

COMMENCEMENT

OF THE

IOWA STATE

AGRICULTURAL

COLLEGE.

Wednesday, November 8th, 1893.

COMMENCEMENT PROGRAM

College Chapel, 9 A. M.

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INVOCATION.

MUSIC.

Alene Chestek, Canned Fruits and their Adulterations
(Abstract from Thesis.)

Geo. A. Ketterer, - Life Work of Leibig
(Paper.)

D. G. Cooper, - Antiseptics in Veterinary Surgery
(Abstract from Thesis.)

Bert R. Benjamin, - - Virtue in Politics
(Oration.)

MUSIC.

Jessie B. Hudson, - Value as viewed by the Bastiat
School of Economy. (Abstract from Thesis.)

C. E. Brown, - Biography of Joseph Henry

Evelyn Starr, - Enfranchisement of Industry
(Abstract from Thesis.)

MUSIC.

Fred L. Kent, Development of Agricultural Literature
(Abstract from Thesis.)

G. A. Kuehl, Relation of Civil Engineering to Society
(Oration.)

Florence Parkhill, Relation of Mathematics to Physical
and Social Science. (Abstract from Thesis.)

MUSIC.

Address to the Junior Class by the President of the
Board of Trustees.

Response for the Class, - Annie Fleming

CONFERRING OF DEGREES.

BENEDICTION.

GRADUATES

Courses of Study and Topics of Theses.

AGRICULTURAL COURSE.

- E. E. Faville, The Drainage System of the I. A. College Athletic Grounds
R. H. Fairfield, An Ideal Dairy.
F. L. Kent, Development of Agricultural Literature.
Clark White, The Legumes; Their Place in Iowa Farm Economy.

VETERINARY COURSE.

- D. G. Cooper, Antiseptics in Veterinary Surgery.
C. M. Day, A Bacteriological Study of Equine Fistula
J. H. Gasson, Texas Fever.
Willis Lincoln, Cathartics Suitable for Hypodermic Injection.
C. A. McCall and J. H. Patton, Bacteriological Examination of Water and Methods of Purification.
F. B. McCall, A Study of the Transmission of Actinomyces by Experimental Inoculation.
F. S. Tufts, Tuberculosis.
B. F. White, Bacteriological Examination of Milk and Its Relation to public Hygiene.

COURSE IN MECHANICAL ENGINEERING.

- Bert Benjamin and E. C. Boutelle, Experiments With a Drill Press Dynamometer.
R. Hodgkins and E. J. Kearney, Efficiency Test of an Oil Separator.
I. J. Merrill, The Vertical Pressure on a Planer Tool Point.

ELECTRICAL ENGINEERING.

- C. E. Brown, The Relation of Hardening Temperature and Quenching Bath to permanent Magnetic Moment in Steel
B. W. Manville and C. E. Hart, Storage Batteries.
C. K. Munns and Roscoe G. Rice, Tests of Primary Batteries.

COURSE IN CIVIL ENGINEERING.

- F. W. Austin, The Block System of Signals and Interlocking Switches.
Leroy Guernsey, - - - Bridge Inspection
W. E. Herring, - - - Cable Railways
G. A. Kuehl, - The Economic Theory of Railway Location
G. E. McKim, - Test of Expansion of Rollers

COURSE IN SCIENCES RELATED TO THE INDUSTRIES.

Earl Douglas.	The so called Buffalo Wallows of South Dakota
E. M. Duroe,	- - - - - Ancient Trade Corporations
E. F. Green,	- - - - - Julius Caesar
W. E. Harriman,	- - - - - The Brain of the Pocket Gopher
G. W. Hursey,	- - - - - Lowells Political Poems
Jessie Hudson	- - - - - Value
Jno. A. James,	- - - - - Appendicitis
J. F. Jones and C. L. Miles,	Use and Distribution of Medicinal plants of Iowa.
G. A. Ketterer and E. E. Smith,	A Comparison of Keldahl's Methods with that of Stock for the determining of Nitrogen In Organic Substances.
Willard C. Lusk,	An Investigation into the Variation of the ratio of Silver to Gold: and the causes for the Variation.
J. A. Maguire,	- - - - - Policy of Gold Mono Metallism
P. J. Maguire,	- - - - - Paper Money
H. H. Nichols,	- - - - - The Ptomaines
Lavenia Price,	- - - - - Political work of John Wyclif
W. G. Rundall,	- - - - - Unproductive Consumption
M. Belle Wentch,	- - - - - On some Heterocismal Uredineae

LADIES' COURSE.

Miss Alene Chestek,	Canned Fruits and Their Adulteration
Miss Virginia Corbett,	The Faust Legend in Literature.
Miss Margaret I. Gifford,	The Chemical Composition and Physi- ological Effects of Non-Alcoholic Beverages.
Miss Jennie Downing,	Ethics of Self Culture.
Miss Kate Farr,	The Iowa Coal Measures.
Miss Jessie B. Hudson,	Value.
Miss Grace Mills,	The Lost Colony.
Miss Ella B. Morton,	The Economic Condition of Japan.
Florence G. Parkhill,	Relation of Mathematics to Physical and Social Science.
Miss Helen Radnich,	John Brown in Kansas.
Miss Mary C. Rolfs,	Pollination of the Liliaceae.
Evelyn Starr,	History of the Enfranchisement of Industry
Miss Vinnie Williams,	The Earth Worm.

