUBEN DONALD CHIER  
LYMAN BIRNEY CLAY  
HELEN MARION COX  
ELEANOR ELIZABETH DUERR  
ROBERT DYAR, B.A.  
ELIZABETH ENGEL  
FURMAN LAMAR FOSTER  
PAUL J. GANS  
IRVING JEFFERY GLASSBERG, B.A.  
MOE GOLDSTEIN, B.A.  
HAROLD D. HARLOWE  
MAXINE FLORENCE HILL  
HAZEL MAE HODGES  
DONALD McCLURE HOUSTON  
JAMES LYMAN JAECK  
HARRIET D. JAMES  
HAROLD C. JOHNSON  
PAUL AMES JOHNSON  
MELBA ELIZABETH JOHNSTON  
LOUIS J. KATZ  
HERSCHEL J. KAUFMAN  
ROLLAND ELLIS KEEFE  
GEORGE CHARLES KIMMEL, JR.  
HELEN L. KNUDSEN

NORBERT JOHN KULZER, M.B.  
JOHN A. LAYNE  
GERALD O. LAXSON, Phm.C.  
KATHERINE ETHEL LEMON  
JOHN GEORGE LOHMANN  
GERALDINE AILEEN LUNDQUIST  
AARON MODELEVSKY  
HUGH O. MORGAN, JR.  
LEO AXEL NAYKKI  
ANNE IRENE NECHANICKY  
ARTHUR ALFRED NELSON  
EVERETT PARMLY NELSON  
ROBERT STUART NELSON  
ARCHIE S. NISSEN  
MALVIN JOHN NYDAHL, B.A.  
PIERRE JOHN NYVALL  
ARDIS OLSON  
WARREN E. PARKER  
DONALD BULLEN PETERSON  
THEODORE BROWN RASMUSSEN  
JENNIE DORIS ROBERTS  
HENRY JOSEPH ROEMER  
JAMES GEORGE SAWYER  
WALTER ROBERT SCHMIDT, B.A.  
JOHN EARL SCHROEPPEL  
JACOB A. SHEINKOFF  
DAVID ADLER SHER  
RUTH BERNADINE SISSON  
ESTHER PAULINE SKERIK  
ROBERT CHRISTIAN STRAND, B.A.  
ROBERT DEXTER THIELEN  
VIRGINIA ALICE TINCHER  
MARC J. WALLACE  
THOMAS GIBBS WELLMAN  
MERVYN M. WILLIAMS

WILLIAM P. YUNCK

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

## SCHOOL OF MINES AND METALLURGY

The following candidates are absent from the city engaged in field work. Their degrees will be conferred in absentia.

### ENGINEERS OF MINES

FLOYD G. ANDERSON	RODNEY DARROW HODGE
JOHN HENRY BLACKMORE	KENNETH RICHARD JOHNSON
MARTIN SIMPSON BYRNES	EDWARD HAROLD KLOSS, JR.
TILNEY WILLIAM ERAHARDT	ROBERT PAUL MINDER

WILBERT JOHN TREPP

### ENGINEER OF MINES

*In Geology*

GEORGE ALFRED RUSSELL

### ENGINEERS OF MINES

*In Petroleum*

WILLIAM BERTRAM DEMARS	WALTER HASEBROOK HOLLERAN
FREDERIC MEYER	

### METALLURGICAL ENGINEERS

FRANCIS WILLIAM BOULGER	SIGVALD B. KNUTSON
JOHN COHEN	HARLAN M. SPLAWN
HOWARD FRANK EILERS	GORDON E. STOLBERG
H. ARTHUR JENSEN	JOHN H. WILKE

### COLLEGE OF PHARMACY

Candidates presented by Frederick J. Wulling, LL.B., Ph.M., *causa honoris*, Phm.D., LL.M., D.Sc., *causa honoris*, Dean of the College of Pharmacy

Marshals: CLARK L. SNYDER                      CURTIS H. WALDON

### BACHELORS OF SCIENCE

*In Pharmacy*

LESLIE EMRICK ANSHUS	ARNOLD L. CRANE
THEODORE S. ARNESON	LAWRENCE D. ENGLER
ALBERT SHERMAN BERGMAN	GERALD FOSTVEDT
MILAN JOHN BOOTH	JOHN SEBASTIAN HADLEY
ALLEN STEPHEN CATER	ROBERT KJELLAND HANSON
JACK ALVIN COHEN	FRANCIS W. HOGAN
CHAUNCEY IRA COOPER, Phm.C.	ESTHER JAHN



HOWARD RAYMOND JOHNSEN  
EDWARD WILLIAM KADELA  
IRVING E. KAPLAN  
HILDA H. KAPPELMAN  
BENJAMIN KATZ  
RAY A. LACHER  
DONALD H. LANDY  
HARRY H. LEBOWITS  
SELMA LEVINE  
MARCUS JOHN LEYHE

MARTIN JOSEPH LIEBERMAN  
LESTER ERWIN MANECKE  
JAMES PHILIP MORAN  
SYLVESTER SCHUELLER  
STANLEY JOHN SHIMA  
DAVID STILLMAN  
MARY AGNES SULLIVAN  
HELEN M. WILCOX  
ELLIS DONELLY WILLIAMS  
JANYCE GERMAINE WOLFORD

## COLLEGE OF EDUCATION

Candidates presented by Harold Benjamin, Ph.D., Assistant Dean of the  
College of Education

Marshals: PAUL E. NELSON

MARGARET E. DAY

## BACHELORS OF SCIENCE

†with high distinction

ALPHILDA W. ANDERSON  
JOSEPH FRANCIS HERBENAR

MAXINE EUNICE SWENSON  
THYRZA TYRELL

EDITH C. WALLENBERG

## BACHELORS OF SCIENCE

†with distinction

FRANCES ANDRIETTA ANDERSON  
VIRGINIA BESS BIDDINGER  
TYBEL BLOOM  
DOROTHY MARIE BONHUS  
ALICE KATHERINE BROWN  
HANNAH F. BURGGREN  
MARTHA STAMATIA CANELAKE  
EVELYN MARJORIE CARROLL  
RICHARD HENRY DAGGY  
ALICE LUCILLE DAHL  
CARRIE MAY DOKKEN  
GEORGE BARKER ENGBERG  
GRACE CLARA FARNHAM  
CLEMENS WALTER FREDEEN  
VIRGINIA ELOISE GOTAAS  
HANS FREDERIC HANSEN  
HELEN IOLA HUSEBY  
LEON ANDRE KIEF

PEARL ALICE KIENHOLZ  
EDITH JANET LAKE  
ARTHUR ZEPHYRIN LANDRY  
JANET L. MCGAFFEY  
CORNELIA RUTH OLSON  
ELLEN IRENE PETERSON  
HERLEIK J. QUAMME  
MONA REDMOND  
RIVIA J. ROSENBERG  
J. R. SCHUNERT  
PAUL STONE  
RUTH HELEN STRANDNESS  
ROSALICE STUBER  
MILLARD JOHN FREDERICK SUNDIN  
IRENE TAEUBER  
MILTON W. VIHSTADT  
MILDRED LUCILE WELD  
ELLEN E. WILSON

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

## BACHELORS OF SCIENCE

HARRIET HAZEL ABELMAN	BERNICE DORTHIA DEMEULES
AGNES MALFRID AGA	MERVIN CARL DILLNER
GLADYS H. AHLSTROM	ALLISON DOEDEN
HESTER I. ALBERTSON	HELEN MARY DONNELLAN
FLORENCE MARIE ALLEN	MARY EILEEN DONOHUE
ALICE VIRGINIA AMES	KATHRYN MARGARET DOOLEY
CARL WILLIAM ANDERSON	ISABELL T. DRISCOLL
ELEN MARIE ANDERSON, G.N.	RUTHALYCE DUNLEVY
MARY APPELGET	ELAINE M. EFFERTZ
MAURINE VIVIAN AULTFATHER	MURIEL M. EFNOR
MARGARET JANE BAIRD	ALBERT A. ELLER
ELIZABETH ANN BARNES	DOROTHY ANNA FALK
JEANETTE CAROLINE BARQUIST	WILLIAM E. FARRELL
VIRGINIA OLIVE BASS	HELEN M. FILBERT
CATHERINE H. BAUMAN	LUCILLE M. FISHER
EDNA MARTHA BECK	SYLVIA KAREN FLAGSTAD
MILDRED RHODA BENNETT	ROSS ELLWOOD FREDERICKSON
MARGARET ELLEN BENSON	WILLIAM ALLEN FREEBURG
CLAUDIA INGIBJORG BERGMAN	VERA ALINE FUSSELL
JULIA BILTZ	E. W. GENTRY
MARGUERITE LAMBERT BIRCH	ROSE AGNES GLENN
FRANCES CATHERINE BISKUP	HORACE BENNETT GORTON
EDITH BLISSETT	GORDON WILLIAM GRANBERG
MARJORIE ANN BODINE	ALICE ROBERTS GRAY
FRED ROBERT BOELTER	EVELYN G. GREEN
GLORIA GERALDINE BOOCK	MARGUERITE ANN GREENFIELD
CONSTANCE M. BOVIM	LUCILE CATHERINE GREINER
IONE NERISSA BRACK	GRETCHEN G. GRIMM
FLORENCE JESSICA BUDGE	KATHERINE MARIE GROTTUM
LUCILE AGNES BUNNELL	LOIS ELINOR GROVES
DOROTHY LAVANCIA BURNS, B.A.	DOROTHY ELIZABETH GRUBB
NORBERT A. BUSCH	GEORGE HARLAN HALLMAN
LA FAY ANGELA CARBONE	ALICE HANSEN
CORINNE ALICE CHAPMAN	WALTER G. HARGESHEIMER
SENORA MALINDA CHARLSON	RUTH EVELYN HARLING
EDITH MIRIAM CHENEY	MARVIN DONALD HARRIS
WALTER WESSLEY CHRISTOPHERSON	BEATRICE LUCILLE HASELTINE
ROBERT COCHRAN	DEANNE LOUISE HATFIELD
JOSEPHA K. COTOSKI	GRETCHEN HELEN HEADLEY
LEONA COTTER	STANLEY HELLELOID
DOROTHY L. CRAIG	ORPHA HELSTEIN
DOROTHY HELEN CURRAN	CORAL GENEVIEVE HEMMINGSON
DOROTHY JANE DARRELL	FAITH ALBERTA HENDRICKS
ANNE MARIE DAUB	ARNOLD N. HERMANSON
FLORENCE GERTRUDE DAVIS	INA HIETALA
MARJORIE HELEN DELMORE	DOROTHY B. HILL

CURTIS ETHAN HOLDRIDGE, B.A., M.S.  
 JACQUELINE HOLLERAN  
 LOUISE DOROTHY HOPKINS  
 JANET MARTHA HOUG  
 LLOYD HRIBAR  
 MARY MARGUERITE HUGHES  
 MYRTIE AGNES HUNT  
 MARGARET ISABELLE HUNTINGTON  
 CATHERINE MARGUERITE JANES  
 GENEVIEVE IOLA JOHNSON  
 GENEVIEVE M. JOHNSON  
 LAURA ELEANORE JOHNSON  
 RUSSELL HARRY JOHNSON  
 RUTH E. JOHNSON  
 VIVIAN MARY JOHNSON  
 DOROTHY HARRIET JOHNSTON  
 NELLIE JONK  
 HELEN BERTHA JORGENSON  
 FRANK CHARLES KAMMERLOHR  
 WALTER CHARLES KANGAS  
 RENEÉ MARJORIE KEYES  
 MARJORIE KING  
 RICHARD IVER KNUDSEN  
 FAYETTE F. KRAUSE  
 HELEN VIOLET KUUSINEN  
 RUTH LINDA LANDMANN  
 EDITH B. LA PRAY  
 FRED LA ROQUE  
 DOROTHY PAULINE LARSON  
 MINNIE DORIS LARSON  
 AUNE ELVIRA LAUHALA  
 GERTRUDE IRENE LAVALLEY  
 MARY RUTH LEIGHTON  
 CATHERINE PATRICIA LIEB  
 HILDEGARDE THERESA LIMA  
 ARTHUR CARL LINDMAN  
 MARTHA ELEANORA LINDSTROM  
 LENORE ING WALSON LITKENHOUS  
 BEATRICE IRENE LOFGREN  
 EDWARD SCOTT LOYE, B.E.E., M.S. in E.E.  
 ALTA HALLOCK LUCIUS  
 MARIE CATHERINE LUNNEY  
 JOHN FRANCIS X. LYNSEY  
 LOTTIE MARGARET LYON  
 EVA ERICKSON MACIVOR  
 EDITH LUBELL MACMASTER  
 GLADYS C. MAJZNER  
 MARY MARGARET MALEVICH  
 ELEANOR MARIE MARSHALL  
 LILLIAN GOVE MARTIN  
 ELLEN ELIZABETH MARTILA  
 MARTHA A. MARTILA  
 JULIA MAY MILLER  
 LOUISE I. MINKEL  
 PHYLLIS MARY MISBACH  
 IRENE A. MISKOWITZ  
 VIRGILIA MARY MOATS  
 CHARLOTTE LEONA MOLSTAD  
 MARIE L. MUELLER  
 EUNICE L. NELSON  
 BETTY ELLIN NEWBURG  
 HAROLD BERNARD NOVEMBER  
 BETTE JEAN OBERST  
 FLORENCE KATHERINE ORLEBEKE  
 SOPHIE TRYPHENE OSTLIE, G.N.  
 HELEN ELEANOR OTTERBLAD, G.N.  
 ELLEN IMPI PAKOLA  
 CARLOS TOMADA PARRILLA  
 IDA ELLEN PARRY  
 DOROTHY JEANNETTE PEARSON  
 EVELYN RUTH PEARSON  
 IRVING PERLMAN  
 BLANCHE MERCY PINKUS  
 IONE LAVINA PIPER  
 RUTH LILLIAN POHJONEN  
 CHESTER A. POWERS  
 MARION AGATHA PULLING  
 GLADYS BERNICE QUIST  
 JACQUELINE STEARNS REDFIELD  
 MARY DOLORES REILING  
 VERONA E. REITER  
 WILBERT E. REMMELE  
 NATHAL ADELAIDE RIEDLER  
 THOMAS MORTON ROSCOE  
 J. ADELE ROSENBLUM  
 MARGARET ANN SARSET  
 ELSIE A. SCHLEY  
 ERVIN CHARLES SCHNEIDER  
 VERONICA J. SCHOUWEILER  
 CORENE LUCILLE SCHROEDER  
 MARIAN SCHWARTZ  
 MARIE C. SELVIK  
 EVELYN LOVINA SETZLER  
 GEORGIANA LUCRETIA SHUMWAY  
 MARGARET LOUISE SIAS  
 VALERIE JANET SIEGEL

KENNETH HOWARD SIMSER  
 EDWARD REINHARD SITZER  
 VIVIAN A. O. SMEBY  
 WALTER JOHN SOCHACKI  
 LORAINÉ LOIS SOGGE  
 GLENORA ANNETTE SOMMER  
 FLOYD P. SÖRENSEN  
 KATHERINE SOTEROPLOS  
 VERA ELIZABETH SPARKES  
 ADELE ESTHER SPELLISEY  
 JOHN ADAMS SPELMAN III  
 VIVIEN OPAL STEBBINS  
 CARROLL NEWMAN STENSON  
 DONALD S. STEPHENS  
 FLORENCE ELVIRA STONE  
 EMILY STREMEL  
 ALICE ANN SWANBERG  
 BETTY SWINBURNE  
 DOLCIA VIRGINIA TELFER  
 DOROTHY FRANCES TENNEY  
 HELEN KATHARINE THEES  
 MURIEL M. THEURER

CAROL THOMAS  
 HELEN MARTHEA THOMPSON  
 MAURINE TIMMERMAN  
 ELSIE KATHRYN TINGLOFF  
 AUNE MARIAN TOIVOLA  
 MARJORIE ANN TRISKO  
 VADER G. VAN SLYKE, B.A.  
 EMILY WHITE WALTERS  
 DORA ERNESTINE WARNER  
 ELIZABETH FERGUSON WATSON  
 MARSHALL WELLS  
 OLIVE RUTH WHITFORD  
 MAY WHITTIER  
 ADA DAKOTA MAE WIGEN  
 FLORENCE WIHRET  
 RUTH ELIZABETH WILDER  
 CLAIRE HORTENSE WILE  
 LOIS HELENA WILL  
 HELEN AGNETTA WING  
 GEORGE FRANKLIN WINGERT, JR.  
 MARY LOU WOLD  
 WALTER WOOCK

CARL S. YOUNGQUIST

## SCHOOL OF BUSINESS ADMINISTRATION

Candidates presented by Russell A. Stevenson, Ph.D., Dean of the  
 School of Business Administration

Marshals: GRACE H. ADAMS

WILLIAM S. BARING-GOULD

## BACHELORS OF BUSINESS ADMINISTRATION

†with distinction

RUSSELL WILLIAM LAXSON

JOHN H. ROCKWELL

MERTON PHILIP STOLTZ

## BACHELORS OF BUSINESS ADMINISTRATION

ALBERT LESTER ANDERSON

WOODROW W. BESKE

DAVID HARVEY BEAUDETTE

ROLAND FRANK BINA

MILDRED OLIVE BELSHEIM

ELIZABETH H. BIRCH

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

ROBERT CARTER BLACKMAR  
CURTIS R. BLOOM  
HOWARD SIDNEY BRATTER  
HAROLD SAMUEL BRAUNSTEIN  
EILEEN MARY BURNS  
ROBERT HAROLD BURRILL  
JOSEPH JEFFRIES CALHOUN  
CARL R. CARLSTROM, JR.  
HAROLD ELMER CHARNHOLM  
ORAN FLAVIUS CHENOWETH  
ESTELLE S. COLLINS  
JOHN KEITH COMER  
MARGARET JANE CUMMINGS  
MARGARET ELIZABETH DAVIS  
ADAM EDWARD DECKER  
KAREN LOUISE DE GROODT  
ROY WALTER DELIN  
DAVID DONOVAN  
MELVIN ALEXANDER ELDER  
HARLAN MANUEL ERICKSON  
FORD MELVIN FERGUSON  
NATHAN FLIGSTEIN  
JOHN WILLIAM FORNEY  
CARL EDMUND FORSYTH  
DOROTHY GLEE GABBY  
HARVEY REYNOLDS GALBRAITH  
JOHN KENNETH GLENDENNING  
ELAINE F. GODWARD  
RUTH GOLDBERG  
RICHARD C. GREWE  
MARTIN G. GUSTAFSON  
STANLEY J. GUSTAFSON  
NORMA RAE HEATH  
GEORGE BENEDICT HERMAN, JR.  
REGINA EASTMAN HOFF  
MARJORY E. HOLLISTER  
MERRILL R. HOLSTE  
DONALD MAYWOOD HOLVERSON  
RALPH HERMAN HUEBSCHER  
THOR MARTIN HVAL  
JOSEPH P. JAROSCAK  
L. DUDLEY JEPSON  
ELIZABETH S. JOHNSON  
ROBERT HAROLD JOHNSON  
ADELL BERNICE KENNEDY  
GRAYDON JOHN KILBORN

LORETTA DORIS KOELFGEN  
ROBERT E. LAMBERT  
JOHN PETER LAINE  
RALPH HJALMER LARSON  
DOROTHY A. M. LIEBIG  
NORMAN B. LINDSTROM  
SOL LIPKIN  
SAMUEL LISS  
EMMA VAUGHN LYNCH  
ALLAN ATWOOD MARSH, JR.  
A. WILBUR MCCONNELL  
MYRON PHILIP MEMMER  
MADELINE ANN MENGELKOCH  
GORDON FREDERICK MICK  
SARA MOORE  
THOMAS L. MOWERY  
ALICE LOUISE NIENABER  
ORVILLE J. NORDGREN  
GUDRUN CHRISTINE NYKAAS  
THOMAS McCUNE OFFER  
ETHEL ELAINE OUIMETTE  
ARTHUR M. OVENTILE  
KATE PEARCE  
GEORGE TENNANT PENNOCK  
ARNE SYLVESTER PETERSON  
CLARENCE J. PFEIFER  
PAUL T. POUTINEN  
WALTER EMANUEL RASK  
GEORGE A. ROBERTS  
MARLYS NONA ROBERTSON  
LEONARD SALITERMAN  
CARL EVERETTE SANDEEN  
WILLIAM E. SKINNER, JR.  
RUTH CHARLOTTE STALLAND  
ROY EVERETT STEIN  
STANLEY LE ROY STENNES  
MARTIN EBENHARDT STRAND  
KENNETH KILLIAN VENNEWITZ  
RALPH JENSBY VOSS  
IRVING WALDMAN  
ROBERT J. WASSMUND  
WARREN TUPPER WAY  
CHARLES JEWETT WELLS  
WILLIAM EARL WESTERDAHL  
HARLAN MONROE WHITMAN  
OWEN EDMUND WYNNE

JACK GOTTFRIED ZESIGER

## UNIVERSITY COLLEGE

Candidates presented by John T. Tate, Ph.D., Chairman of the University  
College Committee

Marshals: LORAINÉ GOLDBLOOM

IRMA M. HAMMERBACHER

### BACHELOR OF ARTS

†*summa cum laude*

FLORENCE MARGUERITE BILLING

### BACHELORS OF ARTS

†*cum laude*

GENEVIEVE LOUISE BILLINGS

LAURA B. HUGHES

LAWRENCE ALLAN DOORE

MARIAN JAEHNING LONGSTAFF

FRANCES MARION FORD

DOROTHEA FRANKE RADUSCH, D.D.S.

JOHN WEEDON VERRALL, B.Mu.

