

Annual Commencement

OF THE

Class of 1907

And Laying of the
Corner-Stone

of the
New Agricultural Hall

IOWA STATE COLLEGE
OF AGRICULTURE AND
MECHANIC ARTS

College Campus, Ames, Iowa

June 6th, 9:00 a. m.

1 9 0 7

Corner Stone Laying
Agricultural Hall

HON. A. B. CUMMINS,

Governor of Iowa

Officiating

9:00 a. m.

COMMENCEMENT PROGRAM

Music - - - - - College Band

Invocation - - - Dr. O. H. Cessna

Chorus

Commencement Address—"The Modern Scholar,"
Bishop William F. McDowell.

Music, Violin Solo - - Prof. B. K. Klima

Music, Solo - - - Mr. Elmer Kaye Smith

Conferring of Degrees - - Pres. A. B. Storms

Music - - - - - College Band

8:00 P. M. Reception at the home of the President, for the
Alumni, Faculty and Friends

CANDIDATES FOR DEGREES WITH SUBJECTS OF THESES

DIVISION OF AGRICULTURE

Degree—Bachelor of Scientific Agriculture

AGRONOMY COURSE

BONEBRIGHT, HERBERT B.—The Efficiency of Windmill Stroke Regulators.
COHAGEN, O. A. } —Variation in Protein and Ether Extract Content, and in the Germinating Power of Corn as Harvested at Different Stages of Maturity.
MORRIS, E. L. }
ELLIS, L. W.—A Fertility Study of an Iowa Farm.
HAMILTON, E. W. } —Gasoline Engine Units for the Farm.
READING, C. M. }
WILSON, M. L.—Some Iowa Pasture and Meadow Problems.

DAIRY COURSE

ELLIOTT, J. S. } —An Investigation of Various Methods of Sampling Cream.
SMITH, E. D. }

HORTICULTURAL COURSE

BALTHIS, R. F. } —A Forest Survey of Story County, Iowa.
KUPFER, C. A. }
MORROW, H. E.—A Study of the Development of the Strawberry Fruit Bud.

ANIMAL HUSBANDRY COURSE

BILLER, D. H.—Mutton and Wool Production in the United States.
DRENNAN, R. E. } —The Development of Polled Hereford Cattle.
CAMPBELL, FOSTER }
CHAMBERS, J. A.—Cross Breeding Hogs for Market Purposes.
CLAXTON, R. I. } —Methods Pursued on Successful Stock Farms.
WILLITS, E. V. }
CROSSLEY, B. W.—Development of Shropshire Sheep in America.
LONG, LOREN—Fattening Draft Horses in Iowa for the Market.
MADSON, B. A.—The Economic Production of Baby Beef Under Iowa Conditions.
PACKARD, WALTER E. } —Sheep Production in Iowa.
SIEBEN, IRA L. }
PACKER, J. H.—Pork Production in Iowa.
PEW, W. H.—The Hog Industry in Mahoning County, Ohio.
PORTER, B. G.—The Relation of Feeding Mangels to the Alkalinity and Total Solids of the Urine of Rams. (Studied in Connection with the Formation of Renal Calculi in Rams.)
SIMPSON, H. H.—A Study of the Horse Industry in Knoxville Township, Marion County Iowa.
WENTWORTH, E. N.—Fixing Type in Animal Breeding.

DIVISION OF VETERINARY SCIENCE

Degree—Doctor of Veterinary Medicine

BAKER, GUY G.
GEARHART, FRANK C.
GILBERT, PAGE L.
MORENO, RUBEN J.

O'BANNION, ARCHIE L.
STANGE, CHARLES H.
STEWART, WALTER C.
TAYLOR, PAUL P.

