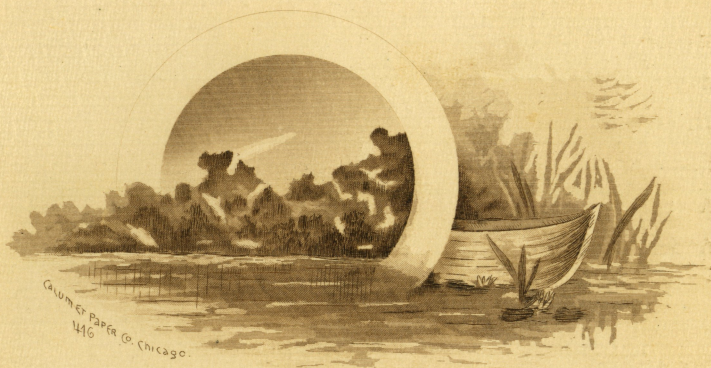


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Iowa State College Library

Commencement

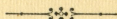
State Agricultural College,



Iowa State College Library

Ames, Ia., November 13, 1889.

GRADUATES AND TOPICS.



I. The Course in Science and Agriculture.

JAMES A. BAKER,	Marshall County
<i>"Monumentum Aere Perennius."</i>	
SAMUEL W. BEYER,	Worth County
<i>The Decline of Supernaturalism in Europe.</i>	
DERWARD B. BISBEE,	Story County
<i>Aniline.</i>	
WILLIAM B. BUDROW,	Boone County
<i>Government and the Industries.</i>	
HERBETT W. CHAMBERLAIN,	Story County
<i>Stoicism a Fore-runner of Christianity.</i>	
JOSEPH E. DURKEE,	Floyd County
<i>Christianity and Liberty the World's Conquerors.</i>	
HARRY A. GOSSARD,	Story County
<i>The Origin and Descent of Life.</i>	
BURTIS T. GREEN,	Lynn County
<i>The Existence of Soul and Deity.</i>	
WILLIAM R. HENSEN,	Crawford County
<i>The Variability of Maize.</i>	
JAMES A. KELSEY,	Harrison County
<i>Leaf-blight and Cracking of the Pear, (Entomosporium Maculatum)</i>	
ALBERT MCCLELLAND,	Polk County
<i>The Apple-scab, (Fusicladium Dendriticum).</i>	
ANGUS A. MCLAUGHLIN,	Hamilton County
<i>Civil Service Reform.</i>	
JOHN A. MEISSNER,	Grundy County
<i>Can Modern Trusts be Justified? Negative.</i>	
SEWARD MORRIS,	Adams County
<i>The Leaf-spot Disease of the Cherry, (Cylindrosporium Padi).</i>	
IRA A. NICHOLS,	Carroll County
<i>Advantages of the Competitive System.</i>	
P. HENRY ROLFS,	Scott County
<i>Some Facts About Puccinia.</i>	
WILLIAM U. SCOTT,	Story County
<i>The Paralysis of the Faculty of Indignation.</i>	
JOHN A. SHELTON,	Jefferson County
<i>The Continuity of the English Constitution.</i>	
WILLIAM R. SHOEMAKER,	Mascatine County
<i>The Development of Astronomy.</i>	
VIRGIL SNIDER,	Scott County
<i>Can Modern Trusts be Justified? Affirmative.</i>	
CHARLES H. STEARNS,	Story County
<i>Party Government.</i>	
JOHN S. STROUD,	Dallas County
<i>The Founder of Scientific Agriculture.</i>	
MATHEW W. THORNBURG,	Guthrie County
<i>Recent Sources of Ancient History.</i>	
CHARLES M. WADE,	Cedar County
<i>Chemistry as a Civilizing Force.</i>	

II. The Course for Ladies.

NELLIE JOHNSON,	- - - - -	Sioux County
<i>The Nibelungenlied.</i>		
BELLE NEWELL,	- - - - -	Dallas County
<i>Our Mother Tongue.</i>		
ROSALIA THURLIMAN,	- - - - -	Story County
<i>Scripture as Related to Religion.</i>		
MARY C. ZIMBLEMAN,	- - - - -	Boone County
<i>The Differential and Integral Calculus.</i>		

III. The Course in Mechanical Engineering.

HARRY B. DAY,	- - - - -	Polk County
<i>A Trial Test of the Des Moines Electric Railway.</i>		
A. LOUIS GRAHAM,	- - - - -	Cass County
<i>An Autographical Recording Attachment to a Machine for Testing Metals.</i>		
CLEMENT F. KIMBALL,	- - - - -	Jones County
<i>A Practical Testing Laboratory.</i>		
JOHN SHOENLEBER,	- - - - -	Montgomery County
<i>A Trial Test of the Des Moines Electric Railway.</i>		

IV. The Course in Civil Engineering.

J. EDWIN BANKS,	- - - - -	Marion County
<i>Design of a Steel Cantilever Bridge.</i>		
FRANK H. COOLEY,	- - - - -	Madison County
<i>Design of an Iron Swing-bridge.</i>		
CHARLES W. LAMBORN,	- - - - -	Montgomery County
<i>Design of an Iron Swing-bridge.</i>		
WILLIAM U. RICKARD,	- - - - -	Humboldt County
<i>Design of a Steel Cantilever Bridge.</i>		
PALMER W. STARR,	- - - - -	Pottawattamie County
<i>The Water Supply of Cities.</i>		

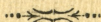
V. The Course in Veterinary Science.