### BACHELORS OF ARTS

ELMINA K. ANDERSON

JEANETTE MILLER

MARY WRIGHT ANDREWS

KENNETH RAYMOND MULCRONE

ROBERT E. BIEDERMANN

HELEN WELCH MURCHIE

K. JANE CADWALLADER

JOHN EDWARD PAULSEN

MIRIAM GOLDBERG

MIRIAM PICKETT

GERTRUDE METCHNEK

HERBERT CAVANAUGH RICHARDSON

IRA K. TAKLE

### BACHELORS OF SCIENCE

ROBERT EUGENE ANDERSON

EDWARD W. SANN

JACK MARTIN VILETT

## SCHOOL OF DENTISTRY

Candidates presented by William F. Lasby, B.A., D.D.S., F.A.C.S., Dean of the  
School of Dentistry

Marshals: CLAUDE R. BAKER

DONALD O. GILMAN

### DOCTORS OF DENTAL SURGERY

LEONARD FRANK ABRAMSON

ROY LEONARD ANDERSON

ARNOLD O. AMLEY

ABRAHAM THEODORE BANEN

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

ELGIN THEODORE BANGERT  
 FREEMAN LEE BLUNT  
 HARRY GEORGE BRUDNOY  
 LLOYD EDWARD CHILDRESS  
 EUGENE P. DALEY  
 ROBERT CHARLES DERRICK  
 EVERETT W. DISNEY  
 J. WEIR EWING  
 ARTHUR BERNARD FOSSUM, B.S.  
 ROY CECIL GESSNER  
 EDGAR JASON GOULTY  
 WARREN JUSTIN HANSON  
 ROBERT WOOD HART  
 JEROME JOSEPH HINIKER  
 JOHN THOMAS HOPKINS  
 LEONARD STRONG HUGUNIN  
 WILLIAM E. JACOBS  
 HERMAN G. JANSSEN, B.S.  
 ARNOLD WILLIAM JOHNSON  
 ELMER M. JOHNSON  
 JOSEPH EDWIN KELLER  
 PAUL VERNON KELLER  
 IRVING CALBERT KOLEVZON

WALTER STANLEY LANGSTON  
 MILTON GEORGE LARSON  
 JOEL MARGARETTEN  
 R. COLLIS MATTESON, B.S. in E.E.  
 LAURENCE ALLAN McLEAN  
 ROBERT ERWIN MINER  
 ROBERT INNES MONICK  
 HARVEY M. MONSON  
 WILBUR EMMET OLESON  
 JOHN MAX PAULSEN  
 RAY G. PERSCHBACHER  
 GEORGE CALVER PORTEOUS  
 STEPHEN PAUL QUINN  
 LAWRENCE CARLTON RADFORD  
 WALTER JOHN RUETER  
 HERMAN R. RUTTEN  
 MIHLO G. SCHAEFER  
 CECIL GAULT SHERK  
 ELDON JASPER SPRINGMEYER  
 ANSEL STEINMAN  
 ROBERT LESLIE STULTZ  
 JUSTIN SAMUEL THADDAEUS  
 GEORGE CHARLES WEBBER

## LAW SCHOOL

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

Marshals: WRIGHT W. BROOKS

THOMAS O. KACHELMACHER

## BACHELORS OF LAWS

ROGER BARRETT, B.A.  
 WILLIAM C. BLETHEN, B.A.  
 LELAND V. BOARDMAN, B.A.  
 ROBERT WALDEMAR BRUCE, B.B.A.  
 FREDERICK D. BURG  
 CHESTER BRUCE BURTON, B.S.  
 ALBERT N. CARLBLOM, B.A.  
 LYLE E. CHEEVER  
 ROBERT J. CHRISTIANSON  
 WILLIAM STEARNS CHURCHILL, B.A.  
 BAY CLAGGETT  
 JULIUS A. COLLIER II, B.A.  
 L. CRIGHTON DICKSON, B.A.  
 WILLIAM DONALDSON  
 WALLACE A. ECKLEIN

CARL EDWARD ERICKSON, B.A.  
 ARVID M. FALK, B.A.  
 ALLAN E. FINSETH, B.A.  
 MAURICE R. FRISCH  
 MORRIS MUNYA GOLDMAN  
 BEN F. GRUSSENDORF, B.A.  
 RALPH L. HELSTEIN, B.A.  
 JOHN CLIFFORD HERBERG, JR., B.A.  
 FANNY L. HESDORFFER, B.A.  
 KENNETH MILTON HOUGH  
 FRED HUGHES, B.A.  
 SIDNEY EARL KANER, B.A.  
 WILLIAM HENRY KARP, B.A.  
 KENNETH L. S. KIMBLE, B.A.  
 BURNELL S. KOOLISH, B.A.

M. ARNOLD LABOVITZ, B.A.	LOCKE MCINDOE PERKINS, JR., B.A.
ARTHUR ORLANDO LAMPLAND, B.B.A.	HENRY V. POLKINGHORN, B.A.
CHARLES E. LANTZ, JR., B.A.	CHARLES WILLIAM ROOT, B.A.
SHELDON STANLEY LARSON, B.A.	HUBERT JOHN SCHLEITER
ARTHUR RALPH LIEBERMAN	LOGAN O. SCOW, B.A.
REUBEN B. MAGNUSON, B.A., M.A.	R. PAUL SHAROOD, B.A.
ANGUS McQUEEN	LUTHER SLETTEN, B.A.
WILLIAM M. MORONEY, JR., B.A.	HENRY NORTROP SOMSEN, JR., B.A.
FRANK V. NICHOLSEN, B.A.	PHILIP J. STERN, B.A.
	SOLOMON WASSERMAN, B.S.

## GRADUATE SCHOOL

Candidates presented by Guy Stanton Ford, Ph.D., LL.D., Dean of the  
Graduate School

### MASTERS OF ARTS

EDWARD DOUGLASS ALLEN B.A. '30, Grinnell College Major, Economics Minor, Economic History Thesis, A Statistical Study of a Group of American Management Investment Trusts, 1929-1932	GEORGE PERRY BUTTERFIELD B.S. '32, University of Minnesota Major, Zoology Minor, Psychology Thesis, Cytological Differences in the Thyroids of Active and Inactive Strains of Albino Rats
RALPH JOSEPH BAKER B.A. '22, Gustavus Adolphus College Major, Educational Administration Minor, Educational Psychology Thesis, Public School Bonded In- debtedness of the Cities of St. Paul and Minneapolis	HELENE GRAY CARLSON B.A. '30, University of Minnesota Major, English Minor, Comparative Literature Thesis, The Narrative Poems of Byron and Scott
WALTER JOHN BRECKENRIDGE B.A. '26, Iowa University Major, Zoology Minor, Botany Thesis, An Ecological Study of the Marsh Hawk ( <i>Circus hudsonius</i> L.) of a Minnesota Sand Plain Community	RICHARD DU TOIT CARLSON B.A. '33, University of Minnesota Major, English Minor, Romance Languages (French) Thesis, The Fleshly School of Poetry
CARL JOHN BUCKMAN B.S. '32, University of Minnesota Major, Education Minor, Industrial Education Thesis, Teaching Methods in Me- chanical Drawing	DONALD HAROLD LABELSTEIN B.S. '31, University of Minnesota Major, Educational Psychology Minor, Educational Administration Thesis, Analysis of Musicians' In- terests



PERCY JAMES FEANY

B.S. '31, University of Minnesota  
Major, Educational Administration  
Minor, History  
Thesis, A Survey of Instructional  
Practices and Equipment in the  
Social Studies in Grades Six,  
Seven, and Eight in Certain Min-  
nesota Schools

BERNICE FRANCES FINK

B.S. '32, University of Minnesota  
Major, Educational Psychology  
Minor, Latin  
Thesis, Intercorrelation between  
Reading Readiness Scales, General  
Intelligence and Reading Tests

GERALD BARTHOLOMEW FITZGERALD

B.S. '30, University of Notre Dame  
Major, Education  
Minor, Preventive Medicine and  
Public Health  
Thesis, A Study of the Present Pre-  
Service Training Need of Men  
Teachers of Physical Education in  
Minnesota

OLIVE ROSE GARDNER

B.A. '26, University of Kentucky  
Major, Mathematics  
Minor, Botany (Biometry)  
Thesis, Some Properties of a Set of  
Orthogonal Polynomials

ERWIN ALFRED GAUMNITZ

B.B.A. '29, University of Minnesota  
Major, Economics  
Minor, Agricultural Economics  
Thesis, Family Budgets, Their Rela-  
tion to Cost of Living Index  
Numbers

SAADIA GELB

B.A. '33, University of Minnesota  
Major, Psychology  
Minor, Zoology  
Thesis, A Comparison of the Asso-  
ciation Span of Bright and Dull  
Rats

JEAN MARION GILRUTH

B.S. '32, University of Minnesota  
Major, Zoology  
Minor, Botany  
Thesis, The Histogenesis of Cardiac  
Muscle in the Chick Embryo

RUSSELL JAMES HAMMARGREN

B.S. '29, University of Minnesota  
Major, Journalism  
Minor, English  
Thesis, The Impact of Radio on the  
Newspaper; a Study of a Develop-  
ing Conflict between Two Agencies  
of Mass Impression from 1920 to  
1934

ETHELLEYN MARJORY HENDRY

B.S. '33, University of Minnesota  
Major, Botany  
Minor, Zoology  
Thesis, Ecological Anatomy of the  
Leaves of California Sand Dune  
Plants

AMALIA OPPERMAN HUMPHRIES

Ph.B. '08, Upper Iowa University  
Major, Education  
Minor, Educational Psychology  
Thesis, The Training of Foreign  
Language Teachers in Teachers  
Colleges of the United States

DOMINIC JOSEPH KELLER

B.A. '28, St. John's University  
Major, History  
Minor, Education  
Thesis, Origins of the Centre Party  
in Germany

CHESTINE BEACH KNIGHT

B.A. '32, University of Minnesota  
Major, English  
Minor, Latin  
Thesis, Walter Savage Landor as a  
Critic of Greek and Latin Literature

FRANCES KORISTA

B.A. '20, University of Minnesota  
Major, Educational Psychology  
Minor, Agricultural Biochemistry  
Thesis, Traits of High School Pupils  
Elected to Leadership

JACK ISADORE KURTZ

B.S. '17, Ohio State University  
Major, Psychology  
Minor, Physiology  
Thesis, The Reliability and Variability of the Near Point Accommodative Tests

AUBREY McEACHERN

B.A. '31, University of Minnesota  
Major, Education  
Minor, Geography  
Thesis, A Comparative Study of the  
Development of School Legislation  
in Alberta and Saskatchewan

DOROTHY BARBARA MAGNUS

B.S. '25, University of Minnesota  
Major, Education  
Minor, English  
Thesis, The Professional Education  
of Junior High School Auditorium  
Teachers—A Survey of Problems,  
Training, Traits, and Needs

JESSIE HELENA MICHAELSON

B.S. '32, University of Minnesota  
Major, Education  
Minor, Economics  
Thesis, The Relation of Preparation  
in Mathematics in Secondary  
Schools and Certain Other Factors  
to Academic Success in College

SAMUEL THOMAS NEVELN

B.A. '17, Iowa State Teachers College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A General Survey of the  
Austin, Minnesota, Public Schools

ROBERT JUDSON NIESS

B.A. '33, University of Minnesota  
Major, Romance Languages (French)  
Minor, Romance Languages (Spanish)  
Thesis, A Study of Unanimism in  
the Novels and Short Stories of  
Jules Romains

MAURICE JOSEPH NORBY

B.A. '30, St. Olaf College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, The Relative Effectiveness of  
Two Methods, Semi-Directed  
Study in Contract Form and Directed  
Study Using Specific Questions,  
in the Teaching of High  
School Biology and General Science

EZRA NATHANIEL OBERG

LL.B. '12, B.S. '25, University of  
Minnesota  
Major, Economics  
Minor, Accounting  
Thesis, A Study of Debenture Bonds

MAGNUS OLSON

B.A. '32, St. Olaf College  
Major, Zoology  
Minor, Botany  
Thesis, Eosinophil Leucocytes of the  
Mammalian Thymus

BURTON PAULU  
B.A. '31, B.S. '32, University of  
Minnesota  
Major, History  
Minor, Political Science  
Thesis, Daniel Webster and the  
Treaty of Washington of 1842

RAYMOND PEPINSKY  
B.A. '33, University of Minnesota  
Major, Physics  
Minor, Mathematics  
Thesis, X-Ray Analysis of Natural  
Organic Substances: The Struc-  
ture of Gelatin Gels

ARTHUR CLIFFORD PIKOP  
B.A. '30, St. Olaf College  
B.Th. '33, Luther Theological Semi-  
nary  
Major, Education  
Minor, Educational Psychology  
Thesis, Preliminary Step in the Deri-  
vation of a Scale for Biblical In-  
formation

EDWARD CARL PLISKE  
B.A. '32, Oberlin College  
Major, Zoology  
Minor, Anatomy (Hematology)  
Thesis, Studies on the Follicular  
Cycle of the Female Striped  
Ground Squirrel (*Spermophilus*  
*Tridecemlineatus* Mitch)

WALTER WILLIAM SEIDENKRANZ  
B.A. '29, Carleton College  
Major, English  
Minor, Romance Languages (French)  
Thesis, Evolution and Conflict in  
Donne's Religious Development

SISTER RAYMOND MCLAUGHLIN  
B.A. '22, Catholic University  
Major, English  
Minor, Comparative Literature  
Thesis, A Comparative Study of the  
Technique of Characterization in a  
Group of Nineteenth and Twen-  
tieth Century Novels

GEORGE ALBERT SKUSTAD  
B.A. '27, St. Olaf College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of School Costs in  
668 One Teacher Ungraded Ele-  
mentary Rural Schools in the State  
of Minnesota for the Year 1930-31

MINNIE CONDY SMITH  
B.A. '30, Barnard College  
Major, Education  
Minor, English  
Thesis, An Analysis of Errors in  
Placement Tests in Freshman Eng-  
lish at the University of Minnesota

CAROLYN WAITE WATERS  
B.L. '13, University of California  
Major, English  
Minor, Composition  
Thesis, The Unchanging Status of  
Women Portrayed in Representa-  
tive American Drama

LEONORE FRANCINE WILSON  
B.E. '27, Winona State Teachers  
College  
Major, Education  
Minor, Educational Psychology  
Thesis, Diagnosis in First Grade  
Reading

BERYL WATKINS YANCEY

B.S. '32, University of Minnesota  
Major, Education  
Minor, English  
Thesis, The Marking System Used  
in Classes Grouped According to  
Mental Ability, Grades Seven and  
Eight

GEM GAR YOUNG

B.S. '33, University of Illinois  
Major, Education  
Minor, Industrial Education  
Thesis, Vocational Education under  
Federal Aid

## MASTERS OF SCIENCE

ORVAL HOPE AUSE

B.S. '32, Iowa State College  
Major, Dairy Husbandry  
Minor, Agricultural Biochemistry  
Thesis, The Relation of *Oospora*  
*lactis* to the Keeping Quality of  
Butter

RUTH MAY DAVIS

B.S. '29, Iowa State College  
Major, Home Economics  
Minor, Agricultural Biochemistry  
Thesis, A Study of Press Fluid Ex-  
pressed from Muscle When Heated  
at Different Temperatures

FINN WESTELIUS BERNHART

B.S. '32, South Dakota State College  
Major, Physiological Chemistry  
Minor, Pharmacology  
Thesis, The Effects of Diathermy on  
the Blood Volume of Normal and  
Anesthetized Dogs

FRANK EDWIN EGLER

B.S. '32, University of Chicago  
Major, Botany  
Minor, Zoology  
Thesis, Communities and Success-  
ful Trends in the Vegetation of  
the Coos Bay Sand Dunes, Oregon

EDWARD ARMOND BRECHT

B.S. '33, University of Minnesota  
Major, Pharmaceutical Chemistry  
Minor, Physical Chemistry  
Thesis, A Study of the Discoloration  
of Alkaline Solutions of Salicy-  
lates

WILLARD WYNN GREEN

B.S. '33, University of Minnesota  
Major, Animal Husbandry  
Minor, Agricultural Biochemistry  
Thesis, The Time of Ovulation and  
the Rate of Sperm Travel in the  
Sheep

RICHARD E. CARLSON

B.S. in E.E. '22, University of Min-  
nesota  
Major, Physics  
Minor, Mathematics  
Thesis, A Study of the Relation be-  
tween Expansion and Cooling  
Curves and the Penetration Test of  
Cryohydrate Solutions

ROBERT ELLIS HOYT

B.S. '33, University of Washington  
Major, Bacteriology  
Minor, Pathology  
Thesis, A Study on the Effect of  
Splenic Extracts on Proteins

- FRED JACKSON JARVIS  
 B.S. '32, M.D. '32, University of Iowa  
 Major, Anatomy  
 Minor, Pathology  
 Thesis, The Effect of Inanition on the Regeneration of Severed Peripheral Nerves
- FREDA MAE LAUDON  
 B.A. '33, University of Minnesota  
 Major, Psychology  
 Minor, Educational Psychology  
 Thesis, Vocational Choice as a Motivating Factor in Scholastic Success on the College Level
- RICHARD MATHIAS LEICK  
 B.S. '34, University of Minnesota  
 Major, Physiology  
 Minor, Pathology  
 Thesis, Studies on Fatigue. The Influence of the Muscle Sense Fibers on the Fatigue of the Muscle
- WILL MARTIN MYERS  
 B.S. '32, Kansas State College (Manhattan)  
 Major, Plant Genetics  
 Minor, Plant Pathology  
 Thesis, A Study of the Inheritance of Characters in the Flax Cross, Redwing x Ottawa 770B
- FRANK EUGENE NELSON  
 B.S. '32, University of Minnesota  
 Major, Dairy Husbandry  
 Minor, Agricultural Biochemistry  
 Thesis, The Microflora of Minnesota Creamery Waters
- LEWIS EARLE NOLAN  
 B.S. '25, M.D. '27, University of Minnesota  
 Major, Pathology  
 Minor, Anatomy  
 Thesis, Variations in Histology of the Thyroid Gland
- CHIEN-LIANG PAN  
 B.S. '30, University of Nanking  
 Major, Plant Genetics  
 Minor, Agronomy  
 Thesis, Uniformity Trials with Rice
- AVIS BEYER PATTON  
 B.S. '26, University of Minnesota  
 Major, Agricultural Biochemistry  
 Minor, Bacteriology  
 Thesis, Further Studies on the Alkaline Decomposition of Cystine
- ROBERT HENRY ROSENWALD  
 B.A. '32, North Central College  
 Major, Organic Chemistry  
 Minor, Physical Chemistry  
 Thesis, A Molecular Rearrangement in the Cyclohexane Series
- DAVID N. RUDIN  
 B.A. '32, University of Minnesota  
 Major, Anatomy  
 Minor, Pathology  
 Thesis, Effect of Inanition upon the Growth of the Brain of the Albino Rat
- FU SIAO  
 B.S. '29, University of Nanking  
 Major, Plant Genetics  
 Minor, Agronomy  
 Thesis, Uniformity Trials with Cotton
- SISTER MARIA THEODOSIA LAUFER  
 B.S. '32, University of Minnesota  
 Major, Bacteriology  
 Minor, Hematology  
 Thesis, Blood Changes in Experimental Animals During Immunization with Pneumococci and Streptococci

BEN ZION WIENER

B.Ch. '33, University of Minnesota  
Major, Physical Chemistry  
Minor, Physics  
Thesis, Studies in the Raman Effect

ELSIE THERESA ZOHNER

B.S. '27, Kansas State College  
Major, Home Economics  
Minor, Agricultural Biochemistry  
Thesis, A Study of the Basal Metabolic Rate of a Group of Women in Minnesota

## MASTERS OF SCIENCE

### *In Chemical Engineering*

JULIUS RAY KATZ

B.Ch.E. '32, University of Minnesota  
Major, Chemical Engineering  
Minor, Physical Chemistry  
Thesis, Benzoylation of Cellulose

FLOYD MARVIN NELSON

B.Ch.E. '31, University of Minnesota  
Major, Chemical Engineering  
Minor, Education  
Thesis, Studies on a Packed Column

## MASTERS OF SCIENCE

### *In Electrical Engineering*

WALTER CARL BLOOMQUIST

B.E.E. '32, University of Minnesota  
Major, Electrical Engineering  
Minor, Economics  
Thesis, Allocation between Steam and Electric Costs in Large Buildings

SAMUEL LEVY

B.E.E. '33, University of Minnesota  
Major, Electrical Engineering  
Minor, Mathematics  
Thesis, Experimental and Theoretical Investigation of Electro-magnetic Shielding of Circular Coils

JOE GOLDBERG

B.E.E. '32, University of Minnesota  
Major, Electrical Engineering  
Minor, Mathematics and Mechanics  
Thesis, The Permeability of Ferromagnetic Conductors at Ultra Radio Frequencies

MILTON PERRY OLSON

B.E.E. '32, University of Minnesota  
Major, Electrical Engineering  
Minor, Mathematics  
Thesis, Theory and Design of Shading Coils for A-C Magnets

MERRILL ROYAL STILES

B.S. in EE. '29, South Dakota State College  
Major, Electrical Engineering  
Minor, Mathematics and Mechanics  
Thesis, Study of Devices for Measuring Phase Relations in the Transmission of Sinusoidal Electromotive Forces and Currents on Artificial Lines

## MASTERS OF SCIENCE

### *In Mechanical Engineering*

AXEL BERNHART ALGREN

B.S. in M.E. '25, University of Minnesota

Major, Mechanical Engineering

Minor, Physics

Thesis, A Study of Combustion Characteristics of Centrifugal and Pressure Atomizing Oil Burners

KNOX ARCHIBALD POWELL

B.S. in M.E. '20, M.E. '33, University of Minnesota

Major, Mechanical Engineering

Minor, Mathematics and Mechanics

Thesis, An Investigation of Translucent Materials Suitable for Application to Glazing, with a View to Reducing the Ratio of Heat to Visible Light in Sun Radiation

HAROLD RAYNARD ANDERSON

B.M.E. '32, University of Minnesota

Major, Mechanical Engineering

Minor, Mathematics and Mechanics

Thesis, Vibration Analysis of a Four Cylinder Automotive Engine

SAMUEL SIGURD SUNDELL

B.M.E. '33, University of Minnesota

Major, Mechanical Engineering

Minor, Metallography

Thesis, Investigation of Air Cleaners for Internal Combustion Engines

OTIS MELVIN LARSEN

B.M.E. '33 University of Minnesota

Major, Mechanical Engineering

Minor, Mathematics and Mechanics

Thesis, Harmonic Analysis of Vibration Phenomena

DONALD YOUNG

B.M.E. '29, University of Minnesota

Major, Mechanical Engineering

(Heating and Ventilation)

Minor, Mechanical Engineering

(Gas Engines)

Thesis, A Study of the Variables Which Affect the Efficiency of Air Washer Nozzles

## MEDICAL SCHOOL

Candidates presented by Elias P. Lyon, M.D., Ph.D., LL.D., Dean of the Medical School

Marshals: JULIUS WINER

HYMAN L. FRIEDEL

## BACHELORS OF MEDICINE

*†with distinction*

MOE GOLDSTEIN, B.A.

SAM I. STEIN, B.S., M.S., Ph.D.

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

## BACHELORS OF MEDICINE

GALEN HORATIO ADKINS	HAROLD J. LAWN
HERRICK JOHN ALDRICH, B.A., B.S.	GERALD O. LAXSON, Phm.C.
EDWARD M. ANDERSON	JOHN A. LAYNE
GORDON ARNOLD ANDERSON	JOHN GEORGE LOHMANN
RUSSELL L. BAKER, B.A.	EDWIN THAYER MAITLAND, B.S.
JOHN CURRER BARTON, B.S.	IRVIN LE ROY MITBY
JAMES ALEXANDER BLAKE	MANCEL TALCOTT MITCHELL, B.S.
KENNETH EBEN BRAY	AARON MODELEVSKY
REUBEN DONALD CHIER	EINER MILLARD MONSON
BERNARD ALBERT COHEN	HUGH O. MORGAN, JR.
DEAN ALBERT COLLINS, B.A., M.A., Ph.D.	R. ROUNCE MOSES, B.A.
RALPH M. DAHLQUIST, B.A.	LEO AXEL NAYKKI
ROBERT WHITE DUPRIEST, B.A., B.S.	ARTHUR ALFRED NELSON
ROBERT DYAR, B.A.	EVERETT PARMILY NELSON
GEORGE FREDERICK ELLINGER, B.A.	ROBERT STUART NELSON
ALVIN ERICKSON, B.A.	ARCHIE S. NISSEN
CLIFFORD ORVIS ERICKSON, B.A.	MALVIN JOHN NYDAHL, B.A.
JOHN EDWARD FLYNN	PIERRE JOHN NYVALL
ROSEMARY R. FREAR	JANE ELIZABETH OLTMAN, B.S.
WALLACE LAWRENCE FRITZ, B.S.	WARREN E. PARKER
PAUL J. GANS	ENGWARD LOUIS PENK, B.S.
IRVING JEFFERY GLASSBERG, B.A.	DONALD BULLEN PETERSON
A. MARGARET GRANDY	STANLEY CARL PETERSON
M. STUART GROVE, B.A.	THEODORE BROWN RASMUSSEN
VITO GUARDALABENE	JOHN BRANSON RILEY
MEREDITH CHESTER GUERNSEY, B.S., M.S.	HENRY JOSEPH ROEMER
MILES JUSTIN GULLICKSON, B.A.	CHARLES WESLEY ROGERS, B.S.
FREDERICK CLOW HADDEN, B.S.	WARD A. RULIEN, B.S.
WAYNE SIGVART HAGEN, B.A.	JOHN MARCUS RUMBALL, B.S.
HAROLD D. HARLOWE	KARL EUGENE SANDT, B.S.
DONALD McCLURE HOUSTON	JAMES GEORGE SAWYER
ELEANOR BEATRICE IVERSON, B.A.	FREDERICK LOUIS SCHADE, B.A., B.S.
DOUGLAS LIEN JACOBS, B.A.	WALTER ROBERT SCHMIDT, B.A.
HARRIET D. JAMES	JACOB A. SHEINKOPF
REYNOLD A. JENSEN	DAVID ADLER SHER
EVELYN V. JOHNSON	HERBERT LAURITZ STOLPESTAD, B.S.
HAROLD C. JOHNSON	ROBERT CHRISTIAN STRAND, B.A.
PAUL AMES JOHNSON	MAURICE L. STRAUS, B.A.
ARTHUR KAC, B.A.	ROBERT DEXTER THIELEN
LOUIS J. KATZ	MARC J. WALLACE
HERSCHEL JEROME KAUFMAN	ALVIN BEURLEN WILLIAMS, B.A.
ROLLAND ELLIS KEEFE	MERVYN M. WILLIAMS
OSCAR KOZBERG, B.A.	IRA HERMAN WILSON, B.A., B.S.
	HENRY IRVIN YAFFE, B.A.
	WILLIAM P. YUNCK



## DOCTORS OF MEDICINE\*

†with distinction

MEREDITH CHESTER GUERNSEY, B.S., M.S.      SAM IRVING STEIN, B.S., M.S., Ph.D.  
M.S.