DIVISION OF ENGINEERING

MECHANICAL ENGINEERING COURSE

Degree—Bachelor of Mechanical Engineering

ATHERTON, A. C. } —Locomotive Road Testing.
SAYRE, H. A. }
BLACKMAN, H. L.—Heating and Ventilating of the New Agricultural Hall.
COUTTS, R. V. }
MASON, F. D. } —Comparative Boiler Tests.
MEYLING, T. T. }
RUBEL, W. G. }
DALE, R. B. } —Tests of 250 h. p. Corliss Engine.
PERRIN, A. C. }
KING, P. M.—Quick Return Mechanism.
LYDER, L. C. } —Test of 500 K. W. Curtis Turbine.
MATHER, M. G. }

ELECTRICAL ENGINEERING COURSE

Degree—Bachelor of Science in Electrical Engineering

BOLSER, M. O. } —An Efficiency Test of the Parkesburg, Iowa, Electric Light,
HICKS, L. J. } Heat & Power Company's Plant.
SCHERLING, GUSTAVE J. }
WHITACRE, R. D. }
CAMERON, E. A. } —Efficiency Test of 500 K. M. Curtis Turbine Generator at Citizen's
DANIELSON, W. A. } Gas and Electric Company's Plant, Waterloo, Iowa.
GROVE, R. A. }
CLARK, J. C. } —A Study of the Efficiency of Carbon Filament Incandescent Lamps as
WOODS, J. F. } Operated in the Average Iowa Town.
HENNINGSON, H. H. } —A Comparison of Two Methods of Determining the Electrical
STAHL, C. J. F. } Equipment for the Davenport and Suburban Railway.
UHL, W. F. }
HUGHES, J. R.—Plans and Specifications for an Electric Lighting System for Strawberry
Point, Iowa.
HURD, E. } —Preliminary Estimate of Probable Cost of Combined Interurban Rail-
way and Electric Light Plant for the Towns of Mt. Vernon, Iowa, and
WALTERS, H. L. } Lisbon, Iowa.
LANDES, C. C. } —Comparison of Two Methods for Determining the Equipment of an
WALLIS, R. S. } Electric Road.
TROTTER, L. E. } —Efficiency Test of Storm Lake Electric Light and Power Company's
WHALLON, P. } Plant.
MOOREHEAD, J. A. } —The Construction of an Oscillograph and the Test of a Mercury
TUNIS, F. L. } Arc Rectifier.
McCORMICK, C. M. } —An Efficiency Test of Ames City Lighting Plant.
McCUNE, H. A. }
SEMMONS, H. G. } —Comparative Test of Induction Motor.
TODNEM, O. H. }
SKELLEY, F. V. } —A Comparison of Transformer Designs with Respect to First Cost and
SNAVELY, W. A. } Efficiency.
SOUKUP, Edward—The Design of a 1200 K. W. Rotary Converter.

CIVIL ENGINEERING COURSE

Degree—Bachelor of Civil Engineering

ADAMSON, A. Q. } —Drainage Engineering in Iowa.
McCULLOUGH, G. K. }
BARBER, WALTER }
CAVE, J. H. } —Proposed College Lake and Hydraulic Laboratory.
WILSON, L. A. }
BURROWS, J. M. } —A Study of Railroad Construction in Wyoming.
LYMAN, R. A. }
CLAPPER, LELAND } —Tile Gaugings and Ground Water Gradients.
FRANCIS, WILL }
COTTON, H. E.—Tests of Building Stone.
COOPER, R. L. } —A Comparison of the Arched and Flat Top Types of Reinforced
STANTON, E. W., Jr. } Concrete Culverts.
WARREN, C. I. }
CRUM, R. W.—An Investigation of Cost of Second Track Railroad Construction in Iowa.
DANIELS, A.—Adhesive Strength of Cement Mortar.
HENNINGER, C. E. } —Investigation of State Quarries at Anamosa Relative to Installation
of Crusher Plant, together with Determination of Value of Out-
put for Concrete and Roadbuilding.
HOWARD, H. M. }
JOHNSTON, J. W. } —An Investigation of the Cost of Railway Construction under Aver-
age Conditions Prevalent in Central Iowa.
FURROW, H. L. }
McCONNELL, E. K. }
KIRKPATRICK, R. Z. } —Comparative Study of the Mississippi River Bridges.
WINKELHAUSE, L. C. }
LAGE, JOHN } —Investigation of Shearing Stresses in Concrete.
SKINNER, B. B. }
LUDENS, DAVID } —Hydro-Electric Power Plant at Keosauqua, Iowa.
WHITE, F. R. }
McCLEAN, G. T.—Sanitary Survey of Washington, Iowa.
MARSH, FRANK JR. } —Holding Power of Nails in Single Shear.
MORGAN, C. K. }
MILLS, M. A. } —Test of Strength of Clay and Cement Sewer Drain Pipes.
MOLES, R. D. }
NEELEY, J. B.—Sewage Disposal for Private Houses.
REMINGTON, B. S. } —Sanitary Survey of Tama, Iowa.
WATERS, V. G. }
ROBY, C. A.—Design for a Reinforced Concrete Arch Bridge for Fifth Street, Waterloo,
Iowa.
WHITEHEAD, D. V.—Tests of Iowa Roads Material.

