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THIRTEENTH

ANNUAL & COMMENCEMENT

IOWA STATE COLLEGE

—OF—

Agriculture and Mechanic Arts,

COLLEGE CHAPEL,

WEDNESDAY, NOV. 12TH, '84,

AMES, IOWA.

Virtute et Labore Vincimus.

PROGRAMME.

INVOCATION.

MUSIC.

Ida May Waltz, - COLLEGE BAND.

Drainage and Sewerage,

JOHN E. DAUGHERTY, Montgomery Co.

Air Lines vs, Contour Lines,

F. L. PITMAN, - Taylor County.

Parasites of the Horse,

GEO. M. OSBORN, - Linn County.

Women as Workers,

FANNIE R. WILSON, - Keokuk County.

MUSIC.

Hail, Smiling Morn—Spofford, - CHOIR.

The Development of Evolutionary Thought,
W. P. DICKEY, - Polk County.

Agriculture as a Science,
ALBERT S. HITCHCOCK, - Story County.

Bi-Metallism,
EDNA BELL, - - Cedar County.

MUSIC.

Fantasie—Hesse—
MISSES ATHEARN AND KNAPP.

National Currency,
C. VINCENT, - - Mills County.

A Cantilever Bridge,
ALFRED WILLIAMS, - Monroe County.

Science and Poetry,
ADDIE RICE, - Buchanan County.

MUSIC.

I, eel— - COLLEGE GLEE CLUB.

❖CONFERRING DEGREES❖

Music—Piano and Organ Duett—Ketterer—
MISSSES ATHEARN AND POYNEER.

BENEDICTION.



CLASS OF '84.

GENERAL COURSE, B.Sc.

Bacon and his Era,

J. F. Armstrong, - Marshall County.

Bi-Metallism,

Edna Bell, - - Cedar County.

The Old and the New Education,

T. F. Bevington, - Story County.

Aqueous Agencies Modifying the Earth's Surface,

C. J. Clark, - Colorado. (State.)

A Study in Evolution,

W. P. Dickey, - Polk County.

Free Trade,

L. M. Garrett, - Polk County.

Daniel Webster and His Times,

Bayard T. Hainer, - Story County.

Before the French Revolution and After,
Hermine H. Hainer, Nebraska. (State.)

Old Metaphysics and New Psychology,
Anna E. Henry, - Story County.

Physepology and Mind,
Geo. B. Hibbs, - Polk County,

Science and Poetry,
Addie Rice, - Buchanan County.

Protection vs. Free Trade,
Chas. A. Sloan, - Taylor County.

National Currency,
C. Vincent, - Mills County.

The Literature of the Victorian Era,
Ione Weatherby, - Crawford County.

The Greek and English Drama,
W. J. Wicks, - Shelby County.

Carp Culture,
W. H. Wier, - Story County.

Women as Workers,
Fannie R. Wilson, - Keokuk County.

Course in Civil Engineering, B.C.E.

Water Supply of Cities and Towns.

Geo. R. Chatburn, - Shelby County.

Drainage and Sewerage,

John E. Daugherty, Kansas. (State.)

Substructure of Bridges,

J. W. Gill, - Missouri. (State.)

Strength of Wood,

E. J. Nichols, - Cerro Gordo County.

Air Lines vs. Contour Lines,

Fred L. Pitman, - Taylor County.

Tunneling,

Joe F. Porter, - Harrison County.

Bridge Details,

Geo. W. Thompson, - Guthrie County.

A Cantilever Bridge,

Alfred Williams, - Monroe County.

Natural and Artificial Building Stone,

G. W. Wormley, - Jasper County.

Course in Agriculture, B.S.A.

Agriculture as a Science,

Albert S. Hitchcock, - Story County.

The Hive-Bee in History,

F. A. Huntley, - Hamilton County.

The Soil of Iowa,

F. L. Lambert, - Floyd County.

The Development of Fruit Buds,

N Vincent, - Mills County.

Course in Veterinary Science, D.V.M.

Anthrax,

W. E. D. Morrison, - Story County.

Parasites of the Horse,

Geo. M. Osborn, - Linn County.

POST GRADUATE.

Department of Philosophy, M.Ph.

The New Education,

C. H. McGrew, - Keokuk County.

'84



Cornell Agricultural College

The Senior Class request your presence at their

CLASS DAY

and

COMMENCEMENT EXERCISES

NOVEMBER 11TH AND 12TH, 1884.

EXERCISES OF

Commencement Week.

Society Graduations:-

Saturday Evening, Nov. 8, 7:30 p. m.

Baccalaureate Discourse:-

Sunday, Nov. 9, 2 p. m.

BY PRESIDENT KNAPP.

Class Day Exercises:-

Tuesday, Nov. 11, 2 p. m.

Address before Trustees:-

Tuesday Evening, Nov. 11, 7:30 p. m.

BY HON. WM. W. FOLWELL, L.L.D.,

PRESIDENT UNIVERSITY OF MINNESOTA.

Subject, : "Civic Education."

Commencement Day:-

Wednesday, November 12.

Virtute et Labore Vincemus.