## DOCTORS OF MEDICINE\*

JOHN ADOLPH ANDERSON, B.S., M.B.	IRVIN KERLAN, B.S., M.B.
WALLACE EVERETT ANDERSON, B.S., M.B.	FRANK R. KLUNE, B.S., M.B.
JOHN CHAPLIN BARTON, M.B.	WILLIAM ROBERT KOSTICK, B.S., M.B.
LEONARD COLEMAN BATE, M.B.	NORBERT JOHN KULZER, M.B.
HARVEY OGDEN BEEK, B.S., M.B.	LUTHER GERHARD LERAAN, B.S., M.B.
HAROLD GARNER BENJAMIN, B.S., M.B.	CARL JOHN LIND, JR., B.A., B.S., M.B.
CHARLES JOHN BETLACH, B.S., M.B.	EDWIN THAYER MAITLAND, B.S.
WILLIAM RUSSELL BLOMBERG, B.S., M.B.	LEONARD JEROME MONSON, B.A., M.B.
GEORGE BOODY, JR., B.A., M.B.	GEORGE MORIARITY, JR., M.B.
JOHN G. BOWERS, B.A., B.S., M.B.	CHARLOTTE JEAN MORRISON, B.S., M.B.
NORVEL OTTO BRINK, B.S., M.B.	RAYMOND EDWARD MULROONEY, B.S., M.B.
HELEN BROCKMAN, B.A., M.B.	JOHN LAWRENCE NOBLE, B.S., M.S.
HENRY BANNISTER CLARK II, B.S., M.B.	VERONICA O'BRIEN, B.S., M.B.
DEAN ALBERT COLLINS, B.A., M.A., Ph.D.	JOHN W. O'DONNELL, M.B.
RAUEN ARCHIBALD CURTIS, M.B.	ALTON CURTIS OLSON, B.S., M.B.
ROBERTS JUDSON DAVIES, M.B.	PETER J. PANKRATZ, M.B.
RAYMOND DARIUS DAVIS, B.S., M.B.	JOSEPH F. PETERS, B.S., M.B.
WARREN HENRY DIESSNER, B.S., M.B.	STANLEY CARL PETERSON, B.S.
DANIEL LEO DONOVAN, B.S., M.B.	JOHN BRANSON RILEY, B.S.
RALPH VICTOR ELLIS, B.A., M.A.	RALPH X. ROSSEN, M.B.
ROMAN VINCENT FAIT, B.S., M.B.	WARD A. RULIEN, B.S.
BERNARD A. FLESCHÉ, B.A., M.B.	PAUL W. SEARLES, M.B.
LESLIE WARREN FOKER, B.C.E., M.B.	ALBERT HERMAN SEERING, B.S.
LESTER SANFORD FROGNER, B.A., B.S., M.B.	MCCLELLAND SHELLMAN, B.S., M.B.
DELMAR ROBERT GILLESPIE, B.A., B.S., M.B.	LLOYD ARTHUR SMITH, M.B.
DONALD LEO GILLESPIE, B.S., M.B.	THORSTEN SMITH, B.S., M.B.
SAMUEL ASHBY GRANTHAM, JR., B.S.	CLEMENTINE HELEN SPURZEM, B.S., M.B.
RICHARD BENNETT GRAVES, B.S., M.B.	THEODORE L. STEBBINS, B.S., M.B.
WILLARD HANSON, B.A., M.B.	ARMER HAROLD STOLPESTAD, B.S., M.B.
EGIL HANSSON, M.B.	HERBERT LAURITZ STOLPESTAD, B.S.
DOUGLAS LEONARD JOHNSON, B.S., M.B.	WILLIAM ALFRED SWEDBERG, B.S., M.B.
	V. DUANE THYSELL, B.S., M.B.
	ANGVALD VICKOREN, M.B.
	MARK PHILLIP VIRNIG, B.S., M.B.
	WILLIAM JOHN WATSON, B.S., M.B.

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

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

## GRADUATE SCHOOL

Candidates presented by Guy Stanton Ford, Ph.D., LL.D., Dean of the  
Graduate School

### MASTERS OF SCIENCE

#### *In Medicine*

THOMAS JAN DRY

B.A. '23, M.A. in Anat. '25, M.B.,  
Ch.B. '29, University of Cape  
Town, South Africa

Major, Medicine

Minor, Anatomy

Thesis, Hemachromatosis: Its Rela-  
tion to the Metabolism of Iron and  
Copper

EDGAR ALPHONSO HINES, JR.

B.S. '30, Clemson Agricultural Col-  
lege

M.D. '28, Medical College of South  
Carolina

Major, Medicine

Minor, Pathology

Thesis, A Clinical Test of Vasomotor  
Irritability: Blood Pressure Re-  
ponse to Cold

MARTIN PATMOS

M.D. '28, University of Michigan

Major, Medicine

Minor, Pathology

Thesis, The Healing of Cardiac In-  
farction

### MASTER OF SCIENCE

#### *In Neurosurgery*

HAROLD CORNELIUS VORIS

B.A. '28, Hanover College

Ph.D. '29, University of Chicago

M.D. '30, Rush Medical College

Major, Neurosurgery

Minor, Neuropathology

Thesis, The Anatomic Site and Pa-  
thology of a Series of Tumors of  
the Frontal Lobes of the Brain

### MASTER OF SCIENCE

#### *In Obstetrics and Gynecology*

STEPHEN EBE MURRAY

B.S. '24, Bethany College

M.D. '28, University of Pennsylvania

Major, Obstetrics and Gynecology

Minor, Pathology

Thesis, A Study of the Bladder Post-  
partum

## MASTER OF SCIENCE

### *In Ophthalmology*

EDWARD CHARLES ALBERS

B.A. '26, Carleton College

M.D. '30, University of Pennsylvania

Major, Ophthalmology

Minor, Physiologic Optics

Thesis, Measurements of Glare, with  
Physiological and Clinical Applications

## MASTER OF SCIENCE

### *In Otology*

HOWARD ELTON CLARK

B.A. '24, Dartmouth College

M.D. '29, University of Minnesota

Major, Otology

Minor, Anatomy

Thesis, An Investigation of the Incidence of Hearing Loss in Schools for Those with Severe Visual Defects

## MASTER OF SCIENCE

### *In Pediatrics*

STEPHEN DOW MILLS

B.A. '27, Dartmouth College

M.D. '30, Columbia University

Major, Pediatrics

Minor, Pathology

Thesis, Acute Lymphatic Leukemia

## MASTERS OF SCIENCE

### *In Surgery*

DONALD CLARK COLLINS

B.A. '23, M.D. '27, University of  
California

M.S. in Path. '32, University of  
Minnesota

Major, Surgery

Minor, Pathology

Thesis, The Mechanism and Significance of Obliteration of the Vermiform Appendix

FREDERICK CHARLES HILL

B.A. '21, University of North Dakota  
M.D. '25, Columbia University

Major, Surgery

Minor, Pathology

Thesis, The Functions of the Nerves  
of the Liver

## DOCTORS OF PHILOSOPHY

### ERNEST ANGELO

B.S.A. 19, University of West Virginia  
M.S. '25, Cornell University  
Major, Horticulture  
Minor, Plant Physiology  
Thesis, Hardiness Studies of Strawberry Varieties  
Major Advisers, Profs. R. B. Harvey and W. H. Alderman

### LESLIE EARLE ARNOW

B.S. '30, University of Florida  
Major, Physiologic Chemistry  
Minor, Biophysics  
Thesis, Physico-Chemical Effects Produced by the Irradiation of Crystalline Egg Albumin Solutions with Alpha-Particles  
Major Adviser, Dr. K. W. Stenstrom

### CARROLL JOSEPH BELLIS

B.S. '30, University of Minnesota  
Major, Physiology  
Minor, Anatomy  
Thesis, The Erythrocyte and Its Relation to Plasma Proteins  
Major Adviser, Dr. F. H. Scott

### ANNE GERTRUDE BENTON

B.A. '18, Wellesley College  
M.A. '28, University of Minnesota  
Major, Bacteriology  
Minor, Agricultural Biochemistry  
Thesis, Chitinivorous Bacteria—A Preliminary Survey  
Major Adviser, Dr. A. T. Henrici

### RAYMOND VICTOR BOWERS

B.A. '27, University of Kansas  
M.A. '30, Northwestern University  
Major, Sociology  
Minor, Anthropology  
Thesis, A Genetic Study of Institutional Growth and Cultural Diffusion in Contemporary American Civilization. An Analysis in Terms of Amateur Radio  
Major Adviser, Prof. M. M. Willey

### CHARLES WESLEY BUGGS

B.A. '28, Morehouse College  
M.S. '32, University of Minnesota  
Major, Bacteriology  
Minor, Agricultural Biochemistry  
Thesis, Cataphoretic Phenomena  
Major Adviser, Dr. R. G. Green

### HERBERT EUGENE CLEFTON

B.A. '17, M.A. '18, University of Minnesota  
Major, Romance Languages (French)  
Minor, Romance Languages (Spanish)  
Thesis, The Religious Thought of Bernardin de St. Pierre  
Major Adviser, Prof. F. B. Barton

### FRANCIS EDWARD COLIEN

B.S. '28, M.S. '30, University of Minnesota  
Major, Bacteriology  
Minor, Preventive Medicine  
Thesis, A Study of Microbic Variation in Three Yellow Pigment-Producing Cocci  
Major Adviser, Dr. W. P. Larson

DONALD ROSS GRANT COWAN

B.A. '17, Queen's University  
M.A. '18, University of Toronto  
Major, Agricultural Economics  
Minor, General Economics  
Thesis, Some Economic Analyses for  
Planning the Sales Program Analysis  
of the Factors Determining  
the Territorial Distribution  
Major Adviser, Prof. O. B. Jesness

HENRY MAUZEE DAVIS

B.S. '29, M.S. '30, University of  
Oklahoma  
Major, Physical Chemistry  
Minor, Physics  
Thesis, Studies of the Raman Effect  
and Molecular Structure. The  
Acetylenic Bond  
Major Adviser, Prof. G. Glockler

CARL JOHN EIDE

B.S. '28, M.S. '29, University of  
Minnesota  
Major, Plant Pathology  
Minor, Agricultural Biochemistry  
Thesis, The Pathogenicity and Ge-  
netics of *Gibberella Saubinetii*  
(Mont.) Sacc.  
Major Adviser, Prof. E. C. Stakman

CHARLES LAWSON FAUST

B.S. Ch.E. '30, M.S. '31, Washing-  
ton University  
Major, Chemical Engineering  
Minor, Physical Chemistry  
Thesis, The Electrodeposition of  
Copper, Nickel and Zinc Alloys  
from Cyanide Solutions  
Major Adviser, Prof. G. H. Montillon

WALLACE GORDEN FETZER

E.M. in Geol. '29, University of  
Minnesota  
Major, Geology  
Minor, Physical Chemistry  
Thesis, Humic Acids and True Or-  
ganic Acids as Mineral Solvents  
Major Adviser, Prof. J. W. Gruner

GEORGE RANDALL GIBSON

B.A. '30, University of Minnesota  
Major, General Geology  
Minor, Petrology and Geography  
Thesis, The Stratigraphy and Struc-  
ture of the Snowbank Lake Area  
Major Adviser, Prof. F. F. Grout

THOR WILHELM GULLICKSON

B.S. '18, M.S. '22, University of  
Minnesota  
Major, Dairy Husbandry  
Minor, Agricultural Biochemistry  
Thesis, A Study of the Etiology of  
a Rachitic-like Syndrome Occur-  
ring in Beef and Dairy Calves  
under Farm Conditions  
Major Adviser, Prof. L. S. Palmer

BORGHILD SOLVEIG GUNSTAD

B.S. '27, M.A. '31, University of  
Minnesota  
Major, Biometry  
Minor, Mathematics  
Thesis, A Biometric Study of Physi-  
cal Characters of the New-born  
Infant and Their Relation to  
Maternal Characters  
Major Adviser, Prof. Alan E. Tre-  
loar

DARL MERIDETH HALL

B.S. '22, Iowa State College  
M.S. '32, University of Minnesota  
Major, Agronomy  
Minor, Agricultural Education  
Thesis, The Relationship between  
Certain Morphological Characters  
and Lodging in Corn  
Major Adviser, Prof. H. K. Wilson

**GRACE GORDON HOOD**

B.S. '12, M.A. '13, Columbia University

Major, Education

Minor, Home Economics

Thesis, A Study of the Content of Prerequisite Chemistry Courses in Relation to the Content of Undergraduate Courses in Home Economics

Major Advisers, Profs. H. R. Douglass and Clara M. Brown

**RUTH WINIFRED HOWARD**

B.S. '21, M.S. '28, Simmons College

Major, Child Welfare

Minor, Educational Psychology

Thesis, A Study of the Development of Triplets

Major Adviser, Prof. J. E. Anderson

**DELBERT FREDERICK JURGENSEN, JR.**

B.Ch.E. '31, M.S. in Ch.E. '32, University of Minnesota

Major, Chemical Engineering

Minor, Physical Chemistry

Thesis, Heat Transfer Coefficients on Inclined Tubes

Major Adviser, Prof. G. H. Montillon

**OLE HERMAN KRISTOFFERSON**

B.A. '30, University of Minnesota

Major, Economic Geology

Minor, Metallurgy and Micropaleontology

Thesis, Hydrothermal Experiments with Lead and Zinc Minerals

Major Adviser, Prof. J. W. Gruner

**LAXMAN GOPAL KULKARNI**

B.S.A. '28, University of Bombay, India

Major, Plant Genetics

Minor, Plant Physiology

Thesis, Correlated Inheritance with Special Reference to Disease Resistance in Spring Wheat

Major Adviser, Prof. H. K. Hayes

**AGNES THORSON LANDIS**

B.S. '23, M.S. '24, University of Minnesota

Major, Psychology

Minor, Educational Psychology

Thesis, An Investigation of Perseverance in the Pre-School Child

Major Adviser, Prof. D. G. Paterson

**CARL MARTIN LANGKAMMERER**

B.S. Ch.E. '29, University of Minnesota

Major, Organic Chemistry

Minor, Physical Chemistry

Thesis, The Mechanism of the Piria Reaction

Major Adviser, Prof. W. M. Lauer

**HELEN ADAMS LASBY**

B.A. '30, M.S. '31, University of Minnesota

Major, Agricultural Biochemistry

Minor, Organic Chemistry

Thesis, A Study of the Effect of Pasturization on the Biological Properties of Milk

Major Adviser, Prof. L. S. Palmer

**JOHN JOSEPH LAWLESS**

B.S. '31, M.S. '31, University of Minnesota

Major, Anatomy

Minor, Physiology

Thesis, Effects of Castration on Organ Weights in the Rat

Major Adviser, Dr. A. T. Rasmussen

**EDWARD ROBERT LINNER**

B.S. '24, University of Buffalo

Major, Agricultural Biochemistry

Minor, Physical Chemistry

Thesis, Adsorbability and Organic Structure

Major Adviser, Prof. R. A. Gortner

JOHN WILLIAM LISKA

B.A. '28, Ripon College  
Major, Physics  
Minor, Mathematics  
Thesis, Efficiencies of Ionization of Helium and Mercury by Electron Impact at High Voltages  
Major Adviser, Prof. J. T. Tate

VALENTINE SERGE MALITSKY

Graduate of Law Faculty, '29, Harbin, China  
M.S. '31, University of Minnesota  
Major, Agricultural Economics  
Minor, General Economics  
Thesis, Economic Effects of Recent Changes in Russian Agriculture  
Major Adviser, Prof. O. B. Jesness

MAX CASTLEBERRY MARKLEY

B.S. Ch.E. '22, Ch.E. '29, University of Kansas  
Major, Agricultural Biochemistry  
Minor, Plant Genetics  
Thesis, The Inheritance of the Carot-  
inoid Pigments in *Triticum Vul-*  
*gare* and *Triticum Durum*  
Major Adviser, Prof. C. H. Bailey

ROBERT CONNELL McMURCHY

B.S. '30, University of Manitoba  
Major, General Geology  
Minor, Petrology  
Thesis, The Crystal Structure of the Chlorite Minerals  
Major Adviser, Prof. J. W. Gruner

HILDA MARION NEATBY

B.A. '24, M.A. '28, University of Saskatchewan, Canada  
Major, History  
Minor, Political Science  
Thesis, The Administration of Justice under the Quebec Act  
Major Adviser, Prof. A. L. Burt

HUGO WALDEMAR NILSON

B.S. '24, University of Minnesota  
M.S. '28, Iowa State College  
Major, Agricultural Biochemistry  
Minor, Animal Husbandry  
Thesis, A Study of Certain Funda-  
mental Factors Involved in the  
Stimulation of Growth by the  
Pituitary Harmones  
Major Adviser, Prof. L. S. Palmer

STEPHEN PETER OGRYZLO

B.S. '30, University of Manitoba  
Major, General Geology  
Minor, Petrology  
Thesis, Hydrothermal Experiments with Gold  
Major Adviser, Prof. J. W. Gruner

RICHARD HUBBELL OLMSTED

B.A. '22, M.A. '32, University of Minnesota  
Major, Romance Languages (Spanish)  
Minor, Romance Languages (French)  
Thesis, A Critical Study of the Auto-  
graphed Manuscript of the Play  
"El Conde Don Pero Velez y Don  
Sancho el Deseado" of Luis Velas  
de Guevara  
Major Adviser, Prof. R. L. Grismer

BYRON J. OLSON

B.S. '31, M.S. '31, University of Minnesota  
Major, Bacteriology  
Minor, Anatomy (Hematology)  
Thesis, A Statistical Study of the  
Blood Picture in Atopic Conditions  
and Experimental Studies on the  
Number of Leucocytes in the  
Blood Stream and in the Tissues  
Major Adviser, Dr. W. P. Larson

JACOB RIIS OWRE

B.A. '30, Williams College  
M.A. '32, University of Minnesota  
Major, Romance Languages (Spanish)  
Minor, English  
Thesis, The Poema de Fernan Gonzalez: A Paleographic Edition of the Escorial Manuscript IV-B-21, with Notes and Etymologic Vocabulary  
Major Adviser, Prof. E. W. Olmsted

EDITH LOUISE POTTER

B.S. '23, M.D. '25, M.S. '32, University of Minnesota  
Major, Pathology  
Minor, Anatomy (Hematology) and Bacteriology  
Thesis, Hodgkins Disease with Especial Reference to Its Differentiation from Other Diseases of Lymph Nodes  
Major Adviser, Dr. E. T. Bell

MILTON EDWARD POWELL

B.S.A. '26, University of Illinois  
M.A. '30, University of Missouri  
Major, Agricultural Biochemistry  
Minor, Dairy Husbandry  
Thesis, Studies on the Effects of Heating Milk upon Its Coagulation with Rennin  
Major Adviser, Prof. L. S. Palmer

STEPHEN MARTIN RALEIGH

B.S. '27, Kansas State Agricultural College  
Major, Agronomy  
Minor, Plant Physiology  
Thesis, Environmental Factors Affecting Seed Setting in Sugar Beets  
Major Adviser, Prof. H. K. Wilson

EARL ROY SERLES

B.S. '15, M.S. '17, South Dakota State College  
Major, Pharmacology  
Minor, Physiologic Chemistry  
Thesis, Certain Phases of the Pharmacology and Toxicology of Oil of Chenopodium U.S.P.  
Major Adviser, Dr. A. D. Hirschfelder

ERIC GEORGE SHARVELLE

B.S.A. '31, McGill University  
M.S. '32, University of Alberta  
Major, Plant Pathology  
Minor, Botany  
Thesis, The Nature of Resistance of Flax to *Melampsora lini* (pers.) Lev.  
Major Adviser, Prof. E. C. Stakman

MAYNARD MOODY STEPHENS

B.A. '30, M.A. '31, University of Minnesota  
Major, Geology  
Minor, Metallurgy  
Thesis, Microscopic Effects of a Carbon Arc Beam on the Polished Surfaces of Minerals  
Major Adviser, Prof. G. M. Schwartz

HALBERT HOUSTON THORNBERRY

B.S. '25, M.S. '26, University of Kentucky  
Major, Plant Pathology  
Minor, Plant Physiology  
Thesis, Studies on the Filtration and Ultrafiltration of Tobacco-Mosaic Virus  
Major Adviser, Prof. E. C. Stakman



WILLIAM JOSEPH TOMSICEK  
B.S. '22, M.S. '27, University of  
Michigan  
Major, Analytical Chemistry  
Minor, Inorganic and Physical Chem-  
istry  
Thesis, Oxidation Reduction Potentials  
of Ferro and Molybdocyanide  
Systems  
Major Adviser, Prof. I. M. Kolthoff

STANLEY ALVIN TRENGOVE  
E.M. '28, University of Minnesota  
Major, General Geology  
Minor, Petrology and Metallography  
Thesis, The Hydrothermal Oxidation  
of Manganese Minerals  
Major Adviser, Prof. J. W. Gruner

LEON JOHN TYLER  
B.S. '27, M.S. '29, South Dakota  
State College  
Major, Plant Pathology  
Minor, Botany  
Thesis, Variability in *Sphacelotheca  
Sorghii* (Link) Clinton  
Major Adviser, Prof. E. C. Stakman

ARTHUR FREDERIC VERRALL  
B.S. '27, M.S. '28, University of  
Minnesota  
Major, Plant Pathology  
Minor, Forestry  
Thesis, Variation in *Fomes Igniarius*  
Linn. ex Gill.  
Major Adviser, Prof. E. C. Stakman

GEORGE CARROLL WALLIS  
B.S. '23, South Dakota State College  
M.S. '31, University of Minnesota  
Major, Dairy Husbandry  
Minor, Agricultural Biochemistry  
Thesis, The Relation of Vitamin D  
to Calcium and Phosphorus Reten-  
tion in Cattle as Shown by Balance  
Trials  
Major Advisers, Profs. C. H. Eckles  
and L. S. Palmer

## DOCTOR OF PHILOSOPHY

*In Dermatology and Syphilology*

CARL WARREN LAYMON  
B.S. '29, M.D. '31, M.S. '33, Univer-  
sity of Minnesota  
Major, Dermatology and Syphilology  
Minor, Pathology  
Thesis, The Tuberculoid Reaction in  
Lymph Nodes  
Major Adviser, Dr. H. E. Michelson

## DOCTOR OF PHILOSOPHY

### *In Pediatrics*

ARILD EDSTEN HANSEN

B.S. '23, M.D. '25, University of  
Minnesota

Major, Pediatrics

Minor, Agricultural Biochemistry

Thesis, The Influence of Irradiated  
Erosterol and Parathyroid Extract  
on the Mineral Metabolism in  
Osteogenesis Imperfecta

