

COMMENCEMENT

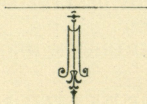


OF THE

IOWA STATE AGRICULTURAL COLLEGE,

Wednesday, November 11th,

1891.



Commencement Program,

COLLEGE CHAPEL, 9:30 A. M.

PRAYER.

MUSIC.

Piano Solo, - - - *Gondolied Osten,*
MISS EDITH RYAN.

G. L. CHRISTY, - - - Bridge Design.
W. C. JONES, A Review of Mechanical Engineering.
J. F. SCHULTE, - - - History of Chemistry.

MUSIC.

Song, "Flight of the Birds," *Hodge,*
MISS CLARICE M'CARTHY.

F. J. BOWNE, The Management and Operation of a
Railroad. (Abstract from Thesis.)

SARAH T. BARROWS, Gæthe as a Poet, Scientist and
Philosopher.

N. SORENSON, - - - Some Advances in Comparative
Medicine.

R. M. DYER, - - - Power Transmission.

MUSIC.

Song, "Tell Her I Love Her So," *DeFaye,*
MISS JENNIE MORRISON.

W. D. STEELE, Utilization of the Power of Niagara
Falls.

B. N. MOSS, - - - Sewers and Sewerage.

J. H. SHEPPERD, - - - The Beet Sugar Industry.

MUSIC.



Vocal Duet, "Crimson Glow," *Root,*

MISSSES GIFFORD AND GARTH.

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

Response for the Class, - - - VINCENT ZMUNT.

CONFERRING OF DEGREES.


BENEDICTION.


GRADUATES, COURSES OF STUDY AND TOPICS OF THESES AND ORATIONS.



Agricultural Course.



J. H. Shepperd, - The Beet Sugar Industry.

Course in Veterinary Science.



W. H. Austin,	-	-	-	-	-	Azoturea.
W. A. Heck,	-	-	-	-	-	Meat Inspection.
W. A. McClanahan,	-	-	-	-	-	Cannabis Indica.
N. Sorenson,	-	-	-	-	-	Some Advances in Comparative Medicine.
G. F. Starkey,	-	-	-	-	-	Hog Cholera.
S. Whitbeck,	-	-	-	-	-	The Microbes of Pus.
P. M. Wilson,	-	-	-	-	-	Anthrax.

Course in Mechanical Engineering.



D. M. Carter,	-	-	-	-	-	Comparative Test of a Water Meter and a Wier.
R. M. Dyer,	-	-	-	-	-	Power Transmission.
W. C. Jones,	-	-	-	-	-	A Comparative Test of Some Injectors.
L. D. McNaughton,	-	-	-	-	-	Discussion of a Central Steam Heating Plant for the I. A. C.
W. D. Steele,	-	-	-	-	-	A Comparative Test of Some Injectors.
W. C. Swift,	-	-	-	-	-	A Determination of the Error of Indicator Springs, Hot and Cold.

Course in Civil Engineering.



G. S. Angus,	-	-	-	-	-	Roof Trusses.
F. J. Bowne,	-	-	-	-	-	Management and Operation of a Railroad.
G. L. Christy,	-	-	-	-	-	Design for a Bridge Across the Des Moines River at Walnut Street, Des Moines.
R. E. Hinds,	-	-	-	-	-	Location and Survey of the I. A. C. & O. Ry.
W. H. Jackson,	-	-	-	-	-	Water Supply for the Iowa Agr'l College.
J. H. Moore,	-	-	-	-	-	Location and Survey of the I. A. C. & O. Ry.
B. N. Moss,	-	-	-	-	-	Design of a Sewer System for the I. A. C. Buildings and Grounds.

B. F. Shaum, Investigation for an Artificial Lake on the
College Grounds.

Course in Sciences as Related to the Industries.



C. A. Ballreich, Development of Municipal Governments
in the U. S.
C. C. Clark, Development of the Churches of the U. S.
W. H. Heileman, Tea, its Adulteration and Tannin and their
Physiological Effects.
R. F. Hodson, - - - Irish Land Question.
E. P. Hudson, - - - - - Credit.
T. B. Hutton, Comparative Study of Legislative Bodies.
C. W. Johnson, - - - Farm Drainage in Iowa.
E. S. King, Carbon and its Effects on Iron and Steel.
E. C. Oggel, - A Comparison of two Great Captains
of Antiquity.
J. F. Schulte, The Analysis of Sugar and a Particular Con-
sideration of Fehling's Solution with
Special Reference to the end Reaction.
F. A. Sirrine, A Study of the Willow Plant Louse (Melan-
oxanthus Calicis.)
J. E. Spaan, - The History of Education in the U. S.
D. A. Thornburg, - - - The Wage Earner.

Ladies' Course.



Sadie Barrows, Goethe as Poet, Scientist and Philosopher.
May Cottrell, - Industrial Condition of Women.
Nellie King, The Rise and Growth of our Mother Tongue.
Mary A. Nichols, Civil Service, Origin and Development.

