

▷COMMENCEMENT◁

>OF THE<

IOWA STATE COLLEGE

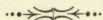
>OF<

Agriculture & Mechanic Arts.



Wednesday, November 9, 1887.

LIST OF CANDIDATES FOR DEGREES, WITH TOPICS OF THESES.



*I. Bachelors of Civil Engineering.*

C. M. CANADY, Railway Location.	Boone Co.
W. H. FRATER, Rails and their Connections.	Cedar Co.
G. S. C VIER, Arch Architecture.	Henry Co.
O. E. MCCARTY, Railway Bridges and Trestlework.	Jasper Co.
J. B. PAXTON, Roof Construction.	Lyon Co.
J. A. PERLEY, The Cantilever Bridge.	Jones Co.

*II. Bachelors of Mechanical Engineering.*

G. R. RANDALL, The Worthington Pumping Engine.	Illinois.
G. L. SCHERMERHORN, High Speed Engines.	Greene Co.

*III. Bachelors of Scientific Agriculture.*

S. A. BEACH, The Pollen of Woody Plants.	Story Co.
G. H. COLTON, The Surroundings of a Farm Home.	Bremer Co.
C. F. CURTISS, The Nutritive Value of Food Plants consumed by Domestic Animals.	Story Co.
C. L. SPENCER, Feeding Cattle for Growth.	Ohio.
G. W. STUTZ, Propagation of Ligneous Plants.	Boone Co.

*IV. Doctors of Veterinary Medicine.*

G. Z. BARNES, Influence of Contagious Diseases on the Health and Wealth of the Nation.	Marshall Co.
R. C. BENNETT, Cinchona and its Alkaloids.	Polk Co.
E BESSER, Cocaine.	Keokuk Co.
C. A. CARY, Methods by which Contagious Diseases are Communicated.	Iowa Co.
C. FERGUSON, Fractures and their Modes of Treatment.	Keokuk Co.
F. H. GRAVES, The Actions of Medicines.	Story Co.
F. W. HOSKINS, Sporadic Pneumonia.	Buena Vista Co.
W. S. IGO, Diseases of the Stomach and Intestines of the Horse.	Warren Co.
L. G. PATTY, Anaesthesia and Anaesthetics.	Carroll Co.



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|--|---------------|
| R. P. THURTLÉ,   | Polk Co.      |
| Clinical Examination of the Horse, and Requirements for a Certificate<br>of Soundness. |               |
| J. TILLIE,   | Dickinson Co. |
| Veterinary Sanitary Science and Police.  |               |
| J. W. WILSON,  | Tama Co.      |
| Relation of Veterinary Science to Agriculture.   |               |

### *V. Bachelors of Letters.*

- |                                  |              |
|----------------------------------|--------------|
| EMMA I. CASEY,                   | Keokuk Co.   |
| Intellect in the Lower Animals.  |              |
| ESTHER CRAWFORD,                 | Harrison Co. |
| Psychology and Education.        |              |
| OLLIE M. WILSON,                 | Keokuk Co.   |
| Growth and Progress of Painting. |              |

### *VI. Bachelors of Science.*

- |   |               |
|---|---------------|
| E. J. CHRISTIE,   | Benton Co.    |
| Chemistry of the Blood.   |               |
| S. B. CLARK,  | Story Co.     |
| Life Histories of the Coccinellidae.  |               |
| C. J. COTEY,  | Story Co.     |
| Growth of the Graphic Art.  |               |
| A. C. FELT,   | Benton Co.    |
| Evidences of a Supreme Intelligence.  |               |
| NORMA HAINER,   | Hamilton Co.  |
| The Structure of Teeth.   |               |
| N. E. HANSEN,   | Polk Co.      |
| The Crossing and Hybridizing of Fruits.                                       |               |
| L. V. HARPEL,   | Polk Co.      |
| Banking in the United States.   |               |
| E. A. KIRKPATRICK,  | Marshall Co.  |
| Advantages of Protection to Labor and the Industries of the United<br>States. |               |
| F. W. MALLEY,   | Polk Co.      |
| The Theory of Rent.   |               |
| A. E. OSBORN,   | Blackhawk Co. |
| Mental Responsibility in Disease.   |               |
| W. PETERSON,  | Webster Co.   |
| Origin of Language.   |               |