CHARLES A. ASHWORTH,	- - - - -	Polk County
<i>A Microscopical Study of the Seed Coats of Crotalaria Sagittalis and Astragalus Mollissimus, and their Effects on Animals.</i>		
ABRAHAM E. D. BOUSQUET,	- - - - -	Marion County
<i>Tuberculosis.</i>		
JOHN MCBIRNEY,	- - - - -	Grundy County
<i>Actinomycoosis.</i>		
SOFUS B. NELSON,	- - - - -	Pottawattamie County
<i>Metallic Poisons.</i>		
JOHN H. PLATT,	- - - - -	Poweshiek County
<i>Rabies.</i>		
MYRON H. REYNOLDS,	- - - - -	Benton County
<i>Lobar, or Croupous Pneumonia.</i>		
JOSEPH O. SIMCOKE,	- - - - -	Adair County
<i>Physostigma Venenosum.</i>		

VI. Post-Graduates.

EDWIN A. KIRKPATRICK, B. Sc.,	- - - - -	Story County
<i>The Psychological Basis of Education.</i>		
FREDERICK W. MALLY, B. Sc.,	- - - - -	Polk County
<i>Embryology and Life History of Monostegia Ignota, Norton.</i>		
E. S. RICHMAN, B. S. A.,	- - - - -	Arkansas
<i>Native Fruits of Arkansas.</i>		

PROGRAM.



COLLEGE CHAPEL 10 A. M.

PRAYER.

MUSIC—Mighty Jehovah, - - - - - Bellini

College Choir, Solo by J. H. Platt.

A Practical Testing Laboratory, - - - - - Clement S. Kimball, Anamosa

The Origin and Descent of Life, - - - - - Harry A. Gossard, Ames

MUSIC—Old King Coul, - - - - - Edes

Q. B. X. Quartet.

The Differential and Integral Calculus, - - - - - Mary C. Zimbelman, Boone

The Water Supply of Cities, - - - - - Palmer W. Starr, Carson

A Microscopical Study of the Seed Coats of *Crotalaria Sagittalis* and
Astragalus Mollisissimus, and their Effects on Animals,

- - - - - Charles A. Ashworth, Ashawa

MUSIC—The Lost Chord, - - - - - Sullivan

Philomela Club.

The Nicaragua Canal, - - - - - Charles W. Lamborn, Elliott

The Steel Cantilever Bridge, - - - - - J. Edwin Banks, Knoxville

Government and the Industries,, - - - - - William B. Budrow, Ogden

MUSIC—What her Fan Says, - - - - - Thayer

Cecilia Quartet.

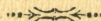
The Developement of Astronomy, - - - - - William R. Shoemaker, Muscatine

Agnosticism, - - - - - Frank H. Cooley, Truro

MUSIC— - - - - I. A. C. Glee Club

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

Response for the Class, - - - - - By R. W. Olmsted



DECREES CONFERRED.

BENEDICTION.

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I62 Iowa State College Library

Iowa State Agricultural College.

AMES, IOWA, NOVEMBER 1st, 1889.

You are cordially invited to attend the Exercises of

Commencement & Week.

From Wednesday, November 6th, to Wednesday, November 13th, 1889, as given on the reverse of this card.

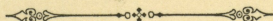
W. I. CHAMBERLAIN, President.

FOR THE TRUSTEES AND FACULTY OF THE COLLEGE

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COMMENCEMENT & WEEK.

NOV. 6TH, TO NOV. 13TH, 1889.



EXERCISES WITH DATE AND HOUR.

- WEDNESDAY, 6th; 4, P. M., Competitive Military Drill.
- NOVEMBER 6th TO 12th, Regular Term Examinations of the Classes.
- ERIDAY, 8th; 4, P. M., Prize Military Review and Inspection.
- FRIDAY, 8th; 7:30, P. M., Dramatic Recital; Department of Oratory.
- SATURDAY, 9th; 2, P. M., Athletic Contests; I. A. C. Athletic Association.
- SATURDAY, 9th; 7:30 P. M., Joint Anniversary Exercises of the Literary Societies.
- SUNDAY, 10th; 2:30, P. M., Baccalaureate Sermon; President Chamberlain.
- SUNDAY, 10th; 7:30 P. M., Farewell Exercises; Young People's Christian Association.
- MONDAY, 11th; 9, A. M. AND 2, P. M., Presentation of Orations and Theses before the Trustees.
- MONDAY, 11th; 7:30, P. M., Literary Exercises of the Alumni Association.
- TUESDAY, 12th; 2, P. M., Senior Class-Day Exercises.
- TUESDAY, 12th; 7, P. M., Address before the Trustees; President D. S. Jordan, Indiana University.
- TUESDAY, 12th; 8:30, P. M., President's Reception to the Seniors and their Friends.
- WEDNESDAY, 13th; 10, A. M.,

Regular Commencement Exercises.