Major Adviser, Dr. I. McQuarrie

## DOCTORS OF PHILOSOPHY

### *In Surgery*

MILES TISCHER HOERNER

B.S. '26, Dartmouth College

M.D. '29, University of Cincinnati

Major, Surgery

Minor, Physiology

Thesis, The Effect of Exclusion of  
the Pancreatic Juice upon the Duo-  
denal Content: An Experimental  
Study

Major Adviser, Dr. D. C. Balfour

SAMUEL GLENN MAJOR

B.S. '23, University of Pittsburgh

M.D. '27, Harvard University

M.A. '29, M.S. Exp. Surg. '33, Uni-  
versity of Minnesota

Major, Surgery

Minor, Pathology

Thesis, Glycogenogenesis in Depan-  
creatized and in Phloridzinized  
Animals in the Diabetic State

Major Adviser, Dr. F. C. Mann

MELVILLE HUSTED MANSON

B.S. '26, M.D. '28, M.S. in Surg. '31,  
University of Minnesota

Major, Surgery

Minor, Bacteriology

Thesis, A Consideration of Some  
Factors Responsible for Gas Bacil-  
lus Infections

Major Adviser, Dr. O. H. Wangen-  
steen

DOCTOR OF PHILOSOPHY

*In Urology*

RAYMOND BERNARD ALLEN

B.S. '24, M.A. '25, M.D. '28, University of Minnesota

Major, Urology

Minor, Anatomy and Experimental Surgery

Thesis, Experiments on the Physiology and Cause of Compensatory Renal Hypertrophy

Major Adviser, Dr. W. F. Braasch

# HONORS AND PRIZES

## HONORS

### SIGMA XI

ERNEST ANGELO  
L. EARLE ARNOW  
FINN BERNHART  
RUSSELL C. BRINKER  
SCHUYLER BROWN  
MURRAY FIFE BUELL  
GEORGE P. BUTTERFIELD  
ARTHUR ROSSON CADE  
ANGUS E. CAMERON  
RICHARD T. CLARK  
FRANCIS E. COLIEN  
RAYMOND W. CUNNINGHAM  
RUSSELL O. DENYES  
CARL E. DUTTON  
FRANK E. EGLER  
REUEL FENSTERMACHER  
ROSLYN URSULA GIRAUD  
GEORGE R. GIBSON  
JEAN MARION GILRUTH  
WILLIS ALWAY GORTNER  
T. W. GULLICKSON  
LUCILE R. HAC  
D. M. HALL  
GEORGE HAMA  
ARILD E. HANSEN  
ARTHUR E. HUTCHINS  
FRED J. JARVIS  
DONALD W. JOHNSON  
DELBERT F. JURGENSEN, JR.  
O. H. KRISTOFFERSON  
LAXMAN G. KULKARNI  
CARL M. LANGKAMMERER  
CARL W. LAYMON  
RICHARD M. LEICK  
EDWARD ROBERT LINNER  
JOHN W. LISKA  
CHI-YING LIU  
WILLIAM M. MACNEVIN

MAX C. MARKLEY  
FRANCIS W. MARTIN  
DONALD R. MATHIESON  
ROBERT MARTIN McADAM  
R. C. McMURCHY  
CHARLES LOUIS MEYETTE  
CHARLES E. MORRELL  
LAURENCE S. MOYER  
FLOYD M. NELSON  
HERLUF P. NIELSEN  
ALFRED O. C. NIER  
HUGO WALDEMAR NILSON  
S. P. OGRYZLO  
MAGNUS OLSON  
T. ARTHUR PEARSON  
RAYMOND PEPINSKY  
RUDOLPH F. PETERSON  
EDWARD C. PLISKE  
KNOX A. POWELL  
MILTON EDWARD POWELL  
STEPHEN M. RALEIGH  
JOHN G. ROCKWELL  
HARRY B. ROE  
DAVID RUDIN  
G. A. RUSSELL  
ERIC GEORGE SHARVELLE  
DAVID CLYDE SMITH  
ERNEST V. STAKER  
CHESTER A. SWINYARD  
WILLIS A. THOMPSON  
WILLIAM J. TOMSICEK  
LEON JOHN TYLER  
JOHN R. VINCENT  
G. CARROLL WALLIS  
HUGH B. WILCOX  
STANLEY W. WILCOX  
MARIAN A. WILDER  
ARTHUR A. ZIEROLD

ELSIE THERESA ZOHNER

SIGMA XI (Mayo Foundation Chapter)

G. T. CHURCH  
T. J. DRY  
CESARE GIANTURCO  
HOWARD K. GRAY  
M. TISCHER HOERNER  
L. G. MONTGOMERY

LEE POLLACK  
EDWARD C. STAFNE  
WALTER STUCK  
RALPH M. TOVELL  
J. R. WATSON  
P. P. T. WU

SCHOLARSHIPS

THE P.E.O. SCHOLARSHIP

LUCIE LAWSON

WOMEN'S SELF GOVERNMENT ASSOCIATION  
SCHOLARSHIPS

LELAH BALL  
PHYLLIS BARNARD  
DORIS BLOMQUIST  
ELEANOR CHALGREN  
MARGARET DAY  
FLORENCE DIECKHOFF

VIOLA FRANKLIN  
RUTH GRUVER  
ELIZABETH LOHREN  
NORMA MOE  
RIGMOR OSTERGAARD

APPRECIATION DAY BAND SCHOLARSHIP

NICK BERKLACICH  
ROLAND BINA  
HUGO L. COHEN

JOHN PAULSON  
PAUL RUNNESTRAND  
CARLTON STENDERSON

HORTON ART SCHOLARSHIP

EDWARD LOFSTROM

CAPTAIN DE WITT JENNINGS PAYNE MEMORIAL  
SCHOLARSHIPS

FLORENCE BILLING

CLARENCE PETERSON  
BETTY STOCKS

MOSES MARSTON SCHOLARSHIP IN ENGLISH

BETTY BARTHOLOMEW

AGRICULTURAL FACULTY WOMEN'S CLUB  
SCHOLARSHIPS

JENNIE H. HAUTALA

DOROTHY I. PEDERSEN  
MARGARET C. OPP

HENRY WEBB BREWSTER SCHOLARSHIPS

EDITH M. CHRISTENSEN

WALTER W. GRAHAM

MARY L. BULL SCHOLARSHIP FUND

HELEN DAE HOPPER

THE COLLEGE WOMEN'S CLUB FELLOWSHIP

KATHLEEN BERRY McCONNON

HOME ECONOMICS ASSOCIATION SCHOLARSHIP

EUNICE M. BERSET

MINNESOTA HOME ECONOMICS ASSOCIATION  
FRESHMAN SCHOLARSHIP

RUTH V. ARNESON

MU PHI EPSILON SCHOLARSHIP

GWENDOLYN SHEPLEY

PHI UPSILON OMICRON SCHOLARSHIP IN  
HOME ECONOMICS

GLADYS RIPCZINSKI

CLOQUET WOOD PRODUCTS FELLOWSHIP

S. I. ARONOVSKY

AMERICAN CREOSOTING COMPANY RESEARCH  
FELLOWSHIP

STANLEY BUCKMAN

AMERICAN DRY MILK FELLOWSHIP

OSCAR SKOVHOLT

**PRIZES**

A. D. WILSON PRIZES

*First prize*

ENOCH B. NORUM

*Second prize*

C. RAYMOND HUGLUND

CENTRAL COOPERATIVE ASSOCIATION MEDALS

RALPH COMSTOCK

EBENHARD GANDRUD

RAYMOND OSTLIE

TOMHAVE MEDAL

KENNETH HANKS

DEAN E. M. FREEMAN MEDAL FOR STUDENT  
LEADERSHIP

RUTH L. CAMPBELL

THOMAS F. ANDREWS UNDERGRADUATE RESEARCH  
PRIZES

SCHUYLER BROWN

WILLIS ALWAY GORTNER

G. A. RUSSELL

LUDDEN REAL ESTATE PRIZES

*First prize*

DONALD T. McCALL

*Second prize*

HARTLEN B. KOLB

*Third prize*

ROSEMARY M. ROWE

DELTA SIGMA RHO PRIZES

*First prize*

JEROME KAUFMAN

*Second prize*

LUCIE LAWSON

## DEGREES CONFERRED JULY 29, 1933

### COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

#### BACHELORS OF ARTS

*summa cum laude*

DOROTHY EDITH PARRISH

*Magna cum laude*

JOHN LOUIS GLIEVE

#### BACHELORS OF ARTS

HAROLD DONALD ARNESON

ROBERT LEIGHTON II

MILTON ALLYN GALLUP, JR.

STELLA SERENA MATHEWS

PHILIP EMANUEL HAMMARGREN

MARIAN JEANETTE ORR

HELEN LUCRETIA JONES

ORVILLE FRANCIS QUACKENBUSH

#### BACHELORS OF SCIENCE

DELPHINE CLARRISA BROOKS

ADELINE ULANOVE

VIVIAN A. STEFFLE

CHARLOTTE JUNE WHITTEMORE

BARBARA LOUISE TYLER, B.A.

M. LUCINDA ZIMMERMAN

### COLLEGE OF ENGINEERING AND ARCHITECTURE

#### BACHELORS OF AERONAUTICAL ENGINEERING

STANLEY ADOLPH BERGSTROM

DELBERT SEVERANCE

WILLIAM RICHARDSON ECKHOFF

CHARLES HOWARD SWANSON

JOHN WARREN KIMMEY

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DONALD H. CHILDS

JAMES MERRITT NELSON

HERSHEL ENGLER

RAYMOND OSCAR NORTON

#### BACHELOR OF ELECTRICAL ENGINEERING

MATTHEW P. CUNNINGHAM



COLLEGE OF AGRICULTURE, FORESTRY, AND  
HOME ECONOMICS

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*(Course in Agricultural Science)*

WESLEY RICHARD STELLER

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

BACHELOR OF SCIENCE

*with distinction.*

*(Course in Home Economics)*

AGNES CHARLOTTE QUAMME

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

BACHELOR OF BUSINESS ADMINISTRATION

*In Agriculture*

JULIAN CLARENCE JOHNSON

SCHOOL OF MINES AND METALLURGY

METALLURGICAL ENGINEER

HARRY HELTZER

COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

*with high distinction*

ETHEL WHITING WOOD

## BACHELORS OF SCIENCE

*with distinction*

ADDIE ESTHER BLAKELEY  
MARION ELIZABETH BOGGS  
MAURICE FREDERICK CARR, B.S.  
CLARA B. FELIEN  
ORA HOY  
EDNA MESSER JENKS  
HARRIET KINNE

BESS JUNE KNOX  
ROSE SYLVIA KRAKAUER  
WALTER STANLEY LARSON  
ALICE WILHELMINA MAGNUSSON  
MARY EVELYNE O'NEILL  
SISTER FRANCIS XAVIER CARROLL  
FLORENCE STUART WEBB

## BACHELORS OF SCIENCE

LOUISE H. ANDERSON  
FRANCES HELENA BOTSFORD  
LAURA GLEE BURROWS  
HELEN LOUISE BUSCH  
NORA MARY CASEY  
CATHERINE CHIMZAR  
LILLIAN B. CLAWSON  
LAURA ABBY COLE  
RAYMOND ANDREW DAHLGREN  
HELEN GERTRUDE DARGAY, G.N.  
REGINA MARIE DROLET  
CLARA M. FELDE  
MARY LOUISE FIELD  
MATHILDA L. GANTZER  
MAYNARD R. GRAHAM  
FLORENCE JEAN HALVORSON  
META HANSEN  
HELEN GERALDINE HARRISON  
WALTER LOUIS HASS

HAZEL IOLE HEGLAND  
JANE MARY HUGHES  
RUBY D. HUNTER  
IDA MARIE KJELSTAD  
DARROEL O. KNOERR  
NICHOLAS E. LAHTI  
MARGARET A. LEARY  
HERBERT CHARLES LEVENICK  
VIRGIL FREDERIC LICHT  
BERTHA ALMA LYONS  
JOHN WILLIAM MLINAR  
ISABELLE E. NORLANDER  
PAUL KENNETH ROSENBERG  
WILLIAM JOHN SCHROEDER  
HELEN MARIE SULLIVAN  
AUGUSTA M. THOMAS  
REYNOLD BENNETT WESTERBERG  
NATHAN WALKER WRIGHT, B.S.

## SCHOOL OF BUSINESS ADMINISTRATION

### BACHELORS OF BUSINESS ADMINISTRATION

BYRON SHELLEY ANDERSON  
GLENN H. BETHEL  
ALDEN GODFREY FREDIN  
FREDRIC W. HOLM

WILLIAM ALFRED CLAYTON MATHIAS  
DOUGLAS ALLEN MCGREGOR  
CHARLES WALTER NYQUIST  
SAMUEL SHAPIRO

## UNIVERSITY COLLEGE

### BACHELORS OF ARTS

PAULINE JANE KANTROWITZ

PAULINE SHOLLEY

## SCHOOL OF DENTISTRY

### DOCTORS OF DENTAL SURGERY

WALTER KENNETH BORGENDALE  
DOUGLAS GORDON GANFIELD  
SOLOMON SAM KANUN

MAX DOUGLAS LANGER  
ERIC GEORGE FREDERICK POLLARD  
MILO C. WALLIN

## GRADUATE SCHOOL

### MASTERS OF ARTS

EARL ARTHUR ABRAHAMSON  
B.A. '21, St. Olaf College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A General Survey of the  
School System in Renville County,  
North Dakota

MARY JOSEPHINE CULHANE  
B.A. '32, University of Minnesota  
Major, English  
Minor, Romance Languages (French)  
Thesis, The Influence of Milton on  
Wordworth's Sonnets and *The  
Excursion*

RUDOLPH DONALD ANFINSON  
B.E. '32, St. Cloud Teachers College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Teaching Personnel of Min-  
nesota Class C Elementary Schools

VERA HANAWALT FROHLICHER  
B.A. '25, Whittier College  
Major, Speech  
Minor, Psychology  
Thesis, Herbert Clark Hoover: An  
Interpretation of Persuasion as a  
Study in the Verbalization of an  
Unconscious Dualism of Habits

ALICE VICTORIA BJORKING  
B.S. '26, University of Minnesota  
Major, Political Science  
Minor, History  
Thesis, Development of Congres-  
sional Power to Regulate Food  
and Drugs

FLOYD OLIVER GILBERT  
B.A. '26, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Survey of Statewide Test-  
ing Programs in High School Sub-  
jects

WARREN PARKER CLARK  
Ph.B. '26, University of Wisconsin  
Major, Education  
Minor, Physics  
Thesis, An Application of the Beta  
Hypothesis to the Teaching of  
High School Physics

REEDE GRAY  
B.A. '25, Carleton College  
Major, Education  
Minor, Educational Psychology  
Thesis, The Preparation of Chemis-  
try Teachers in Selected Univer-  
sities, Liberal Arts Colleges, and  
Junior Colleges

ISAAC LABE HOFFMAN

B.A. '29, University of Michigan  
Major, Sociology  
Minor, Anthropology  
Thesis, A Preliminary Analysis of  
Ogburn's Theory of Cultural De-  
terminism in the Light of the His-  
tory of a Specific Non-Material  
Culture Complex—Hallowe'en

CHARLES WALTER HUNZIKER

B.S. '29, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Comparison of the Relative  
Effectiveness of a Plan of Super-  
vised Study and Daily Recitation  
Method in the Teaching of Alge-  
bra and Geometry

MERRILL EARL JARCHOW

B.A. '30, University of Minnesota  
Major, History  
Minor, Sociology  
Thesis, The Social and Cultural  
Aspects of the Methodist Church  
in Pioneer Minnesota

EDWARD WILLIAM JOHNSON

B.A. '31, University of Minnesota  
Major, Geology  
Minor, Economics  
Thesis, The Geology of the Region  
about Faribault, Minnesota

HARVEY ELTON MARQUETTE

B.S. '26, South Dakota State College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Public School Transporta-  
tion in South Dakota

THOMAS PATRICK MINEHAN

B.A. '24, University of Minnesota  
Major, Sociology  
Minor, Psychology  
Thesis, A Study of the Attitudes of  
Transient Men and Boys in St.  
Paul, Minnesota

DEE C. MITCHELL

B.S. in C.E. '10, University of  
Nebraska  
Major, Educational Administration  
Minor, Preventive Medicine  
Thesis, A Survey of Health Instruc-  
tion in Senior High Schools

EDWIN CLARK REICHERT

B.A. '32, University of Wisconsin  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, The Effect of High School  
Economics upon Success in Junior  
College Economics

JAMES ARLOWE SHELDON

B.A. '26, St. Olaf College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of the Present  
Status of Student Government in  
the High Schools of Iowa

SARAH STONE

B.A. '31, University of Minnesota  
Major, Sociology  
Minor, Psychology  
Thesis, A Comparative Study of the  
Religious Attitudes of Parents and  
Their Children

ALPHA CORINE TWETLEY

B.A. '32, University of Minnesota  
Major, English  
Minor, Romance Languages (French)  
Thesis, Boccaccio's *Pandaro* and  
Chaucer's *Pandarus*: A Compara-  
tive Study

ELIZABETH OLMSTED WARNER  
B.A. '32, Mt. Holyoke College  
Major, Zoology  
Minor, Anatomy  
Thesis, Studies on the Two Tape-  
worms of the Rat, *Hymenolepis*  
*Nana* and *Hymenolepis Diminuta*

WALTER SAMUEL WILDE  
B.A. '31, Miami University  
Major, Zoology  
Minor, Biometry  
Thesis, An Experimental Study of  
the Chemical Senses of the Com-  
mon Garter Snake *Thamnophis*  
*sirtalis sirtalis* (Linné)

## MASTERS OF SCIENCE

JOSEPH HAYES PADEN  
B.S. '32, University of Illinois  
Major, Organic Chemistry  
Minor, Physical Chemistry  
Thesis, Reaction of Polymethylben-  
zenes with Diazonium Compounds

LOIS SELLERS  
B.S. '29 University of Manitoba  
Major, Biochemistry  
Minor, Physiological Chemistry  
Thesis, Properties of the Proteins  
Resulting from the Thermal Frac-  
tionation of Glutenin

ELISABETH SMITH  
B.S. '29, University of Minnesota  
Major, Home Economics  
Minor, Education  
Thesis, A Study of Factors Affecting  
Fluid Expressed from Muscle Tis-  
sue Heated under Different Con-  
ditions

## MASTER OF SCIENCE

*In Dermatology and Syphilology*

WALTER CHARLES POPP  
M.D. '29, University of Pittsburgh  
Major, Dermatology and Syphilology  
Minor, Biophysics  
Thesis, Reaction of Skin to Grenz  
Rays

## MASTER OF SCIENCE

### *In Pathology*

HAROLD CLIVE THORNTON  
M.D. '26, Emory University  
Major, Pathology  
Minor, Bacteriology  
Thesis, A Study of the Breast in  
Involution and in Pathological  
Conditions (with Special Refer-  
ence to the Occurrence of Abnor-  
mal Epithelial Proliferation and  
"Pale" Epithelium)

## MASTERS OF SCIENCE

### *In Orthopedic Surgery*

GEORGE HAROLD RYAN  
M.D. '29, University of Manitoba  
Major, Orthopedic Surgery  
Minor, Pathology  
Thesis, Endothelial Myeloma

WALTER GOODLOE STUCK  
B.S. '26, Emory University  
M.D. '29, Washington University  
Major, Orthopedic Surgery  
Minor, Pathology  
Thesis, The Effect of Insulin on the  
Healing of Experimental Frac-  
tures in the Rabbit

## MASTERS OF SCIENCE

### *In Surgery*

ADOLPH ASHER APPELL  
M.D. '29, University of Toronto  
Major, Surgery  
Minor, Pathology  
Thesis, The Effect of Jejunal Feed-  
ing on Gastric Acidity

RICHARD JACQUES BENNETT, JR.  
M.D. '27, Temple University  
Major, Surgery  
Minor, Pathology  
Thesis, An Experimental Study of  
Wound Healing after Pancreatec-  
tomy. I. Fibrous Healing

EMMET LANE RIXFORD, JR.  
B.A. '26, M.D. '30, Stanford Uni-  
versity  
Major, Surgery  
Minor, Pathology  
Thesis, Aleuronat Peritonitis: An  
Experimental Study of Peritoneal  
and Vascular Reactions

## MASTER OF SCIENCE

### *In Urology*

JAMES HOWARD SHANE

B.A. '23, University of Texas

M.D. '27, Harvard University

Major, Surgery

Minor, Pathology

Thesis, Chronic Unilateral Pylone-  
phritis

## DOCTORS OF PHILOSOPHY

ALVIN WALTER JOHNSON

B.A. '20, M.A. '23, University of  
Michigan

Major, Political Science

Minor, History

Thesis, The Present Status of Church  
and State as Related to the Public  
School of the United States

Major Adviser, Prof. O. P. Field

MARIAN AUGUSTA WILDER

B.A. '27, M.A. '30, University of  
Minnesota

Major, Mathematics

Minor, Biometry

Thesis, Some Problems in Closest  
Approximation over a Discrete  
Set of Points

Major Adviser, Prof. Dunham Jack-  
son

ROGER VERNON SHUMATE

B.A. '28, M.A. '29, University of  
California

Major, Political Science

Minor, History

Thesis, The Reaction Against Re-  
presentative Government in the  
United States

Major Adviser, Prof. Wm. Anderson

JOHN BAPTIST WOLF

B.A. '29, M.A. '30, University of  
Colorado

Major, History

Minor, Political Science

Thesis, The Diplomatic History of  
the Bagdad Railroad

Major Adviser, Prof. L. D. Steefel

DEGREES CONFERRED SEPTEMBER 2, 1933

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

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*cum laude*

ALICE HELEN JOHNSON  
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MARSHMAN S. WATTSON

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BEN ARLEIGH MILLER  
JAMES FRANCIS RYDER

SHIRLEY RUTH STEARNS  
MARY ELIZABETH WATERBURY

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ELIZABETH MYRA HUEY



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RODNEY E. SAHLSTROM

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JAMES VINCENT A. COLOSIMO	LOYD ALLEN PETERSON
MARY LORRAINE COSTELLO	CHECKLA VICTORIA PIERSON
ANNA V. DONAHUE	ROBERT PHILIP REIHSEN
FLORA AMELIA GOARD	MINNIE SHERLOCK
HAZEL MILDRED GOARD	WALMA ANNICE SIPOLA
OLIVE E. GRIEBENOW, B.A.	MITCHELL STEVEN SMILANICH
FRANK HOWARD GURLEY	MARIE STARKS
LOUISE ALICE HANSON	JAMES WILLIAM WAKELY
PETER WALTER HAUTALA	GLADYS MAE WILLCUTT
ALTON DAVID HILL	JOSEPHINE ANN WILLIAMS
LYNFORD C. LARES	

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WALTER WINFRED JOUNGQUIST                      VERNON STANTON OKERLUND

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**RUSSELL B. HOWE**  
**FREDRIC A. B. MILLER**

**JAMES F. QUILLING**

**GRADUATE SCHOOL**  
**MASTERS OF ARTS**

**AXEL CARL MAURITZ AHLEN**

B.A. '32, University of Minnesota  
Major, Philosophy.  
Minor, Sociology  
Thesis, The Problem of Evil in the  
Platonic Tradition and in Christi-  
anity

**RUTHVEN CHRISTIAN ANDERSEN**

B.A. '26, State Teachers College  
(Wayne, Nebraska)  
Major, Political Science  
Minor, History  
Thesis, The Licensing of the Healing  
Professions in the State of Ne-  
braska

**PAUL LLOYD ANDERSON**

B.A. '24, University of Montana  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, The Status of the Teaching  
Personnel in the Larger Element-  
ary Schools of Minnesota

**RUDOLPH DONALD ANFINSON**

B.E. '32, St. Cloud State Teachers  
College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Teaching Personnel in the  
Larger Elementary Schools of  
Minnesota

