

**ANNUAL COMMENCEMENT**

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**CLASS OF 1902**

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**Iowa State College**

**of Agriculture and Mechanic Arts**

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**College Chapel, Ames, Iowa**

**June 11, 7:30 P. M.**

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**1 9 0 2**



## PROGRAM

### Invocation

*Selected*

Organ Solo

Mrs. Resler

Address to the Trustees and Graduating Class  
by Hon. R. H. Jesse, LL. D., President  
Missouri State University, Columbia,  
Missouri.

*Thomas*

"Noontide Heat is Long Passed Over"—Duet

Prof. Resler and Mr. Usry

Promotion of Juniors by Hon. J. B. Hungerford,  
President Board of Trustees.

Response in Behalf of the Juniors—A. E. Elder

*Trotter*

"Marching"

Prof. Resler and L. S. C. Glee Club

Conferring of Degrees—President W. M.  
Beardshear.

## Subjects of Theses in the Graduate and Post Graduate Courses for June 11, 1902.

### DIVISION OF AGRICULTURE

- BELL, JESSE D.—The Economic Value of the Cottonwood in the West.  
BROWN, FRANKLIN—Native Plums for Central Iowa.  
FRANDSON, J. H.—Chemical Composition of Linseed Meals.  
HANGER, S. M.—Irrigation as It Affects the Soil.  
LARSEN, C.—Chemical Changes in Cream During Ripening.  
MCCLURE, HARRY B.—Moisture in Butter.  
REW, N. C.—Application of Power to Farm Operations.  
WARBURTON, C. W.—Some Experiments with Hydrocyanic Acid Gas as a  
Greenhouse Fumigant.

### DIVISION OF VETERINARY MEDICINE

- AHLERS, F. R.; MARTIN, C. G.—Practical Asepsis and Antisepsis in Veterinary Surgery.  
BALDWIN, ARTHUR F.; MILLER, WALTER E.—Femero-popliteal and Deep Peroneal Neurectomies.  
BLANCHE, G. W.; BOWER, W. C.—Pathological Alterations of Spavin with Special Reference to the Bones Involved.  
CAMPBELL, J. R.; MORGAN, C. M.—Eradication of Tuberculosis.  
ELLIOTT, C. L.—Surgical Anæsthesia with Special Reference to Veterinary Practice.  
ELWELL, FRED N.—Hyoseyamus and Its Official Preparations.  
GOULD, J.—Methods of Administering Medicines to Domestic Animals.  
GRAHAM, R.; WOOD, A. L.—Laryngismus Paralyticus, Cause, Diagnosis and Treatment.



HURST, WILBUR—A Study of Normal Dentition in the Horse, with Particular Reference to Determining the Age.  
 LYTLE, WM. H.; SCHOLTY, W. C.—Parturient Paresis.  
 MCINTIRE, HOMER A.—Diseases Which Cause Unsoundness in the Horse, and the Methods Employed in Examination for their Detection.  
 STUHR, WALTER A.—Immunity.

## DIVISION OF ENGINEERING

### DEPARTMENT OF MECHANICAL ENGINEERING

AUSTIN, JOSEPH C.—Calorimetric Test of Iowa Fuels.  
 ELWELL, F. D.—An Experimental Binary Engine.  
 HUMMEL, J. G ; KELLY, W. T.—The Effect of Clearance and Compression upon the Economy of a Steam Engine.  
 KEITH, R. R.; LEE, E. E.—Comparisons of Iowa Lubricating Oils.

### DEPARTMENT OF CIVIL ENGINEERING

BENNETT, HERBERT; MUHS, L. R.—Comparison of Different Methods of Measuring the Miner's Inch.  
 LUDWIG, H. J.; WELSH, C. A.—Standard Sand for Cement Tests.  
 MCBIRNEY, J. F.; STEWART, J. E.—Tests of Common Building Brick Manufactured in Iowa.

### DEPARTMENT OF ELECTRICAL ENGINEERING

CLEGHORN, MARK P.; NOWLAN, E. R.—Study of Telephone Induction Coils.  
 FELTON, J. T; JENKINS, A. T.—Tests of the Boone Street Railway Power Plant.  
 HIGGINS, E. C.; NICHOLS, T. E.—Tests of the Line of the Boone Street Railway.

### DEPARTMENT OF MINING ENGINEERING

WEAKLEY, FRANK M.—A Chemical Study of Certain Iowa Coal.

## DIVISION OF SCIENCE AS RELATED TO THE INDUSTRIES

### SCIENCE

CARTER, GEORGE L.—The Industrial Development of the Hawaiian Islands.  
 MCKINNEY, CLARENCE ROY—Linseed Oil and Its Adulterations.  
 MILLER, MAE—The Industrial Development of the Negro in the United States.  
 MORRISON, ETHELDA—Some Edible and Poisonous Fungi of Ames and Vicinity.  
 OTTO, W. W.—Life History of Some Infusoria.  
 SLIFER, A. CLYDE—Russia in the Far East.  
 STEVENS, S. W.; COYE, J. S.—Examination of Texas Petroleum.

### GENERAL AND DOMESTIC SCIENCE

BARBER, FLORENCE—The Tenement House Question.  
 BARCLAY, JOSEPHINE; CAMPBELL, GRACE—Student Dietetics with Special Reference to the Clubs at the Iowa State College.  
 BARGER, MAY—Transition in China.  
 HANCOCK, EMMA LOUISE—The Single Tax.  
 HYTLAND, THYRA—The Philippine Islands, or Our New Possessions in the Orient.  
 JENKS, ADA; JENKS, FRANCES—Soaps.  
 MERRITT, ALICE—The Humor of Certain American Essayists.  
 RANTSCHLER, LUELLA S.—The Economic Development of Russia.  
 STANTON, MARGARET—Social Settlements.

## POST GRADUATE COURSES

ERWIN, ARTHUR T.—The Northwestern Juneberry.—M. S. A.  
 HESS, ALICE WARD—A Study of the Food Value of Some of the Edible Fungi of Ames.—M. S.  
 WILLIAMS, IRA A.—An Investigation of the Fusibility of Certain Iowa Clays.—M. S.