### *Master of Scientific Agriculture.*

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|-------------------------|-----------|
| F. S. SCHOENLEBER,      | Story Co. |
| Scientific Agriculture. |           |

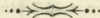
### *Master of Science.*

- |                         |           |
|-------------------------|-----------|
| G. F. GOODNO,           | Story Co. |
| A Study in Animal Fats. |           |

### *Candidates for Certificates.*

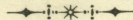
- |                                |             |
|--------------------------------|-------------|
| In Horticulture.               |             |
| I. CRAIG,                      | Story Co.   |
| Climatic Adaptation of Plants. |             |
| In Mechanical Engineering.     |             |
| M. M. MENDENHALL,              | Mahaska Co. |
| The Locomotive.                |             |

→PROGRAM←



PRAYER.

- Music*, - - - - *College Orchestra.*
- Banking in the United States ; L. V. HARPEL, Sheldahl. 7
- Intellect in the Lower Animals ; EMMA CASEY, What Cheer. 10
- Music—Twelfth Rhapsody*, - - - - *Listz.*  
MARGUERITE GAFF, CINCINNATI, OHIO.
- Mental Responsibility in Disease ; A. E. OSBORN, Laporte City. 6
- Railway Location ; C. M. CANADY, Zenorsville. 9
- Methods by which Contagious Diseases are Communicated ; C. A. CARY, Millersburg. 8
- Music—Jewel Song, from "Faust,"* - *Gounod.*  
WINNIE ANDERSON, JEFFERSON.
- The Pollen of Woody Plants ; S. A. BEACH, Ames. 1
- High Speed Engines ; G. L. SCHERMERHORN, Jefferson. 4
- Psychology and Education ; ESTHER CRAWFORD, Missouri Valley. 3
- Music—Allegro from E Major Concerto*, - *Beethoven.*  
JENNIE WESTERMAN, AMES.
- Arch Architecture ; G. S. GOVIER, Mt. Pleasant. 2
- Advantages of Protection to Labor and the Industries of the United States ; E. A. KIRKPATRICK, Rhodes. 5
- Music—Hallelujah Chorus, from "Messiah,"* - *Handel.*  
COLLEGE CHOIR.



DEGREES CONFERRED.

BENEDICTION.





# IOWA AGRICULTURAL COLLEGE



THE CLASS OF '87



invites  
you to be present  
at the

COMMENCEMENT EXERCISES  
November Fifth to Ninth, 1887  
COLLEGE CHAPEL

# Attempt and Accomplish.



## General Course,

<i>E. J. Christie,</i>	<i>Norma E. Hainer,</i>
<i>S. B. Clark,</i>	<i>L. V. Harpel,</i>
<i>C. J. Cotey,</i>	<i>E. A. Kirkpatrick,</i>
<i>A. C. Felt,</i>	<i>F. W. Mally,</i>
<i>A. E. Osborn,</i>	<i>W. Peterson.</i>

## General Course for Ladies,

<i>Emma I. Casey,</i>	<i>Esther Crawford,</i>
	<i>Ollie M. Wilson.</i>

## Course in Agriculture,

<i>S. A. Beach,</i>	<i>N. E. Hansen,</i>
<i>G. H. Colton,</i>	<i>C. L. Spencer,</i>
<i>C. F. Curtiss,</i>	<i>G. W. Sturtz.</i>

## Course in Mechanical Engineering.

<i>M. M. Mendenhall,</i>	<i>G. R. Randall,</i>
	<i>G. L. Schermerhorn.</i>

## Course in Civil Engineering,

<i>C. M. Canady,</i>	<i>O. E. McCarty,</i>
<i>W. H. Frater,</i>	<i>J. Paxton,</i>
<i>G. S. Govier,</i>	<i>J. A. Perley.</i>

## Course in Veterinary Science,

<i>G. Z. Barnes,</i>	<i>F. W. Hoskins,</i>
<i>R. C. Bennett,</i>	<i>W. S. Igo,</i>
<i>E. Besser,</i>	<i>L. G. Patty,</i>
<i>C. A. Cary, B. Sc.</i>	<i>R. P. Thurtle,</i>
<i>C. Ferguson,</i>	<i>J. Tillie,</i>
<i>F. H. Graves,</i>	<i>J. W. Wilson.</i>

## Special Course in Horticulture, (Certificate.)

*J. Craig.*