**GRACE ORR ARMSTRONG**

B.S. '28, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of Representative  
Courses for the Professional Edu-  
cation of Elementary Teachers in  
Certain Selected Universities, Lib-  
eral Arts Colleges, and Junior Col-  
leges

**CLARENCE HUDSON CHRISTOPHERSON**

B.S. '27, University of Minnesota  
Major, Education  
Minor, Industrial Education  
Thesis, State Courses in the Indus-  
trial Arts: An Analytical Survey  
of Policies and Instruments for  
Promotion and Supervision

**AGNES ELIZABETH ELLINGSEN**

B.S. '24, University of Minnesota  
Major, History  
Minor, Political Science  
Thesis, A History of the Temper-  
ance Movement in Minnesota to  
1865

**WILLIAM T. GRUHN**

B.S. '26, Northern Normal and In-  
dustrial School  
Major, Educational Administration  
Minor, Economics  
Thesis, The Administration of Club  
Activities in the Junior High  
School

ARTHUR C. P. HAYS  
B.A. '17, Thiel College  
Major, Greek  
Minor, Latin

Thesis, A Comparative Study of the Religious Viewpoints of the Greek Tragic Poets, Aeschylus, Sophocles, and Euripides

ALBERT FLOYD HOPKINS, JR.  
B.E.E. '31, University of Minnesota  
Major, Physics  
Minor, Mathematics  
Thesis, A Determination of the Thermionic Work Function of Tungsten

CARL M. HULBERT  
B.S. '29, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of the Administration and Organization of Commencement Activities in High Schools of Wisconsin

HERMAN KEHRLI  
B.A. '23, Reed College  
Major, Political Science  
Minor, Economics  
Thesis, Relations between State and Local Governmental Units in the Administration of Health and Welfare Activities in Minnesota

CLIFFORD KITTELSON  
B.A. '32, Luther College  
Major, Educational Administration  
Minor, Education  
Thesis, The Effects of the Study of Latin upon English Vocabulary, Spelling, and Grammar

WILLIAM PATRICK LAUGHLIN  
B.B.A. '29, University of Minnesota  
Major, Education  
Minor, Educational Psychology  
Thesis, An Analysis of Errors in the 1932 Minnesota State Board Examination in High School American History

GEORGE HENSLEY POTTER  
B.A. '17, Upper Iowa University  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Special School Districts in the State of Minnesota

MARTIN QUANBECK  
B.A. '29, Augsburg College  
Major, Educational Administration  
Minor, English  
Thesis, Certain Aspects of the Teaching Load in Minnesota High Schools in 1931-32

LEONORA WILHELMINA RUDOW  
Ph.B. '27, University of Wisconsin  
Major, Education  
Minor, Educational Administration  
Thesis, The Professional Training Needs of Minnesota Rural Teachers in Terms of Their Problems as Teachers

ORA WARREN RUSH  
B.A. '22, University of Michigan  
Major, Political Science  
Minor, Law  
Thesis, The Licensing of the Healing Arts in the State of Minnesota

JOEL BUSH SPAHR  
B.S. '21, Milligan College  
Major, Educational Psychology  
Minor, Educational Administration  
Thesis, A Study of the Relation of Personality and School Achievement

HERMAN HAROLD VOX  
B.A. '32, Hamline University  
Major, German  
Minor, History  
Thesis, A Study of Bürger's Ballads  
with Special Emphasis on the In-  
fluence of Percy's *Reliques*

## MASTERS OF SCIENCE

MARY FRANCES BALDELLI  
B.S. '31, University of Minnesota  
Major, Home Economics  
Minor, Education  
Thesis, A Study of the Expression  
of Press Fluid from Heated Muscle  
Tissue

CHESTER LEROY BERGGREN  
B.S. '29, University of Minnesota  
Majors, Agricultural Engineering and  
Dairy Husbandry  
Minor, Farm Management  
Thesis, The Effectiveness of Methods  
and Equipment Used in the Re-  
frigeration of Milk

ARTHUR EMANUEL ENGBRETSON  
B.S. '16, University of Minnesota  
Major, Animal Husbandry  
Minor, Agricultural Economics  
Thesis, The Comparative Value of  
Dried Buttermilk and Tankage as  
Protein Supplemental Feeds for  
Growing Pigs

WILLIAM HENRY GRANT  
B.A. '26, Fisk University  
M.D. '30, Meharry Medical College  
Major, Medicine  
Minor, Bacteriology  
Thesis, Studies of Kidney Function  
During Hyperthermia with Special  
Reference to Creatinine Clearance

RUTH WADDINGTON HARRISON  
B.S. '30, University of Minnesota  
Major, Bacteriology  
Minor, Physiological Chemistry  
Thesis, Studies on the Rôle of Al-  
lergy in Actinomycosis

JOSEPH EDWARDS KNAIN  
B.A. '15, University of North Dakota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Character Education Out-  
comes of School Activities

DOROTHY MAY MACLARY  
B.S. '28, Kansas State Teachers Col-  
lege (Pittsburg, Kansas)  
Major, Education  
Minor, Home Economics  
Thesis, A Study of Curricula in  
Thirty-two Representative Institu-  
tions to Determine Typical Courses,  
Curricular Practices, and Methods  
of Teaching in the Education of  
Home Economics Teachers

CLARENCE EBENHARD OLSON  
B.S. '31, University of Minnesota  
Major, Forestry  
Minor, Biometry  
Thesis, Trends in the Use of Wood  
and Wood Substitutes for Dwell-  
ing Construction in Minneapolis  
and St. Paul

AGNES ROBINSON

B.S. '30, Oregon State College  
Major, Home Economics  
Minor, Biochemistry  
Thesis, A Study of Bound Water  
and Press Water in Muscle

HARRY CHESTER TRELOGAN

B.S.Agr. '31, West Virginia University  
Major, Dairy Husbandry  
Minor, Biochemistry  
Thesis, The Sampling and Testing of  
Frozen Cream

LEO ZON

B.S. '29, M.D. '31, University of  
Minnesota  
Major, Pathology  
Minor, Physiology  
Thesis, The Elasticity of the Aorta

## MASTER OF SCIENCE

### *In Aeronautical Engineering*

LAWRENCE ADRIAN CLOUSING

B.E.E. '28, B.Aero.E. '32, University of Minnesota  
Major, Aeronautical Engineering  
Minor, Mechanical Engineering  
Thesis, Investigation and Determination of the Most Suitable Light Amphibian Private Airplane from Structural, Aerodynamical and Commercial Standpoints

## MASTER OF SCIENCE

### *In Architecture*

DUDLEY CHAMBERLAIN BAYLISS

B.Arch. '29, University of Minnesota  
Major, Architecture (Design)  
Minor, Architecture (Construction)  
Thesis, A Public Library for the City of Minneapolis

## MEDICAL SCHOOL

### DOCTOR OF MEDICINE

DEAN HOWARD AFFLECK, B. of Arch., M.B.

## GRADUATE SCHOOL

### MASTERS OF SCIENCE IN SURGERY

#### OSMER SAMUEL RANDALL

B.A. '23, University of Missouri  
M.D. '27, Johns Hopkins University  
Major, Surgery  
Minor, Pathology  
Thesis, Actinomycosis: Its Pathology,  
Laboratory Diagnosis, and Treat-  
ment

#### JAMES ROSE WATSON

B.A. '25, Haverford College  
M.D. '29, Harvard University  
Major, Surgery  
Minor, Pathology  
Thesis, The Effect of Experimental  
Fundusectomy on the Acidity of  
the Gastric and Duodenal Contents  
of the Dog

### DOCTORS OF PHILOSOPHY

#### ROBERT HOUSTON HAMILTON, JR.

B.A. '26, M.A. '27, University of  
Texas  
Major, Physiologic Chemistry  
Minor, Physiology  
Thesis, Some Studies on Carbo-  
hydrate Metabolism  
Major Adviser, Prof. J. F. McClendon

#### MARK MARIAM KEITH

B.S. '27, M.S. '28, University of Idaho  
Major, Zoology  
Minors, Bacteriology and Pathology  
Thesis, Cytological Studies of Cellu-  
lar Activities in the Ontogeny of  
the Chick  
Major Adviser, Prof. J. E. Wodse-  
dalek

#### DONALD WAYNE JOHNSON

B.S. '28, Iowa State College  
M.S. '29, University of Minnesota  
Major, Animal Husbandry  
Minor, Biochemistry  
Thesis, A Study of the Nutritive  
Deficiencies of the Rye Grain  
Major Advisers, Profs. E. F. Ferrin  
and L. S. Palmer

#### HAROLD SIBLEY WILLARD

B.S. '17, University of Minnesota  
M.S. '27, Iowa State College  
Major, Dairy Husbandry  
Minor, Biochemistry  
Thesis, Factors Influencing the Pala-  
tability of Hay  
Major Adviser, Prof. W. E. Petersen

DEGREES CONFERRED DECEMBER 21, 1933

SCHOOL OF DENTISTRY  
GRADUATE DENTAL HYGIENIST

FRANCES MARIE KEEGAN

MEDICAL SCHOOL  
GRADUATES IN NURSING

LOUISE A. BACHMAN  
VERNA A. EDDY  
RUTH H. KRACTORP

MAURINE RICHARD  
VELMA K. SAARI  
DORA EMILIE SORENSON  
MYRTLE TOKLE

COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

BACHELORS OF ARTS

*magna cum laude*

HAZEL VIOLET DUNLAP

GLADYS LEONA WATSON

BACHELORS OF ARTS

*cum laude*

JANET ANNE MACOUBREY  
DONALD MILES NELSON

MILDRED SEEGER  
LA RUE SPIKER  
PHYLLIS ASENATH TURRITTIN

BACHELOR OF SCIENCE

*cum laude*

FERN MARIE FISK

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ELMER SULO LINDFORS  
GOLDIE LONDON LITMAN  
HARRIET LYNCH  
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MARION LOUISE MCCONNON

MILDRED MARIE MURPHY  
RICHARD C. PETERSEN  
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RONIE ALVINE SIMONSON  
HELEN ELIZABETH THOMAS  
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CHARLES WILSON VANDERSLUIJ  
ELINOR ISABELLE WATSON  
S. DAVID ZEFF

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TRUDIE WATFORD KING  
JUDITH BATSON MULALLY  
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## COLLEGE OF ENGINEERING AND ARCHITECTURE AND SCHOOL OF CHEMISTRY

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JOHN DANIEL BRUECKNER  
JACK R. WESTFALL

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BURT ST. VINCENT  
JOSEPH R. SCHOENIG, JR.



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WEAVER D. CONNELLY

GEORGE L. BURCH

JOHN THEODORE HUCHTHAUSEN

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HELEN MCBROOM

## BACHELORS OF CHEMISTRY

ELI CROFT GEAR

JOHN RICHARD VINCENT

ARNE NORMAN WICK

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KERMIT A. OLSON

FRANCIS THOMAS BRADY

RICHARD W. OLSON

CLARENCE DELL CAPARON

FRED HYDE OSTER

ELWOOD REYLAND EDLING

BERTRAM N. PURVES

CLIFFORD CARL KLAPOTZ

FREDERICK ROBERT RASMUSSEN

*(Course in Agricultural Science)*

GORDON CRAWFORD REID

*(Course in Forestry)*

GEORGE FORUS

EDWARD SORNE IVERSEN

RUSSELL A. YOUNGGREN

*(Course in Home Economics)*

LENORE LILLIAN BERLIN

MARGARET MARY MURPHY

EILEEN H. HANSON

PAULINE ANN NATHE

MILDRED LOUISE JOESTING

MILDRED LENORE PETERSON

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ECONOMICS AND THE COLLEGE OF EDUCATION**

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*with distinction*

*(Course in Home Economics)*

GLADYCE COSS

**BACHELORS OF SCIENCE**

*(Course in Agriculture)*

MILO JAMES PETERSON

*(Course in Home Economics)*

FLORENCE ENG  
FLO LEWELLEN  
MARIE MURPHY

MARJORIE ANASTASIA PERRIZO  
CARLENE M. ROSE  
EVELYN MARR SELL

ADA DELILAH TODNEM

**MEDICAL SCHOOL**

**BACHELORS OF SCIENCE**

J. RICHARD FUCHLOW

ALFRED EDWARD MUCCILLI

EMILY L. RIPKA, B.A.

**COLLEGE OF PHARMACY**

**BACHELOR OF SCIENCE**

*In Pharmacy*

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**COLLEGE OF EDUCATION**

**BACHELOR OF SCIENCE**

*with high distinction*

ORVILLE CLYDE PETERSON, B.A., LL.B.

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LUCILLE MARGARET BOGAN  
ADALINE THEODORA DOCK  
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MARION LOUISE FINNEY  
SOLVEIG GULLIXSON  
LOIS CELIA HABBERSTAD  
JOSEPHINE HAMILTON  
MILDRED MARIE HOLT  
FRANCES VIRGINIA JOHNSON  
RUTH MORGAN KITTEL  
ALMA C. KOENIG  
WALLACE C. KRAUS

DOROTHY ELEANOR NUTT  
ROY J. OEN  
VIRGINIA ADELAIDE OLSON  
LUCY VIRGINIA PEMBERTON  
AUGUSTUS C. PHILLIPS  
LUCIA CATHERINE ROACH  
EDYTHE PAULINE SLOAN  
EDWARD WILEY SMITH  
JEAN HARTNEY SMITH  
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FRANKLIN ROSWELL SCHALLER

NORMAN KENNETH SCHERER

## LAW SCHOOL BACHELOR OF LAWS

WILLIAM WAYNE MARSHALL

## GRADUATE SCHOOL

### MASTERS OF ARTS

#### POLLY BOUCK

B.A. '27, Vassar College  
Major, Child Welfare  
Minor, Educational Psychology  
Thesis, A Study of the Effect of  
Wide Differences in the Education  
of Parents upon the Behavior of  
Their Children

#### ADELLA MAE CLARK

B.A. '30, Oberlin College  
Major, Child Welfare  
Minor, Psychology  
Thesis, A Study of the Ability of  
Young Children to Control Breath-  
ing and the Relation of This Abil-  
ity to Certain Psychological Fac-  
tors

#### THOMAS VERYL CUNNINGHAM

B.S. '30, University of Minnesota  
Major, Education  
Minor, Industrial Education  
Thesis, Industrial Education in Uni-  
versities and Colleges: Theories  
and Practices in the Preparation of  
Industrial Teachers

#### RICHARD MATTHEWS DRAKE

B.S. '28, University of Minnesota  
Major, Education  
Minor, Mathematics  
Thesis, A Comparison of Two Meth-  
ods of Teaching High School Al-  
gebra

#### EVELYN FIX

B.A. '24, B.S. '25, University of  
Minnesota  
Major, Mathematics  
Minor, Education  
Thesis, A Study of Certain Special  
Fourier Series

#### REUBEN ENOCH HALSETH

B.S. '25, Eastern State Teachers Col-  
lege  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Public School Indebtedness  
in South Dakota

#### JEAN SPEIRS HELGESON

B.S. '22, University of Iowa  
Major, Education  
Minor, Educational Psychology  
Thesis, The Activities of Women  
Engaged as Teachers of Physical  
Education

#### FRANCIS JOSEPH HERDA

B.S. '23, University of Minnesota  
Major, Education  
Minor, Educational Psychology  
Thesis, Some Aspects of the Prob-  
lem of the Instructional Efficiency  
of Men and Women Teachers in  
the Secondary Schools of Minne-  
sota

#### HARRY CARL JOHNSON

B.S. '30, University of Minnesota  
Major, Education  
Minor, Mathematics  
Thesis, The Predictive Value of Cer-  
tain Measures for Teaching Suc-  
cess

#### RITA LA POINTE

B.S. '24, University of Minnesota  
Major, Romance Languages (French)  
Minor, Education  
Thesis, A Study of Unanimism in  
the Theatre of Jules Romains

LAILA OCTAVIA NILSEN

B.A. '30, Concordia College

Major, History

Minor, Political Science

Thesis, The Genesis and Organization  
of the Norwegian Lutheran Church  
of America

HERBERT CHANG PARK

B.A. '32, Coe College

Major, English

Minor, Education

Thesis, A Study of Wordsworth's  
Didacticism

JOSEPH PAUL RINNERT

B.A. '31, Ohio Wesleyan University

Major, Political Science

Minor, Economics

Thesis, The Licensing of Industrial  
and Medicinal Alcohol under the  
National Prohibition Acts

DAVID GARRIOTT RYANS

B.A. '32, De Pauw University

Major, Educational Psychology

Minor, Psychology

Thesis, An Experimental Study of  
the Transfer of Training with  
Special Attention to Individual  
Differences and to the Relation of  
Intelligence Test Performance

ELIZABETH SCHULTZ

B.A. '29, Wheaton College

Major, Education

Minor, Mathematics

Thesis, An Analysis of Workbooks  
in Elementary Algebra

FRED ANDREW SEEMAN

B.A. '27, Iowa State Teachers Col-  
lege

Major, Educational Administration

Minor, Educational Psychology

Thesis, A Critical Analysis of the  
School Buildings of Olmsted Coun-  
ty, Minnesota

EDITH ISABEL STOKES

B.S. '27, University of Minnesota

Major, Educational Administration

Minor, Geography

Thesis, The Initial Steps in the Con-  
struction of a Scale Which Meas-  
ures the Ability of Elementary  
School Pupils to Read Pictures  
for Geographic Purposes

ADOLPH LAWRENCE STUVLAND

B.A. '14, St. Olaf College

Major, Educational Administration

Minor, Political Science

Thesis, A Critical Analysis of the  
State Standards for Instructional  
Materials and Equipment for the  
Elementary Schools of the United  
States

RAY A. WIGEN

B.S. '30, University of Minnesota

Major, Educational Administration

Minor, Industrial Education

Thesis, Related Information in Me-  
chanical Drawing

ELSIE EVELYN WIK

B.A. '28, Macalester College

Major, History

Minor, Romance Languages (Span-  
ish)

Thesis, The Diplomatic Relations of  
the United States and Mexico,  
1853-1862

EDWARD HENRY WITT

B.S. '28, University of Minnesota

Major, Educational Administration

Minor, Industrial Education

Thesis, Physical Aspects of Industrial  
Arts Departments: An Analysis  
of Architects' Plans for New Pub-  
lic School Buildings in Minnesota  
During Fifteen Years, 1918-1932

## MASTERS OF SCIENCE

**ROSLYN URSULA GIRAUD**

B.S. '28, South Dakota State College  
Major, Home Economics  
Minor, Agricultural Biochemistry  
Thesis, A Comparative Study of the  
Strength and Other Physical Prop-  
erties of Certain Wool Fabrics

**LAWRENCE JOSEPH READER**

B.S. '31, University of Minnesota  
Major, Inorganic Chemistry  
Minor, Physical Chemistry  
Thesis, A Study of Hypophosphoric  
Acid and Certain of Its Salts

**FRANCES EDITH HAGLUND**

B.S. '29, University of Minnesota  
Major, Plant Pathology  
Minor, Botany  
Thesis, The Microflora of Sweet  
Corn Seed in Relation to Quality

**GENEVIEVE LEONORA SCANLAN**

B.S. '31, University of Minnesota  
Major, Education  
Minor, Sociology  
Thesis, The Intelligence, Scholar-  
ship, and Certain Activities, Inter-  
ests, and Attitudes of Those Girls  
Who Elect Home Economics and  
of Those Who Do Not at the  
University (Minnesota) High  
School

**KURT HUBERT**

University of Halle (Germany)  
Major, Plant Pathology  
Minor, Agronomy  
Thesis, Some Studies on *Ustilago*  
*muda* (Jens.) Kell. and Sw.,  
*Ustilago tritici* (Pers.) Rostr., the  
Loose Smuts of Barley and Wheat,  
and on an Intermediate Type of  
Loose Smut of Barley

**MARVIN JOHN SIMON**

B.S. '31, University of Minnesota  
Major, Agricultural Economics  
Minor, Dairy Husbandry  
Thesis, Cooperative Purchasing of  
Farm Supplies

**WILLIAM LIVINGSTON JELLISON**

B.S. '29, Montana State College  
Major, Entomology  
Minor, Zoology  
Thesis, Further Studies on the Para-  
sites of Large Game Animals in  
Northern Minnesota

**FLORENCE WINIFRED SPERRY**

B.S. '23, University of Minnesota  
Major, Home Economics  
Minor, Agricultural Biochemistry  
Thesis, Changes in the Plasma Pro-  
teins in Hemorrhagic Anemia

**HARRY McMAHON**

B.S. '32, University of Minnesota  
Major, Animal Husbandry  
Minor, Animal Genetics  
Thesis, Individuality as a Factor In-  
fluencing Economy of Gains in  
Fattening Steers

**STANLEY WILLIAM WILCOX**

B.A., '27, University of Minnesota  
Major, Physics  
Minor, Geology  
Thesis, The Earth-Resistivity Meth-  
od Applied to Some Problems in  
Minnesota

**WALTER THOMAS NICHOLSON**

B.A. '31, Macalester College  
Major, Metallurgy  
Minor, Metallurgy  
Thesis, Special Copper Steels

## MASTER OF SCIENCE

### *In Psychometrics*

HARRIET PHOEBE GORDON

B.A. '20, Wellesley College

Major, Psychometrics

Minor, Educational Psychology

Thesis, Occupational Aptitude and

Interest Tests Applied to 300

Graduate Nurses

## MASTER OF SCIENCE

### *In Chemical Engineering*

CHARLES LOUIS MEYETTE

B.S. '30, University of Minnesota

Major, Chemical Engineering

Minor, Metallography

Thesis, A Study of the Flow of

Liquids Through Porous Media

## MASTER OF SCIENCE

### *In Civil Engineering*

RUSSELL CHARLES BRINKER

B.S. in C.E. '29, Lafayette College

Major, Civil Engineering

Minor, Mathematics and Mechanics

Thesis, A Critical Study of Riveted

and Pin-Connected Railway Bridge

Trusses for Moderate Spans

## MASTERS OF SCIENCE

### *In Electrical Engineering*

EUGENE DEBS BECKEN

B.S. in E.E. '32, University of North  
Dakota

Major, Electrical Engineering (Com-  
munication)

Minor, Electrical Engineering (Elec-  
tric Power)

Thesis, A Study of the Distributed  
Capacity of Coils

ALFRED OTTO CARL NIER

B.E.E. '31, University of Minnesota  
Major, Electrical Engineering

Minor, Mathematics

Thesis, The Magnetic Transmission  
Line

## MASTER OF SCIENCE

### *In Mechanical Engineering*

HARBANS RAJ CHHABRA  
B.S. '31, Iowa State College  
Major, Mechanical Engineering  
Minor, Metallurgy and Metallography  
Thesis, Speed of Welding and Relation of the Amount of Current and the Voltage

## MEDICAL SCHOOL

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GRADUATE SCHOOL  
MASTERS OF SCIENCE

*In Medicine*

PHILIP HALLOCK

B.S. '26, M.D. '29, University of  
Minnesota

Major, Medicine

Minor, Pathology

Thesis, An Experimental Study of  
Pulse Wave Velocity and Arterial  
Elasticity from Childhood to Old  
Age with Statistical Analysis

FRANK SPARLING KENNEDY

B.A. '26, M.D. '29, University of  
Western Ontario

Major, Medicine

Minor, Pathology

Thesis, The Vasodilating Effects of  
Acetylcholine on the Peripheral  
Arterioles

MASTER OF SCIENCE

*In Pathology*

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M.D. '30, University of Manitoba

Major, Pathology

Minor, Clinical Pathology

Thesis, Sacrococcygeal Chordomas

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*In Radiology*

CESARE GIANTURCO

Licenza Liceale '21, Lyceum of G. B.  
Vico

M.D. '27, University of Naples

Major, Radiology

Minor, Pathology

Thesis, Some Mechanical Factors of  
Gastric Physiology

MASTER OF SCIENCE

*In Orthopedic Surgery*

RUDOLPH JOHN MROZ

B.S. '19, M.D. '22, University of  
Illinois

Major, Orthopedic Surgery

Minor, Neurology

Thesis, Origin of Rice Bodies in  
Tendon Sheaths, Bursae and Joints

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### *In Surgery*

HAMLIN AUGUSTUS MATTSON

B.A. '19, B.S. '24, M.D. '26, University of Minnesota

Major, Surgery

Minor, Pathology

Thesis, A Plethysmographic Study of Liver Volume Changes in the Intact Animal

JERRY WILLIAM MCROBERTS

B.A. '25, University of Saskatchewan

M.D.C.M. '29, McGill University

Major, Surgery

Minor, Pathology

Thesis, The Effect of Exclusion of Bile on the Reaction of the Duodenal Contents: An Experimental Study

## MASTER OF SCIENCE

### *In Urology*

ALEXANDER DWIGHT SPOONER

B.A. '25, M.D. '28, University of Wisconsin

Major, Urology

Minor, Pathology

Thesis, Metastasis of Epithelioma of the Urinary Bladder

## DOCTORS OF PHILOSOPHY

STANLEY JOSEPH BUCKMAN

B.S. '31, University of Minnesota  
Majors, Biochemistry and Forestry (Forest Products)

Minor, Forestry (Forest Pathology)

Thesis, A Study of Certain Factors Influencing the Movement of Liquids in Wood

Major Advisers, Professors Henry Schmitz and R. A. Gortner

WARREN WILLIAM CHASE

B.A. '26, Macalester College

M.S. '28, University of Minnesota  
Majors, Forestry and Plant Physiology

Minor, Botany

Thesis, The Composition, Quantity and Physiological Significance of Gases in Tree Stems

Major Advisers, Professors Henry Schmitz and R. B. Harvey

ARTHUR ROSSON CADE

B.S. '15, Worcester Polytechnic Institute

M.S. '17, University of Minnesota

Major, Bacteriology

Minor, Organic Chemistry

Thesis, A Study of Germicides

Major Adviser, Professor H. O. Halvorson

RICHARD TURNBULL CLARK

B.S. '29, University of Manitoba  
M.S. '31, University of Minnesota  
Majors, Animal Husbandry and Zoology

Minor, Genetics

Thesis, Studies of the Physiology of  
Reproduction in the Sheep

I. Twinning and the Practice of  
Flushing

II. The Early Embryology of the  
Sheep

Major Advisers, Professors L. M.  
Winters and A. R. Ringoen

ARTHUR EUGENE HUTCHINS

B.S. '25, University of Minnesota

Major, Horticulture

Minor, Botany

Thesis, Morphological Relationships  
in the Ontogeny of the Cultivated  
Cucumber, *Cucumis sativus* L.

Major Adviser, Professor F. A.  
Krantz

LAWRENCE LYSLE LACHAT

B.S. '29, M.S. '30, Pennsylvania State  
College

Major, Agricultural Biochemistry

Minor, Animal Genetics

Thesis, The Study of the Rachitogenic  
Properties of Cereals

Major Adviser, Professor L. S.  
Palmer

HERLUF PETER NIELSEN

B.S. in M.E. '24, University of Ne-  
braska

M.M.E. '25, Rensselaer Polytechnic  
Institute

Major, Metallography

Minor, Metallurgy

Thesis, Stresses in Heat Treated  
Steel

Major Adviser, Professor R. L.  
Dowdell

RUDOLPH FREDERICK PETERSON

B.S. '30, University of Manitoba

M.S. '31, University of Minnesota

Major, Plant Genetics

Minor, Plant Pathology

Thesis, The Improvement of Rye  
Through Inbreeding

Major Adviser, Professor H. K.  
Hayes

DOCTORS OF PHILOSOPHY

*In Medicine*

HERBERT POLLACK

B.A. '25, Washington and Lee Uni-  
versity

M.D. '29, Cornell University

Major, Medicine

Minor, Physiology

Thesis, Muscle Metabolism

Major Advisers, Drs. F. C. Mann  
and R. M. Wilder

HERMAN JULIUS WOLFF

B.S. '27, M.D. '30, University of  
Minnesota

Major, Medicine

Minor, Pathology

Thesis, An Experimental Study of  
the Physiological Action of Toluy-  
lene-Diamine (T-d) and Its Rela-  
tion to Icterogenesis in the Dog

Major Adviser, Dr. F. C. Mann

DOCTOR OF PHILOSOPHY

*In Obstetrics and Gynecology*

ALVIN JOHN MEYER

B.A. '25, Carleton College

M.D. '30, University of Minnesota

Major, Obstetrics and Gynecology

Minor, Anatomy and Pathology

Thesis, Fetal Mortality in Relation  
to Labor

Major Adviser, Dr. J. C. Litzenberg

DEGREES CONFERRED MARCH 22, 1934

GENERAL COLLEGE

ASSOCIATE IN ARTS

DOROTHY M. SCHLEH

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GRADUATE DENTAL HYGIENISTS

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MEDICAL SCHOOL

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BERNICE S. DALEN

MARJORIE HELEN DELMORE

OLIVE MAE FISHER

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MACIE MARCELLA GROEN

INGER E. HANSON

ELSIE E. A. HASTI

EDITH MARCELLA HEALY

RACHEL JOHNSON

ESTHER S. KINTZI

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LILLIAN MARIE MUNSON

ALICE EVELYN PETERSON

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RUTH MILDRED SCHULSTAD

VILMA MARIE SOUKUP

RUTH HELEN STRANDNESS

EDITH ELMOR THOMPSON

FRANCES L. WESTERGREEN

EVELYN ESTHER YAHN

COLLEGE OF SCIENCE, LITERATURE, AND  
THE ARTS

BACHELORS OF ARTS

*cum laude*

BETTY ANNE GRAVES

EDNA MARIE NELSON

NATHAN GUDELL SAX

## BACHELORS OF SCIENCE

*cum laude*

ESTHER TODD FRENCH

SYLVIA JUNE MOSKOVITZ

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ERIC M. EISENHARDT

RICHARD RUNKEL EMERY

OLIVE SYLVIA ERICSON

HENRY BOYNTON ERIKSON

CLARENCE BERT GILBERT

JOHN THOMPSON HALL

WALLACE R. HOAGLUND

GRACE ELAINE JOHNSON

BURTON HENRY JOHNSTON

ALMA KJELLAND KERR

WILLIAM ANDING LANGE

BERNICE CHRISTINE MENGELKOCH

ELAINE Z. NORTZ

LAURENCE EARL NUGENT, JR.

SHELDON W. PETERSON

RUTH PLANK

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MARTIN JOE STESIN

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HELEN ELIZABETH THOMPSON

W. DEAN TROMANHAUSER

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HELEN LEACH

WINIFRED G. LOMASNEY

NATHAN GARY MANDEL

ALLEN W. NELSON

## COLLEGE OF ENGINEERING AND ARCHITECTURE AND SCHOOL OF CHEMISTRY

### BACHELOR OF AGRICULTURAL ENGINEERING

FRED WILLIAM KESLER

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HALVOR PAUL WAGTSKJOLD

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KARL LINDSTEN ZIEGLER

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ELMER ADDISON FOSKETT

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HOME ECONOMICS

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*(Course in Agriculture)*

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*(Course in Forestry)*

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RALPH WILLIAM NELSON

PAUL NORMAN SEASTROM  
CLIFFORD WAYNE SWORD  
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DORIS JENNIE GRAND

GERTRUDE PATRICIA HAYES

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ECONOMICS AND COLLEGE OF EDUCATION

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GURLEY HELEN FORSMAN

VIVIAN GENEVIEVE FOSTER  
LOU ELLA J. GRUSSENDORF

## LAW SCHOOL

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*In Law*

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## MEDICAL SCHOOL

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BOURNE JEROME	HAROLD LINDELL STEMSRUD
EMIL W. JOHNSON	MAURICE WEISBERG, B.A.

## SCHOOL OF MINES AND METALLURGY

### ENGINEER OF MINES

*In Petroleum*

GORDON FENMORE SCOTT

### METALLURGICAL ENGINEER

MYRON R. NESTOR

## COLLEGE OF EDUCATION

### BACHELORS OF SCIENCE

*with distinction*

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	ALVIN BERNARD PETERSON

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LOUISE A. BACHMAN	ALICE BELLE GOODHUE
RUTH MARGARET CUMMING	LOUISE ELIZABETH GRIVELLI
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WILVA L. DAVIS	ELLA FRANCES KENNEDY
DARYL JAMES GIBSON	JOHN UFFORD LEVERSEE



MARCELLA MARY MANN  
EVERETT R. MILLER  
INGRID O. MILLER  
MARGARET O'FARRELL

FREDA RAICH  
H. BEATRICE RANSTAD  
MAURINE RICHARD  
ELEANORE ANNE SANDAHL

JOSEPH BENJAMIN WEST

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### BACHELORS OF BUSINESS ADMINISTRATION

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GERTRUDE MARIE HOLSTAD  
JAMES MILES KALMEN  
ROY CORNELIUS KOHLER  
‡KARL HENRY KRIESEL  
LESTER CARSTON LARSEN  
CLAUDE IRWIN LOTSHAW  
BENNIE FRANK OHS

LAVERN KENNETH PETERSON  
WILLIAM ARTHUR PORTER, JR.  
THEODORE R. PRICE  
JEANNE MILDRED ROTH  
ROBERT ALFRED STARN  
JOHN ROY TANNER  
RICHARD B. WHITING  
MASON S. WILMERS

A. GORDON WOOD, JR.

## UNIVERSITY COLLEGE

### BACHELOR OF ARTS

*magna cum laude*

ALBERT THOMAS BARTON

### BACHELOR OF ARTS

*cum laude*

BETTIE BRASIE

### BACHELOR OF ARTS

MARGARET BERNHARDINE THORSON

### BACHELOR OF SCIENCE

ALBERT S. GOUSTIN

‡ Degree conferred post obitum.

## GRADUATE SCHOOL

### MASTERS OF ARTS

SYLVIA OTELIA BERGE

B.A. '31, Augsburg College  
Major, Education  
Minor, Zoology  
Thesis, Analysis and Classification of  
Study Helps in Junior High School  
Eighth Grade Readers

MURRAY FIFE BUELL

B.A. '30, Cornell University  
Major, Botany  
Minor, Geology  
Thesis, The Seed and the Seedling  
of *Acorus Calamus* L.

FRED LEWELLYN CURRAN

B.S. '21, Stout Institute  
Major, Education  
Minor, Educational Psychology  
Thesis, The Demonstration Method  
versus the Instruction Sheet Method  
in Teaching Industrial Arts

ALICE BLANCHARD GRANNIS

B.S. '28, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Comparative Study of the  
Formal Training of the Faculties  
of One Hundred Colleges

CELINDA BURNAP HADDEN

B.M.E. '30, Northwestern University  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, An Analysis and Comparison  
of Five Junior High School Song-  
books

HAROLD HERMAN HELMS

B.S. '28, University of Minnesota  
Major, Educational Administration  
Minor, Economics  
Thesis, The Effect of Equalization  
of Elementary School Support in  
Waupaca County

ALWYN ROBERT HOLST

B.A. '20, Hamline University  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Analysis of the Physical and  
Health Education Programs of a  
Selected Class of Schools in Min-  
nesota

STELLA ROSS KELLEY

B.S. '26, University of Minnesota  
Major, Education  
Minor, Educational Psychology  
Thesis, A Survey of the Red Lake  
Falls Teacher Training Department  
and of Its Product over a Period  
of Twenty-One Years

HERMAN HAROLD KOHL

B.S. '26, Eastern State Teachers Col-  
lege  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of Certain Aspects  
of School Administration in Han-  
son County, South Dakota

MARY MCNAIR McCUNE

B.A. '15, Wellesley College  
B.S. '19, Simmons College  
Major, Sociology  
Minor, Preventive Medicine  
Thesis, History of the Minneapolis  
General Hospital, 1877-1930

THEODORE ARTHUR PEARSON

B.A. '30, Gustavus Adolphus College  
Major, Physiology  
Minor, Pathology  
Thesis, The Relation of the Carotid  
Sinus to the Control of Respiration

WALTER WELLS STURTEVANT  
B.A. '29, University of Minnesota  
Major, Education  
Minor, Industrial Education  
Thesis, Course Content in Mechanical  
Drawing

MASTER OF SCIENCE

MATTHEW B. MOORE  
B.S. '29, University of Minnesota  
Major, Plant Pathology  
Minor, Botany  
Thesis, Studies in the Genetics and  
Cytology of *Ustilago Zeae* (Bekm.)  
Ung.

MASTER OF SCIENCE

*In Agricultural Engineering*

WILLIAM BERNARD NIVISON  
B.S. '32, Michigan State College  
Major, Agricultural Engineering  
Minor, Agricultural Economics  
Thesis, The Performance of Disc  
Harrows

MASTER OF SCIENCE

*In Chemical Engineering*

ROBERT MARTIN McADAM  
B.Ch.E. '32, University of Minnesota  
Major, Chemical Engineering  
Minor, Agricultural Biochemistry  
Thesis, The Electrolysis of Waste  
Sulfite Liquor

MASTER OF SCIENCE

*In Civil Engineering*

HARRY BURGESS ROE  
B.S. '08, University of Minnesota  
Major, Civil Engineering (Hydraulics)  
Minor, Farm Management  
Thesis, Experimental Design of Ver-  
tical Drop Culverts

## MASTER OF SCIENCE

### *In Electrical Engineering*

JAMES COCHRAN BARNES

B.S. in E.E. '28, University of Minnesota

Major, Electrical Engineering

Minor, Mathematics

Thesis, An Experimental Investigation of Noise in Audio Frequency Amplifiers

## AGRICULTURAL ENGINEER

JESSE HAROLD NEAL

B.S. '24, Kansas State Agricultural College

M.S. '29, University of Minnesota

Major, Agricultural Engineering

Minor, Soils

Thesis, The Proper Spacing and Depth of Tile Lines Determined by the Physical Properties of the Soil

## CIVIL ENGINEER

ROBERT NELSON LOHN

B.C.E. '29, M.S. in C.E. '31, University of Minnesota

Major, Civil Engineering (Railway Engineering)

Minor, Civil Engineering, (Sanitary Engineering)

Thesis, High Joints in Concrete Pavements

## MEDICAL SCHOOL

### BACHELOR OF MEDICINE

*with distinction*

SAM LEVI

## BACHELORS OF MEDICINE

JERE WRIGHT ANNIS, B.A.	WILLIAM ANDING LANGE
FREDERICK PHILLIP ARNY	ARTHUR BUCHMAN LEVANT, B.S.
FREDERIC T. BECKER	CURT W. LUNDQUIST, B.S.
ROLAND BUELL BOETTNER	JOSEPH SIDNEY LYNCH, B.A.
WALTER DAVID CODDON	DAVID McMILLAN MARCLEY, B.A.
THOMAS JAMES DOYLE	CHARLES EWART McLENNAN, B.A., M.A.
HARRY FALK	GEORGE HODGSON OLDS, B.A.
CARL NORMAN GIERE, B.A., B.S.	WILLIS A. REDDING, B.S.
FREDERICK GUNNAR GUNLAUGSON	SIDNEY SAUL SCHERLING
ROBERT DANA HARPER	HAROLD LINDELL STEMSRUD
OLAF MARIUS HEIBERG, B.A.	STANLEY H. TYLER, B.A.
ROY ALBERT HOFFMAN, B.A., B.S.	BERNARD MARLIN URENN, B.A.
ALVIN M. JENSEN	CHARLES WILSON VANDERSLUIS, B.A.
BOURNE JEROME	MAURICE WEISBERG, B.A.
EMIL W. JOHNSON	LAWRENCE BRODY WINKELSTEIN, B.A., M.S.
PHILIP ARZT KEES, B.A.	WALE SAMUEL WRIGHT, B.S.
RAPHAEL JOSEPH KOFF, B.S., M.S.	
ROBERT HENRY LABREE	

## DOCTORS OF MEDICINE

*with distinction*

CHARLES EWART McLENNAN, B.A., M.A.

## DOCTORS OF MEDICINE

MAURICE BORKON, M.B.	JOHN ALTON GILLEN, B.A., B.S., M.B.
EARL NATHANIEL BOSSINGHAM, B.S., M.B.	RALPH O. HAYDEN, B.S., M.B.
HAROLD F. BUCHSTEIN, B.A., M.B.	S. SVERRE HOUKOM, B.S., M.B.
DAVID BENNETT DAVIS, B.A., B.S., M.B.	MELVIN LOUIS HOVLAND, B.A., M.B.
EVERETT WALLACE DeLONG, M.B.	G. LEONARD ORTH, B.S., M.B.
FREDERICK WILLIAM ENGDahl, C.E., M.B.	WILLIAM LEWIS WALL, B.S., M.S., M.B.
MARTIN GUST ERICSSON, M.B.	LAWRENCE BRODY WINKELSTEIN, B.A., M.S.

## GRADUATE SCHOOL

### DOCTORS OF PHILOSOPHY

#### RALPH WILLIAM MACY

B.A. '29, Linfield College  
M.A. '31, University of Minnesota  
Major, Zoology  
Minor, Entomology  
Thesis, Studies on the Taxonomy,  
Morphology, and Biology of *Prostho-*  
*thogonimus Macrochis* Macy, A  
Common Oviduct Fluke of Do-  
mestic Fowls in North America  
Major Adviser, Prof. W. A. Riley

#### DAVID CLYDE SMITH

B.S. '26, Utah State College  
M.S. '28, Oregon State College  
Major, Agronomy and Plant Genetics  
Minor, Plant Pathology  
Thesis, Correlated Inheritance in Oats  
of Reaction to Diseases and Other  
Characters  
Major Adviser, Prof. H. K. Hayes

#### CHESTER ALLAN SWINYARD

B.S. '28, M.S. '29, Utah State Col-  
lege  
Major, Zoology  
Minor, Entomology  
Thesis, A Lymnological Study of  
Several Minnesota Lakes  
Major Advisers, Profs. Samuel Eddy  
and W. A. Riley

#### ALFRED LELAND VAUGHAN

B.A. '29, DePauw University  
Major, Physics  
Minor, Mathematics  
Thesis, Mass Spectrograph Analyses,  
and Critical Potentials for the Pro-  
duction of Ions by Electron Im-  
pact, in Nitrogen and Carbon  
Monoxide  
Major Adviser, Prof. John T. Tate

#### SAMUEL YUSTER

B.S. '26, North Dakota State College  
Major, Physical Chemistry  
Minor, Organic Chemistry  
Thesis, The Catalytic Chlorination of  
Propane  
Major Adviser, Prof. L. H. Reyerson

HONORS AND PRIZES ANNOUNCED ON CAP  
AND GOWN DAY, MAY 10, 1934

PHI BETA KAPPA

DORIS ATWOOD  
PHYLLIS BARNARD  
BETTY BARTHOLOMEW  
HELEN BEHLKE  
LUCILE BENNETT  
CARL BERG  
FLORENCE BILLING  
HELEN BROHAUGH  
SCHUYLER BROWN  
JANET BURWELL  
ALICE D. CARLSON  
JUNE CARLSON  
WILLIAM COSTELLO  
WILLIAM CULMER  
JANET EDWARDS  
BETSY EMMONS  
GEORGE ENGBERG  
LILLIAN ENGBRETSON  
ADOLPH FRANZMAN  
ALICE FRASER  
SIDNEY GOLDISH  
LEROY HARFF  
HELEN HOFF  
BETTY KELLER

JAMES F. KING  
KARL KREILKAMP  
GERTRUDE LAWTON  
RUSSELL LAXSON  
HERSH LICHT  
JOHN OLMSTED  
DOROTHY PARRISH  
ENID K. PEARCE  
ARNE PETERSON  
CLARENCE E. PETERSON  
MARION PFAENDER  
BERNICE RAUCH  
MONA REDMOND  
MARLYS RIEKE  
FRED ROSENDAHL  
SISTER FRANCIS CARROLL  
DORIS SMITH SPECHT  
BETTY STOCKS  
WINSTON B. THORSON  
RUTH WARREN  
GLADYS WATSON  
ALFRED C. WELCH  
ETHEL WOOD

LAMBDA ALPHA PSI

BETTY BARTHOLOMEW  
HELEN J. BEHLKE  
HELEN FRANCES BROHAUGH  
JOHN CAVANNA  
MARGARET ESTHER DAY  
LILLIAN PEARL ENGBRETSON  
CAROL S. HOIDALE  
REBEKAH STEVENS KENNEY  
ARTHUR Z. LANDRY  
NELLIE C. MASON  
SIDNEY B. MAYNARD

FRANZ MONTGOMERY  
ENID KATHLEEN PEARCE  
FRANCISCA RYAN  
FLORIAN J. SCHLECK  
BETTY T. STOCKS  
IRENE TAEUBER  
RUTH WARREN  
GLADYS L. WATSON  
ANNA BELLE WILSON  
LAWRENCE ALLEN WILSON

## TAU BETA PI

JOHN ANTHES  
DANIEL ARMSTRONG  
KEITH BLEUER  
GLENN BROKKE  
HARRY BROWN  
MORRIS COHEN  
BENEDICT COHN  
LEANDER FISCHER  
RALPH FREDRICKSON  
HOMER HAGSTROM  
HELMER HANSON  
ERNST HOVEMEYER  
CLINTON JANES  
ORVILLE JENSEN  
RUSSELL JOHNSON  
WILHO JUNNILA  
DONALD JUSTUS

DAVID KERNS  
RAYMOND KOICHEVAR  
ALAN LEHMAN  
LEWIS MARTIN  
GEORGE MITCHELL  
ARVID NEWHOUSE  
JOHN OSOJNICKI  
CARL PENNIG  
JOHN REUSCH  
JOHN SCOTT  
LYLE SCOTT  
HAROLD SHAW  
EDWARD SILBERMAN  
SIGWARD STAVNES  
HAROLD SUNDSTROM  
LEE WHITSON

## TAU SIGMA DELTA

ROBERT W. AUVINEN  
LEONARD J. CURRIE  
VICTOR C. GILBERTSON

WALTER LINDSTROM  
EDWARD V. LOFSTROM

## ETA KAPPA NU

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KEITH BLEUER  
EARL F. DIEKHOFF  
HOMER HAGSTROM  
ERNST HOVEMEYER  
CLINTON JANES  
WILHO JUNNILA

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HENDRICK MIDDEL  
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JOHN REUSCH  
SIGWARD A. STAVNES

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WILLIAM J. GORDON  
EDWIN HARTZMANN  
GORDON P. MAAS

HAROLD W. SHAW  
LEE S. WHITSON  
LEONARD L. WILLIS

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HARRY BAKER  
GLENN BROKKE  
WILLIAM BURGUM  
JACOB ESSEN  
EDWARD GRAVES

RALPH MONSON  
CARROLL REESE  
HOWARD SCHLEITER  
EDWARD SILBERMAN  
LEON TURNER



## GAMMA SIGMA DELTA

RALPH COMSTOCK  
REX COX  
RALPH CRIM

HARRY MUIR  
ENOCH NORUM  
H. B. ROE

## OMICRON NU

RUTH ALTERMATT  
BARBARA BAILEY  
VIOLET BERG

ELEANOR CHALGREN  
EDITH CHRISTENSEN  
EUNICE HENDRICKSON

## ORDER OF THE COIF

ROBERT BRUCE  
ROBERT J. CHRISTIANSON

JOHN C. HERBERG  
SIDNEY E. KANER

## ALPHA OMEGA ALPHA

DEAN A. COLLINS  
HARRIET BOWER FARNHAM  
MEREDITH E. GUERNSEY  
MILES J. GULLICKSON  
CARL GYDESON  
RAPHAEL KOFF  
JOHN A. LAYNE  
SAM LEVI  
CHARLES E. McLENNAN

MANCEL T. MITCHELL  
HENRY G. MOEHRING  
ARTHUR A. NELSON  
THEODORE B. RASMUSSEN  
HAROLD E. RICHARDSON  
THOMAS S. ROBERTS  
SAM I. STEIN  
BERNARD M. URENN

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ROY L. ANDERSON  
HERMAN G. JANSSEN  
WALTER S. LANGSTON  
HARVEY M. MONSON

RAY G. PERSCHBACHER  
GEORGE C. PORTEOUS  
WALTER J. REUTER  
MIHLO G. SCHAEFER

## RHO CHI

REGINALD BECKWITH  
MILTON DESNICK  
ESTHER JAHN  
EDWARD KADELA

AMY NORRIS  
HERBERT ROUFS  
NATHAN SCHAPIRO

## PHI LAMBDA UPSILON

COURTLAND AGRE  
F. J. ALWAY  
JOHN ANTRES  
ROGER BOSSEN

H. B. BULL  
J. W. CAVETT  
R. L. DOWDELL  
E. P. EPSTER

V. L. FRAMPTON  
W. R. GORTNER  
S. A. HARRIS  
A. HEMINGWAY  
A. D. HIRSCHFELDER  
GORDON HOLLINGSWORTH  
J. W. HORNER  
EMMETT JOHNSON  
EDWARD KADELA  
JACK KAPLAN  
L. L. KEMPE  
WILLIAM MACNEVIN  
R. McADAMS  
J. F. McCLENDON

GEORGE MITCHELL  
H. C. OBERMEYER  
F. C. OLSON  
ERLING ORDAHL  
L. S. PALMER  
A. R. PATTON  
C. O. ROST  
P. MILTON ROUFF  
A. A. RUOHO  
LEONARD RUSH  
L. D. SCHMIDT  
JOHN SCOTT  
DAVID TENENBAUM  
WILLIAM VON FISCHER

### IOTA SIGMA PI

ORPHA HIGHLAND  
AGNES HODAPP

SISTER JAMES AGNES FOGARTY  
ELIZABETH SUTHERLAND

### PI LAMBDA THETA

PHYLLIS BARNARD  
DORIS BLOMQUIST  
TYBEL BLOOM  
RUTH BRACE  
A. KATHERINE BROWN  
ALICE L. DAHL  
MARGARET DAY  
CARRIE DOKKEN  
MARY FORD  
PAULINE GERSICH  
HELEN HAGGERTY  
ALPHA HENRIKSEN  
HILDEGARDE JOHNSON  
FREDA LAUDEN

DOROTHEA C. LUND  
CONSTANCE McCULLOUGH  
HELEN McLAUGHLIN  
MILMA PETRELL  
MONA REDMOND  
RUTH STRANDNESS  
ROSALICE STUBER  
IRENE TAEUBER  
THYRZA TYRELL  
JANE VAN BRAAK  
EDITH WALLENBERG  
ADA WARREN  
RUTH WARREN

### BETA GAMMA SIGMA

LUCILLE BENNETT  
CARL BERG  
MAURICE BREITMAN  
JANET EDWARDS  
STANLEY GUSTAFSON  
RAYMOND HUGHES  
ELIZABETH JOHNSON  
NORMAN LINDSTROM

CLAUDE LOTSHAW  
EDMUND NIGHTINGALE  
GEORGE PENNOCK  
PAUL RICHTER  
JOHN ROCKWELL  
CARL SANDEEN  
MERTON STOLTZ  
OWEN WYNNE

## DELTA PHI LAMBDA

BETTY BARTHOLOMEW  
ROBERT BOWEN  
J. N. DOUGLAS BUSH  
FRANCES BUTWIN  
RALPH D. CASEY  
BETSY EMMONS

JOHN S. FITCH  
EDWIN H. FORD  
BEN KERN  
JESSE M. MCFADYEN  
CLARENCE E. PETERSON  
BETTY T. STOCKS

## DELTA SIGMA PSI

J. E. EILERTSON

THORELLA FJOSLIEN  
IVA GRONSETH

## SIGMA EPSILON SIGMA

IRENE CIOCHETTO  
HELEN CORY  
PHYLLIS HAWLISH  
HELEN KILLMER  
GLADYS LOUCKS  
MABEL LUHMAN

GLADYS RIPZINSKI  
MARY SCHMIDT  
MARGARET SEDER  
LUCILLE SPELLMAN  
MARGARET THOMES  
DOROTHY WAGNER

# FELLOWSHIPS AND SCHOLARSHIPS

## THE SHEVLIN FELLOWSHIPS

*Science, Literature, and the Arts*

CLIFFORD JOSEPH MALONEY

*Agriculture, Forestry, and Home Economics*

ROBERT STUART RICHARDSON

*Medicine*

RAYMOND WESLEY CUNNINGHAM

*Chemistry*

HENRY C. YUTZY

## THE CALEB DORR GRADUATE RESEARCH FELLOWSHIPS

ANITA GRACE SALLONS

REGINALD WILSON SALT

## THE ALBERT HOWARD SCHOLARSHIP

RAYMOND PEPINSKY

## THE CLARA UELAND FELLOWSHIP

AGNES IRENE MORKRID

## COFFMAN FOUNDATION SCHOLARSHIP

ALVIN B. PETERSON

## DELTA SIGMA PSI SCHOLARSHIP

THORELLA FJOSLIEN

## THE ALPHA ZETA SCHOLARSHIP

JAMES A. BUSSEY

## THE CALEB DORR SCHOLARSHIPS AND MEDALS

*Senior medals*

ENOCH B. NORUM

BETTY RAMSBELL

*Junior scholarships*

RALPH E. COMSTOCK

ELEANOR A. CHALGREN

*Sophomore scholarships*

DONALD L. DAILEY

LUCILLE SPELLMAN

## PRIZES

### THE WILLIAM JENNINGS BRYAN PRIZE

ELMER W. FOSTER

### THE FORENSIC MEDAL

GENEVIEVE ARNOLD

CHARLES EVANS

### THE AMERICAN INSTITUTE OF ARCHITECTS MEDAL

JOHN C. CARNEY

### SCARAB MEDAL

HOLGER N. MORTENSON

### SOUTHERN MINNESOTA MEDICAL ASSOCIATION MEDAL

CHARLES E. McLENNAN

### THE LEHN AND FINK MEDAL

EDWARD KADELA

### THE CONFERENCE MEDAL

MARSHALL WELLS

### THE WULLING CLUB KEY

ESTHER JAHN

### THE JOHN S. PILLSBURY PRIZES

*First place*

DON RIVERS

*Second place*

SHIRLEY PRATT

*Third place*

GENEVIEVE ARNOLD

### THE FRANK H. PEAVEY PRIZES

WYMAN JACOBSON

GORDON PEHRSON

KENNETH PETERSON

SIGMA DELTA CHI SCHOLARSHIP AWARDS

JAMES P. EMERSON  
SIDNEY GOLDISH

ALBERT HORLINGS  
PHILIP POTTER

THE CHI OMEGA PRIZE

FERN FISK

THE HELEN DWAN PRIZE

JOAN KOUPIS

NORTHWESTERN SECTION, AMERICAN SOCIETY OF  
CIVIL ENGINEERS PRIZES

*First prize*

MILES S. KERSTEN

*Second prize*

JOHN F. RIPKEN

MINNESOTA CHAPTER, AMERICAN SOCIETY OF  
MECHANICAL ENGINEERS PRIZES

*First prize*

KAY S. JUE

*Second prize*

L. FRANKLIN VOBAYDA

*Third prize*

GLADYS A. WALLENE

TAU BETA PI PRIZE

ORVILLE A. BECKLUND

ETA KAPPA NU PRIZE

RUSSELL L. NIELSEN

THE PI TAU SIGMA PRIZE

MILO M. BOLSTAD

CHI EPSILON PRIZE IN CIVIL ENGINEERING

RICHARD D. SPRINGER

GARGOYLE CLUB PRIZES IN ARCHITECTURE

*First prize*

GEORGE L. THOMPSON

*Second prize*

NORMAN K. FUGELSON

PHI LAMBDA UPSILON PRIZE

EDWARD T. MARSHALL

ALPHA CHI SIGMA PRIZE

FRANK B. WEST

THE SAMUEL B. GREEN SCHOLARSHIP

KARL F. ZIEGLER

THE MINNESOTA STATE PHARMACEUTICAL  
ASSOCIATION SCHOLARSHIP

REGINALD BECKWITH

MINNESOTA STATE PHARMACEUTICAL ASSOCIATION  
GRADUATE FELLOWSHIPS

EDWARD BRECHT

KARL GOLDNER

THE JOHNSON FOUNDATION SCHOLARSHIPS

JUNE H. CARLSON

BERNARD PHILLIPS

JOSEPH DAoust

LUCILLE SPELLMAN

GERTRUDE ESTEROS

JANE L. VAN BRAAK

MILMA D. PETRELL

MARION VANNIER SCHOLARSHIP

RUTH STRANDNESS

CHEMISTRY FACULTY PRIZE

WILLIAM E. LUNDQUIST

ROLLIN E. CUTTS PRIZE IN SURGERY

MOE GOLDSTEIN

SOUTHERN MINNESOTA MEDICAL ASSOCIATION PRIZE

MEREDITH C. GUERNSEY

CHARLES LYMAN GREEN PRIZE IN PHYSIOLOGY

CARROLL J. BELLIS

LOUISE M. POWELL PRIZE

JANE IRVINE

ESTHER KINTZI

ALPHA KAPPA GAMMA PRIZE

BERENICE E. JOHNSON



# University of Minnesota

SUMMER SESSION  
COMMENCEMENT EXERCISES  
1934



NORTHROP MEMORIAL AUDITORIUM  
THURSDAY, JULY TWENTY-SIXTH, AT TEN O'CLOCK

## ORDER OF EXERCISES

Dean GUY STANTON FORD, Presiding

PROCESSIONAL—Coronation March from “The Prophet” - - -  
*Meyerbeer*

SUMMER SESSION ORCHESTRA  
ABE PEPINSKY, Conductor

SONG—“America”

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

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

COMMENCEMENT ADDRESS—“Creative Pioneering”

JEROME DAVIS, Ph.D.  
Gilbert L. Stark Chair of Practical Philanthropy  
Yale Divinity School

MUSIC—Symphony in D Minor - - - - *Cesar Franck*

Finale. Allegro non Troppo  
SUMMER SESSION ORCHESTRA

CONFERRING OF DEGREES

GUY STANTON FORD, Ph.D., LL.D.  
Dean of the Graduate School

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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SMOKING

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the lounge rooms which have been provided for the purpose.

# CANDIDATES FOR GRADUATION

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

## SCHOOL OF DENTISTRY

### GRADUATE DENTAL HYGIENIST

IRMA M. HAMMERBACHER

## COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

### BACHELOR OF ARTS

†*cum laude*

GENEVIEVE H. ARNOLD

### BACHELORS OF ARTS

JOHN ANDREW BOWMAN

LEONE ELIZABETH GEHRING

CARL WILLIAM FORSBERG

JAMES F. GOGGINS

WILLIAM HENRY GACKE

VIRGINIA LEWIS

CLIFFORD VINCENT GARDING

GILBERT ANDREW RANDORF

MARY LOUISE REIMBOLD

## COLLEGE OF ENGINEERING AND ARCHITECTURE AND SCHOOL OF CHEMISTRY

### BACHELOR OF CHEMICAL ENGINEERING

†*with high distinction*

JOHN ADELBERT SCOTT

### BACHELORS OF AERONAUTICAL ENGINEERING

ROBERT FRANCIS BARTHELEMY

WILLIAM CHARLES COLLINS

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

## BACHELORS OF CIVIL ENGINEERING

GORDON J. BINA  
VICTOR E. A. BOCK  
HARALD FLAATA  
ARVEL BURNELL KLESSIG

HARRY MAYERON  
WILLIAM F. MYERS  
VERNE N. OSMUNDSON  
WALDO E. SOLSTAD

## BACHELOR OF ELECTRICAL ENGINEERING

JOHN MARSHALL CLAREY

## BACHELORS OF CHEMICAL ENGINEERING

WILLIAM HENRY FURST  
WILLIAM LEONARD GALLOWAY

WILLIAM GRAESER HUGHES  
EARL LEWIS SCHULMAN

## COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

### BACHELOR OF SCIENCE

*(Course in Agriculture)*

EDWARD LOUIS TOMASZEWSKI

### BACHELORS OF SCIENCE

*(Course in Home Economics)*

PEARL RUTH ABRAMOVICH  
FLORENCE FRISCH

GERALDINE GRAVES  
VIVIAN LEOTA ORY  
RUTH SCOFIELD

## LAW SCHOOL

### BACHELOR OF SCIENCE

*In Law*

JOHN FUNK

## MEDICAL SCHOOL

### BACHELORS OF SCIENCE

RUTH BERENICE BERENS

JAMES J. MCNEARNEY

## COLLEGE OF EDUCATION

### BACHELOR OF SCIENCE

†*with high distinction*

BERNICE STEVENS McRAE

### BACHELORS OF SCIENCE

†*with distinction*

ALICE VIRGINIA ANDERSON  
LORAIN LUCILLE DURY  
RAYMOND J. HEFFRON  
GLADYS AGNES LUNDGREN  
MERCEDES KATHERINE MOORE  
COSETTE LILY MORSE

LILIAN ELAINE MOSER  
RUTH KARNA NELSON  
MABEL FLORENCE OLSON  
SELMA WILHELMINA PETRICH  
MAYBELLE JUSTINA SMITH  
NELL T. WHITAKER

### BACHELORS OF SCIENCE

MARGARET FAYE ALLEN  
HELEN BERENICE ANDERSON  
GRACE R. ANDREWS  
MARGARET MARY BARBAREE  
SIGFRED ERNEST BECKLUND  
EARL MAURICE BOWLER  
MAY BRUNNER  
OSCAR LANDELINO BUNKER  
MARJORIE CELESTIA BURKE  
KATHERINE A. CLEARY  
MARY E. DALY  
GLADYS L. ELLINGSON  
CAROLINE GRIFFITH ERSKINE  
JOHN ROBERT FAUSCH  
EDITH M. FOLLANSBEE  
ANNA THERESA GARVEY  
MARY LORETTO GARVEY  
MARGUERITE ANN GREENFIELD  
LUCILE CATHERINE GREINER  
IDA B. HALPER  
RAGNA O. HATLELID  
ORPHA HELSTEIN

MARY A. KELLY  
MINNIE ALVILDE KJELDE  
NELLIE C. KLEVE  
MARTHA ELEANORA LINDSTROM  
MARY HANNA MABUSTH  
SARAH MAY MOORE  
JEAN ANN MORRISON  
GUDRUN BENNEDEKTE NORMAN  
LIALA M. PEDERSON  
AGNES MARGUERITE PETERSON  
ALICE EVELYN PETERSON  
NAOMI MARIAN PETERSON  
MARY E. PICKELL  
DEWEY HASKELL REED  
LLOYD ROBERT RUTGERSON  
MARYELLEN SHIELDS  
EDWARD REINHARD SITZER  
ORWAL E. SLETTEN  
MAE A. SWEENEY  
OTTO WALTER TALUS  
BEULAH TAYLOR  
VALVA WEISMAN

MERLE MAGDELENE WILK

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

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

BACHELORS OF SCIENCE

*(Course in Home Economics)*

BARBARA JEAN BELL  
SYNEVA LOIS MARTIN

EUNICE LEONA SNOOK  
DOROTHEA ERNESTINE WOOD

SCHOOL OF BUSINESS ADMINISTRATION

BACHELORS OF BUSINESS ADMINISTRATION

MELVIN BERGLUND  
MARGARET JANE CUMMINGS  
MERRILL R. HOLSTE

HELEN V. KANNE  
ADELL BERNICE KENNEDY  
GORDON CLIFFORD SWENSON

UNIVERSITY COLLEGE

BACHELORS OF ARTS

MADRA AILEEN CORRELL  
GEORGE EVERETT FRITZBERG

VIRGINIA ALICE RICH  
RIJKUS JOHANNES SWETS

SCHOOL OF DENTISTRY

DOCTORS OF DENTAL SURGERY

HENRY WILSON BREWER  
ROBERT WOOD HART  
MILTON GEORGE LARSON  
RALPH HOMER LOOFBOURROW

ROBERT INNES MONICK  
LOUIS J. RYAN  
WILLIAM E. SCHULTZ  
ARTHUR THOMAS WATSON

GRADUATE SCHOOL

MASTERS OF ARTS

HELENE ALLAND  
B.A. '30, St. Olaf College  
Major, English  
Minor, History  
Thesis, The Braggart in Early Eng-  
lish Comedy

MILDRED LOUISE BOIE  
B.S. '27, University of Minnesota  
Major, English  
Minor, History  
Thesis, Louisa May Alcott

GEORGE HOMER FIELDS

B.A. '25, Central College  
Major, Educational Administration  
Minor, Chemistry  
Thesis, An Experimental Comparison  
of the Daily Assignment-Daily  
Recitation and the Unit Assign-  
ment in High School Chemistry

CLARA CELESTINE GLENN

B.A. '20, College of St. Catherine  
Major, English  
Minor, Composition  
Thesis, The Treatment of Nature in  
the Gothic Novel

MARY CECILIA GOTAAS

B.S. '28, Northern State Teachers  
College  
Major, Romance Languages (French)  
Minor, Latin  
Thesis, A Comparison of the Realism  
of Champfleury and of Henri  
Murger in Their Novels Depicting  
Bohemian Life in Paris

EMMA HENDRICKSON

B.A. '32, Augsburg College  
Major, Education  
Minor, Philosophy  
Thesis, An Analysis of the Reading  
Interests of Pupils of University  
High School and John Marshall  
High School in Minneapolis

ROBERT OTTO HILLS

B.A. '25, Northern State Teachers  
College (Marquette, Michigan)  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Public School Finance of  
Ontonagon County (Upper Penin-  
sula, Michigan)

ARTHUR MYRON JENSEN

B.S. '28, University of Minnesota  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, Utilization of Secondary  
Schools in Two Harbors, Duluth,  
and the Iron Range

SIGURD JOHANSEN

B.A. '32, University of Minnesota  
Major, Sociology  
Minor, Economics  
Thesis, Trends in Farmers' Move-  
ments in Minnesota and Adjacent  
States

WATHENA MYERS JOHNSON

B.S. '31, University of Minnesota  
Major, Educational Psychology  
Minor, Preventive Medicine and  
Public Health  
Thesis, A Study on Perseveration in  
Relation to Learning and Memory

JOHN PARRY JONES

B.A. '32, University of Minnesota  
Major, History  
Minor, Philosophy  
Thesis, An Examination of the Con-  
troversy on Usury in the Sixteenth  
and Seventeenth Centuries

LOYD HARVEY KING

B.A. '28, Jamestown College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A County Survey of the Pub-  
lic Schools and Their Financing—  
Bottineau County, North Dakota

VERNON CECIL LINGREN

B.A. '30, University of Iowa  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, The Relative Instructional  
Values of Four Methods of Cor-  
recting Objective Tests in High  
School Chemistry



ELLA GENEVA LITCHFIELD

B.Ed. '32, Mankato State Teachers  
College

Major, English

Minor, American Literature

Thesis, The Life of Richard Henry  
Dana, Senior

MAUD BERTHA LOWEN

B.S. '27, University of Minnesota

Major, Education

Minor, English

Thesis, A Study of the Effect of  
Environment upon the Creative  
Ability in Poetry of Fourth Grade  
Children

LEONARD CARLTON FRAZER MURRAY

B.Ed. '27, Moorhead State Teachers  
College

Major, Educational Administration

Minor, Educational Psychology

Thesis, A Compilation of Commer-  
cially Available Teaching Aids and  
the Estimation of Their Worth by  
School Administrators and Teach-  
ers

THEODORE FRANKLIN NELSON

B.A. '27, Gustavus Adolphus College

Major, Educational Administration

Minor, English

Thesis, Methods of Conducting De-  
bate Activities in Illinois High  
Schools

HAROLD JULIAN SAND

B.Ed. '28, Moorhead State Teachers  
College

Major, Educational Administration

Minor, Educational Psychology

Thesis, An Analysis of Certain Fac-  
tors Pertaining to the "Teacher  
Load" in the Public Schools

ETHEL MAUD SAUPE

B.A. '25, Iowa State Teachers Col-  
lege

Major, Education

Minor, Mathematics

Thesis, The Instructional Load of  
Teachers in the Secondary Schools  
of Iowa, 1931-32

SISTER VIRGIL MICHEL

B.A. '15, University of Minnesota

Major, Education

Minor, German

Thesis, Prognosis in the Modern For-  
eign Language

DOROTHY MARLYNNE SMITH

B.Ed. '30, Oshkosh, Wis., State  
Teachers College

Major, Speech

Minor, English

Thesis, A Prompt Book and Produc-  
tion Thesis on Henrik Ibsen's  
"Ghosts" with a History of the  
Productions in Foreign Countries  
and the United States

HANNA CHARLOTTE STARK

B.A. '25, Carleton College

Major, Educational Administration

Minor, Education

Thesis, A Survey of the Present  
Practices in Educational and Vo-  
cational Guidance in North Dakota

ADA WALLROFF WARREN

B.S. '28, Spearfish, So. Dak., Normal  
School

Major, Education

Minor, History

Thesis, The Status and Work of  
Supervising Teachers in the West-  
ern Section of the North Central  
Area

## MASTERS OF SCIENCE

BENJAMIN MOSES AXILROD

B.E.E. '33, University of Minnesota  
Major, Physics  
Minor, Mathematics  
Thesis, A Comparative Study of the  
Classical and Wave-Mechanical  
Theories of Elastic Scattering of  
Electrons in Argon

ROSS AIKEN GORTNER, JR.

B.A. '33, University of Minnesota  
Major, Agricultural Biochemistry  
Minor, Zoology  
Thesis, The Relationship between the  
"Ammonia" Nitrogen and the Di-  
carboxylic Acids of Proteins

STEWART THOMAS BAUER

B.S. '32, University of Illinois  
Major, Organic Chemistry  
Minor, Agricultural Biochemistry  
Thesis, Dehalogenation of Phenyl-  
cyclohexene Dibromide

CHI-YING LIU

B.S. '29, University of Nanking  
Major, Entomology  
Minor, Zoology  
Thesis, A Systematic Study of the  
Siphonaptera of China

RONALD ELVYN CLARK

B.A. '33, Carleton College  
Major, Physical Chemistry  
Minor, Physics  
Thesis, Studies on Adsorption on  
Silica Gel in Liquid Ammonia

CARL OLSON, JR.

D.V.M. '31, Iowa State College  
Major, Pathology  
Minor, Physiology  
Thesis, A Study of Available Meth-  
ods for Examination of the Blood  
of the Fowl (*Gallus Domesticus*)

## MASTER OF SCIENCE

### *In Electrical Engineering*

ROBERT OZIAS HAXBY

B.E.E. '33, University of Minnesota  
Major, Electrical Engineering  
Minor, Mathematics  
Thesis, A Study of Circuits with Dis-  
tributed Constants

## MEDICAL SCHOOL

### DOCTOR OF MEDICINE

KENNETH LAWRENCE KELSEY

## GRADUATE SCHOOL

### DOCTORS OF PHILOSOPHY

JOHN LINDEN BEAL

B.S. '27, M.S. '29, University of Minnesota

Major, Chemical Engineering

Minor, Physical Chemistry

Thesis, Studies in the Electrolysis of Non-aqueous Solutions

Major Adviser, Prof. Charles A. Mann

ROBERT NEWELL JEFFREY

B.S. '29, M.S. '31, University of California

Major, Agricultural Biochemistry

Minor, Plant Physiology

Thesis, Studies on Photosynthesis

Major Advisers, Profs. G. O. Burr and R. A. Gortner

BEATRICE JEANNE DVORAK

B.A. '29, M.A. '30, University of Minnesota

Major, Psychology

Minor, Economics

Thesis, Differential Occupational Ability Patterns

Major Adviser, Prof. D. G. Paterson

SIDNEY EDWARD MILLER

B.S. '28, M.S. '30, University of Oklahoma

Major, Organic Chemistry

Minor, Physical Chemistry

Thesis, The Structure of Certain Azo Dyes and Related Compounds

Major Adviser, Prof. W. M. Lauer

CHARLES EINAR RIMPILA

B.S. '29, M.S. '31, University of Minnesota

Major, Agricultural Biochemistry

Minor, Dairy Husbandry

Thesis, Factors Influencing the Composition of the Adsorption Membrane around the Fat Globules in Cream

Major Adviser, Prof. L. S. Palmer

# University of Minnesota

**COMMENCEMENT CONVOCATION  
FALL QUARTER  
1934**



**NORTHROP MEMORIAL AUDITORIUM  
Thursday, December 20, 1934, Eleven-Fifteen O'Clock**

# PROGRAM

PRESIDENT LOTUS D. COFFMAN, Presiding

PROCESSIONAL—"Marche Cortege" - - - - *Gounod*

GEORGE H. FAIRCLOUGH

HYMN—"America"

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

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

COMMENCEMENT ADDRESS—

"The Rôle of an Educated Man in an Era of Social Changes"

ARTHUR J. TODD, Ph.D.

Professor of Sociology, Northwestern University

ORGAN SOLO—Pastorale "Gesù Bambino" - - - *Pietro Yon*

Fantasia on Old Christmas Carols - *Alan Gray*

GEORGE H. FAIRCLOUGH

CONFERRING OF DEGREES

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

President of the University

SONG—"Hail, Minnesota"

Minnesota, hail to thee!  
Hail to thee, our College dear!  
Thy light shall ever be  
A beacon bright and clear;  
Thy sons and daughters true  
Will proclaim thee near and far;  
They will guard thy fame  
And adore thy name;  
Thou shalt be their Northern Star.

Like the stream that bends to sea,  
Like the pine that seeks the blue!  
Minnesota, still for thee  
Thy sons are strong and true.  
From thy woods and waters fair,  
From thy prairies waving far,  
At thy call they throng,  
With their shout and song,  
Hailing thee their Northern Star.

RECESSIONAL—Finale in E flat - - - - - *Guilmant*

GEORGE H. FAIRCLOUGH

SMOKING

As a courtesy to those attending functions, and out of respect for the character of the building, be it resolved by the Board of Regents that there be printed in the programs of all functions held in the Cyrus Northrop Memorial Auditorium a request that smoking be confined to the lounge rooms which have been provided for the purpose.

## CANDIDATES FOR GRADUATION

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

### SCHOOL OF DENTISTRY

#### GRADUATE DENTAL HYGIENISTS

LEAH FRITZI GERBER  
GENEVIEVE E. NICKOLAY  
CAROL LORRAYNE OLSON

CATHRYN DOROTHY SCHAGUN  
EDITH STRAUSS  
ARLENE DOROTHY WALBOM

### GENERAL COLLEGE

#### ASSOCIATE IN ARTS

JAMES P. COLEMAN, JR.

### MEDICAL SCHOOL

#### GRADUATES IN NURSING

ANITA EUNICE BAKER  
FRANCES COLEMAN  
TERESA BARBARA GORNICK  
LILLIAN KATHERINE HESTAD  
HELEN E. HEUER

MARCELE RUTH HULLSTROM  
JANE MCCABE IRVINE  
SOLVEIG LOFTHEIM  
CHRISTIE MARIE TOSTENSON  
MARGARET S. WILLIAMS

### COLLEGE OF SCIENCE, LITERATURE, AND THE ARTS

#### BACHELORS OF ARTS

†*cum laude*

LAURENCE BERMAN

THELMA SNEED

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

## BACHELORS OF ARTS

JAMES ATWATER	ELIZABETH FLORA HAGLUND
EDGAR BURNELL BOLSTAD	JACK HARTMAN
NORMAN DANIEL CHRISTENSEN	EVA HINITZ
MOZAH EDITH GOLDBERG	JOHN COURTS JONES
HARVEY GOLDSTEIN	EDWARD WALLIN SANDERSON
GORDON JAMES GOODNOW	RENEE AUDREY SILBERMAN
MARY AGNES GORMLEY	SPENCER MOORHEAD WEEKS
	HENRY ZON

## BACHELORS OF SCIENCE

JANE McMULLEN DENNSTEDT	ELIZABETH ELINOR SHERMAN
HELEN ISABEL HOYT	MARY DRUSILLA TAYLOR

## COLLEGE OF ENGINEERING AND ARCHITECTURE AND SCHOOL OF CHEMISTRY

### BACHELORS OF AERONAUTICAL ENGINEERING

BERT ARTHUR FOULDS	HERBERT AUGUSTUS SWIFT
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### BACHELORS OF AGRICULTURAL ENGINEERING

SIGURD H. ANDERSON	ERNEST OLSEN
--------------------	--------------

### BACHELOR OF ARCHITECTURAL ENGINEERING

STEVEN PHILIP JURENES

### BACHELORS OF CIVIL ENGINEERING

VICTOR E. A. BOCK	HARRY MAYERON
CLARENCE JOSEPH ERB	SIDNEY ROBERT MITCHELL
ARVEL BURNELL KLESSIG	WILLIAM F. MYERS
JOSEPH KOROPOV	WOLFE SAGALOVITCH
	WALDO E. SOLSTAD

### BACHELORS OF ELECTRICAL ENGINEERING

FRANK RICHARD DRESSSEL	HOWARD JAMES SOWDEN
------------------------	---------------------

### BACHELORS OF MECHANICAL ENGINEERING

JACK N. ENTRIKIN	SIDNEY KARON
	ROBERT LEE RENZ



## BACHELORS OF ARCHITECTURE

PAUL HIRAM GROSZ

GALE THOMPSON KESLER

RALPH V. NYQUIST

## BACHELOR OF INTERIOR ARCHITECTURE

HARRIET LAURINE CHRISTENSON

## BACHELOR OF CHEMISTRY

MARIAN WINIFRED SEDIN

## BACHELOR OF CHEMICAL ENGINEERING

PAUL LIECHTY

## COLLEGE OF AGRICULTURE, FORESTRY, AND HOME ECONOMICS

### BACHELORS OF SCIENCE

†*with distinction*

*(Course in Agriculture)*

RALPH ERNEST COMSTOCK

CARL RAYMOND HOGLUND

*(Course in Agricultural Science)*

WENDELL LOUIS BARTHOLDI

### BACHELORS OF SCIENCE

*(Course in Agriculture)*

WARREN A. JOSEPHSON

CLIFFORD ELVIN LUKE

*(Course in Agricultural Science)*

MILTON F. KERNKAMP

JOHN OGNANOVICH

*(Course in Home Economics)*

JEAN L. ANDREWS

CECILLE MARIE GAGNON

HELEN MARGARET BJERKE

MILDRED HELEN GARRITY

MARGARET EVELYN DODDS

ELSIE MAE MATHIAS

IRMA GENEVIEVE EKSTROM

VIVIAN LEOTA ORY

EMMY LOU WENTZ

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

**MEDICAL SCHOOL**

**BACHELOR OF SCIENCE**

*†cum laude*

GLADYS JOCELYN DOWNEY

**BACHELORS OF SCIENCE**

KARL D'AUTREMONT ANDRESEN, B.A.	JAMES LYMAN JAECK
JOHN ALBERT BORAAS	GEORGE CHARLES KIMMEL, JR.
JOHN EDWARD BOYSEN	PRISCILLA BURBANK RITCHIE
ELIZABETH ENGEL	GERTRUDE SHARON SEIGEL
ELEANOR BEATRICE IVERSON, B.A., M.B.	BETTY JANE SMITH

**SCHOOL OF MINES AND METALLURGY**

**METALLURGICAL ENGINEER**

HARRY EUGENE CALDWELL, JR.

**COLLEGE OF PHARMACY**

**BACHELORS OF SCIENCE**

*In Pharmacy*

EMIL J. HOREJSI

LILLIAN L. KANNENBERG

**COLLEGE OF EDUCATION**

**BACHELOR OF SCIENCE**

*†with high distinction*

ERNA MARGARET RHEINBERGER

**BACHELORS OF SCIENCE**

*†with distinction*

FRANCES ANDRIETTA ANDERSON

ANASTASIA EGAN

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

## BACHELORS OF SCIENCE

ARENDA MARIE AABERG  
LOUISE ELANOR ANDERSON  
ANITA EUNICE BAKER  
MAXINE M. BAKER  
CATHERINE MARY BAYARD  
HATTIE V. BEARINGER  
EARL MAURICE BOWLER  
ANNIETTA BUDD  
SIDNEY RICHARD DANIELS  
DOROTHY ANNA FALK  
TERESA BARBARA GORNICK  
WINIFRED AGNES HART  
GRETCHEN HELEN HEADLEY  
ESTHER AMANDA JOHNSON  
PETER JOSEPH KNAUS

MARTHA ELEANORA LINDSTROM  
EVA MARIE MALONEY  
CATHERINE E. MANDLER  
SARAH E. MCGUIRE  
GEORGE BERNARD MORNICK  
VERONA E. REITER  
NATHAL ADELAIDE RIEDLER  
HULDA ADEL SCHEIB  
LEILA HARRIET SCONBERG  
MARION HELEN SMITH  
ROY CHARLES SNYDER  
CHRISTIE MARIE TOSTENSON  
BASIL G. WALKER  
MARGARET S. WILLIAMS  
FLORENCE DAVIS WITHERS

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

### BACHELORS OF SCIENCE

*(Course in Agriculture)*

THOMAS WILLIAM RAINE

*(Course in Home Economics)*

JENNIE MAE BARNES

ESTELLE MILDRED NELSON

EUNICE LEONA SNOOK

## SCHOOL OF BUSINESS ADMINISTRATION

### BACHELOR OF BUSINESS ADMINISTRATION

†*with distinction*

WALTER H. ROSS

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

## BACHELORS OF BUSINESS ADMINISTRATION

GRACE HAZEL ADAMS  
CARL ALBIN BERG  
MAURICE HAROLD BLUMENTHAL  
MERLIN DOUGLAS BURNES  
HENRY BAIRD DAVIS  
JOHN H. DOYLE  
RALPH WILLIAM FREIBERG  
THOMAS FRANCIS GILFOY  
CLIFFORD ROBERT HAGEN

ELSIE M. HILL  
RALPH HERMAN HUEBSCHER  
HELEN V. KANNE  
EDWARD V. LAHR, JR.  
EDWARD A. LARSON  
ALBERT JOHNSTON MEALEY  
LUTHER JAMES MOEN  
RUTH CHARLOTTE STALLAND  
OLAF CHRISTIAN THORPE, JR.

RALPH JENSBY VOSS

## UNIVERSITY COLLEGE

### BACHELOR OF ARTS

PAUL MILLIS SEGNER

## SCHOOL OF DENTISTRY

### DOCTORS OF DENTAL SURGERY

MORTIMER LEO HARRINGTON

STANLEY FREDERICK LUNDGREN

ROBERT JAMES WRIGHT, L.D.S.

## GRADUATE SCHOOL

### MASTERS OF ARTS

LOUIS VERNON CAINE

B.S. '27, Jamestown College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Critical Survey of the  
Hamlin County, South Dakota,  
School System and Its Reorgani-  
zation on the Basis of a County  
Unit Plan

MERRIL FRANCIS DISTAD

B.A. '31, Concordia College  
Major, Physics  
Minor, Mathematics  
Thesis, Electrometer Tube Ampli-  
fiers

ROBERT CLENDENING

B.A. '28, Leland Stanford Univer-  
sity  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Survey of the School Dis-  
tricts of Anoka County, Minnesota

TILDEN O. EVERSON

B.A. '23, Valley City Teachers Col-  
lege (North Dakota)  
Major, Education  
Minor, Sociology  
Thesis, A Study of Representative  
Courses for the Professional Edu-  
cation of Sociology Teachers

GRACE MARIE FELGAR

B.A. '23, Iowa Wesleyan College  
Major, English  
Minor, Romance Languages (French)  
Thesis, Samuel Foote's *The Maid of Bath: A Critical Edition*

JOHN CHARLES McDONALD

B.A. '32, Ripon College  
Major, Physics  
Minor, Mathematics  
Thesis, A Concave Crystal X-Ray Vacuum Spectrograph

HAROLD SAMUEL FREEMAN

B.A. '19, Morningside College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, A Study of the Expenditures of South Dakota School Systems That Maintain Accredited High Schools, 1931-1932

MAURICE EDWIN ODOROFF

B.S. '33, University of Minnesota  
Major, Educational Psychology  
Minor, Psychology  
Thesis, Visual Versus Aural Presentation in Standard Intelligence Tests under Varying Time Limits

ELIZABETH ANNE GRAVES

B.A. '34, University of Minnesota  
Major, Psychology  
Minor, Educational Psychology  
Thesis, The Effect of Competition and Reward on the Motor Performance of Pre-School Children

HARVEY FRANK JOSEPH WAGNER

B.S. '31, St. Thomas College  
Major, Educational Administration  
Minor, Economics  
Thesis, An Experimental Comparison of the Daily Assignment-Recitation and the Contract Methods of Teaching Bookkeeping in High School

ALEM L. HAGEN

B.A. '25, Concordia College  
Major, Educational Administration  
Minor, Educational Psychology  
Thesis, An Analysis of Administrative Problems in the Public Schools of McPherson County, South Dakota

JOSEPH HARTT WALSH

Ph.B. '27, Ripon College  
B.Ed. '27, Eau Claire State Teachers College (Wisconsin)  
Major, Educational Administration  
Minor, Sociology  
Thesis, Organization and Administration of School Attendance in Wisconsin Communities under 5,000

RUBY GEORGINE KARSTAD

B.A. '25, St. Olaf College  
Major, History  
Minor, Political Science  
Thesis, Political Party Alignments in Minnesota, 1854-1860

MABEL HOLMBERG WETTLESON

B.S. '23, University of Minnesota  
Major, Education  
Minor, English  
Thesis, An Analysis of the Usefulness of Single Item Tests for Diagnosis of Student Difficulty in English Usage

JULIA AGNES MAUS

B.S. '30, University of Minnesota  
Major, Education  
Minor, English  
Thesis, Teacher Training in English

HENRY WIENER

B.A. '33, University of Minnesota  
Major, Economics  
Minor, Political Science  
Thesis, The Regulation of Steam  
Railroads, Telephones and Street  
Railways in Minnesota

EDGAR FREDERICK WITTE

Graduate '19, Concordia Theological  
Seminary (St. Louis)  
Major, Sociology  
Minor, Psychology  
Thesis, A Study of the Relation of  
Social Workers to the Church

## MASTERS OF SCIENCE

LOEL HOWARD BETTS

B.S. in Pharm. '27, University of  
Minnesota  
Major, Pharmaceutical Chemistry  
Minor, Bacteriology  
Thesis, Colorimetric Determination of  
Bile Salts in Pharmaceutical Prepara-  
tions

ROBERT MILTON HOPPER

B.S.A. '21, University of Manitoba  
Major, Animal Husbandry  
Minor, Agricultural Economics  
Thesis, The Protein Supplement Re-  
quirement of the Cereal Grains  
When Fed to Growing Fattening  
Pigs

S. ARTHUR HARRIS

B.A. '31, University of Minnesota  
Major, Organic Chemistry  
Minor, Inorganic Chemistry  
Thesis, The Nitration of Penta-  
methylbenzene

HARRY GEORGE OBERMEYER

B.A. '33, Carleton College  
Major, Biochemistry  
Minor, Chemical Engineering  
Thesis, Thermal Fractionation of  
Starch

FREDERICK WILLIAM HOFFBAUER

B.S. '33, University of Minnesota  
Major, Physiology  
Minor, Physiologic Chemistry  
Thesis, The Influence of Diet on the  
Glucose Tolerance of the Normal  
Dog

SISTER JAMES AGNES FOGARTY

B.S. '31, College of St. Catherine  
Major, Home Economics  
Minor, Biochemistry  
Thesis, Press Fluid from Beef Muscle  
Heated to Different Temperatures

DAVID TENENBAUM

B.A. '32, University of Minnesota  
Major, Organic Chemistry  
Minor, Inorganic Chemistry  
Thesis, The Nitration of Bromdurene

## MASTERS OF SCIENCE

### *In Chemical Engineering*

GEORGE HAMA

B.Ch.E. '32, University of Minnesota  
Major, Chemical Engineering  
Minor, Bacteriology  
Thesis, A Comparison of Methods  
for Determining Combustible Ma-  
terial in Cinders

CLIFFORD THOMAS HULTIN

B.A. '25, Concordia College  
B.Ch.E. '31, University of Minnesota  
Major, Chemical Engineering  
Minor, Metallography  
Thesis, Organic Inhibition of Cor-  
rosion

## MASTER OF SCIENCE

### *In Mechanical Engineering*

CLARENCE EDWARD LUND

B.M.E. '33, University of Minnesota

Major, Mechanical Engineering  
(Heating and Ventilating)

Minor, Physics

Thesis, The Drying Characteristics  
of Wood Fibre Insulating Mate-  
rials

## MEDICAL SCHOOL

### BACHELORS OF MEDICINE

MARVIN EDWARD ADAMS, B.S.

RANDALL S. DERIFIELD

LEONARD S. ARLING

MARVIN JESSE ARTHUR MILLER, B.S.

CHARLES MORRIS BLUMENFELD, B.A.,  
M.A., Ph.D.

### DOCTORS OF MEDICINE

CHARLES MORRIS BLUMENFELD, B.A., \*DONALD EUGENE NEALY, B.S., M.B.  
M.A., Ph.D. DAVID POTEK, B.S., M.B.

GEORGE THEODORE A. LECLERCQ, B.S., EMILY L. RIPKA, B.A., B.S., M.B.  
M.B.

## GRADUATE SCHOOL

### MASTER OF SCIENCE

#### *In Pathology*

MARIA EVA HAUMEDER

M.D. '30, University of Vienna

Major, Pathology

Minor, Clinical Pathology

Thesis, A Comparative Morphological  
Study of Malignant and Non-  
Malignant Cells Especially with  
Relation to the Nuclei and Nucleoli

\* Degree conferred as of June 18, 1934.

## MASTER OF SCIENCE

### *In Proctology*

JOHN CALVIN MORRISON BRUST  
M.D. '29, Syracuse University  
Major, Proctology  
Minor, Pathology  
Thesis, Solitary Adenomata of the  
Rectum and Lower Sigmoid

## MASTERS OF SCIENCE

### *In Surgery*

THOMAS WRIGHT GOODWIN  
B.S. '26, M.D. '30, University of  
Georgia  
Major, Surgery  
Minor, Pathology  
Thesis, The Diurnal Cycle in the  
Liver during Pregnancy: An Ex-  
perimental Study

ROBERT LEE HARGRAVE  
B.S. '26, M.D. '28, Tulane Univer-  
sity  
M.A. '31, University of Minnesota  
Major, Surgery  
Minor, Pathology  
Thesis, Soft Tissue Fibrosarcoma of  
the Extremities

JAMES SUTHERLAND HIBBARD  
M.D. '29, University of Kansas  
Major, Surgery  
Minor, Physiology  
Thesis, A Study of the Gaseous Dis-  
tention Occurring in Mechanical  
Obstruction of the Intestine

CHRISTOPHER JOSEPH McCORMACK  
B.S. '26, M.D. '29, Yale University  
Major, Surgery  
Minor, Pathology  
Thesis, Biometric Studies of Endo-  
metrial Cells

PAUL FREDERICK OLSON  
B.A. '26, Luther College  
M.D. '32, Rush Medical College  
Major, Surgery  
Minor, Pathology  
Thesis, The Prognosis of Carcinoma  
of the Colon: A Pathological  
Study

LOUIS SPERLING  
B.S. '28, M.D. '31, University of  
Minnesota  
Major, Surgery  
Minor, Physiology  
Thesis, Rôle of the Iliocecal Sphinc-  
ter in Large Bowel Obstruction



## MASTER OF SCIENCE

### *In Urology*

JOHN LESTER EMMETT

B.A. '26, University of Utah

M.D., '31, Northwestern University

Major, Urology

Minor, Pathology

Thesis, The Quantitative Effects of  
Subarachnoid Injections of Clinical  
Doses of Procaine on the Sensory,  
Sympathetic and Motor Nerves

## DOCTORS OF PHILOSOPHY

ABE BERT BAKER

B.A. '28, B.S. '29, M.D. '31, M.S. '32,  
University of Minnesota

Major, Pathology

Minor, Bacteriology

Thesis, Hemorrhagic Encephalitis

Major Adviser, Dr. E. T. Bell

MILWARD LEVI BAYLISS

B.A. '29, M.S. '31, University of  
Minnesota

Major, Bacteriology

Minor, Agricultural Biochemistry

Thesis, A Study of the Effect of the  
Constitution of Soaps upon Their  
Germicidal and Detoxifying Prop-  
erties

Major Adviser, Dr. H. O. Halvorson

WALTER ODRÓ CRALLE

B.A. '15, M.A. '25, University of  
Oklahoma

Major, Sociology

Minor, Economics

Thesis, Social Change and Isolation  
in the Ozark Mountain Region of  
Missouri

Major Adviser, Dean M. M. Willey

WILEY WILLIAM CRAWFORD

B.A. '25, M.A. '28, University of  
Missouri

Major, Zoology

Minor, Entomology

Thesis, Studies on the Life History  
of Trematodes Transmitted through  
Odonata

Major Adviser, Prof. W. A. Riley

CHARLES MARVIN GATES

B.A. '26, Yale University

M.A. '28, Harvard University

Major, History

Minor, Political Science

Thesis, The Peace Negotiations be-  
tween Great Britain and the United  
States, 1812-1814

Major Adviser, Prof. L. B. Shippee

GEORGE MARTIN HASLERUD

B.A. '30, University of Minnesota

Major, Psychology

Minor, Biometry

Thesis, A Comparison of Free and  
Prescribed Maze Patterns of the  
Rat

Major Adviser, Prof. W. T. Heron

RUSSELL LOWELL JONES

B.A. '30, Westminster College  
M.S. '32, St. Louis University  
Major, Anatomy  
Minor, Zoology  
Thesis, The Structure of the Vagus  
and Glossopharyngeal Nerves  
Major Adviser, Dr. A. T. Rasmussen

EARL C. McCRACKEN

B.S. '18, Drake University  
M.S. '29, Iowa State College  
Major, Biophysics  
Minor, Physiology  
Thesis, Investigations Concerning the  
Circulation Time of the Blood in  
Dogs  
Major Adviser, Dr. Charles Sheard

MARTINUS JACOBUS OOSTHUIZEN

B.S.A. '30, University of South  
Africa  
M.S. '31, University of Minnesota  
Major, Entomology  
Minor, Biochemistry  
Thesis, The Effects of Heat upon In-  
sects, with Special Reference to  
the Control of Various Stages of  
Some Stored Product Pests  
Major Adviser, Prof. H. H. Shepard

PAUL ELMER QUINTUS

B.A. '28, Coe College  
M.S. '31, Iowa State College  
Major, Agricultural Economics  
Minor, General Economics  
Thesis, An Economic Analysis of the  
Twin City Milk Market  
Major Adviser, Prof. O. B. Jesness

OTTO RUDER YOUNGE

B.S.A. '24, M.S. '29, University of  
Alberta  
Major, Soils  
Minor, Botany  
Thesis, A Chemical Investigation of  
Peat Bogs in Mille Lacs and Kana-  
bec Counties, Minnesota  
Major Adviser, Prof. F. J. Alway

DOCTOR OF PHILOSOPHY

*In Medicine*

FREDERICK CRIST LENDRUM

B.A. '26, Ohio Wesleyan University  
M.D. '30, University of Michigan  
Major, Medicine  
Minor, Pathology  
Thesis, The Anatomical Features of  
the Cardiac Orifice of the Stomach  
Major Adviser, Dr. R. M. Wilder