MINING ENGINEERING COURSE

Degree—Bachelor of Science in Mining Engineering

CLAUSON, C. C.—An Investigation of Iowa Cement Material.

DIVISION OF SCIENCE AS RELATED TO THE INDUSTRIES

GENERAL SCIENCE COURSE

Degree—Bachelor of Science

AGETON, MAUD
DUDGEON, WINFIELD S.
HERR, GERTRUDE ANNE
HOWARD, EMILY C.
LISTER, LILLIE M.
MADSON, EMMA J.
ROBB, LUELLA BLANCHE—Variations of Seedlings of Pyrus Malus.
PERRY, HENRY F.
RUNDALL, MABEL
SCHLEGEL, ELLA M.
SNYDER, DAVIS C.
WOODRUFF, JOHN
STUHR, WALTER A.

DOMESTIC SCIENCE COURSE

Degree—Bachelor of Domestic Science

MORRIS, DELLA JONES

GENERAL AND DOMESTIC SCIENCE COURSE

Degree—Bachelor of Science

BEYER, HARRIET M.
HALLOWELL, ADA E.
KENNEDY, MAUD O.
LEONARD, EMMA
LEWIS, LOUISE
McKINLEY, ANGIE
NASH, NELLIE N.
PETTINGER, FLORENCE J.
REA, FLORENCE
WALTERS, DELPHINE BLANCHE

CERTIFICATE OF MUSIC

CAIRNS, EDITH

HONORARY DEGREES

I. B. SCHRECKENGAST, M. Ph.

J. C. BLAIR, M. S. A.

CANDIDATES FOR DEGREES WITH SUBJECTS OF THESES

DIVISION OF AGRICULTURE

Degree—Bachelor of Scientific Agriculture

AGRONOMY COURSE

BONEBRIGHT, HERBERT B.—The Efficiency of Windmill Stroke Regulators.
COHAGEN, O. A. } —Variation in Protein and Ether Extract Content, and in the Germinating Power of Corn as Harvested at Different Stages of Maturity.
MORRIS, E. L. }
ELLIS, L. W.—A Fertility Study of an Iowa Farm.
HAMILTON, E. W. } —Gasoline Engine Units for the Farm.
READING, C. M. }
WILSON, M. L.—Some Iowa Pasture and Meadow Problems.

DAIRY COURSE

ELLIOTT, J. S. } —An Investigation of Various Methods of Sampling Cream.
SMITH, E. D. }

HORTICULTURAL COURSE

BALTHIS, R. F. } —A Forest Survey of Story County, Iowa.
KUPFER, C. A. }
MORROW, H. E.—A Study of the Development of the Strawberry Fruit Bud.

ANIMAL HUSBANDRY COURSE

BILLER, D. H.—Mutton and Wool Production in the United States.
DRENNAN, R. E. } —The Development of Polled Hereford Cattle.
CAMPBELL, FOSTER }
CHAMBERS, J. A.—Cross Breeding Hogs for Market Purposes.
CLAXTON, R. I. } —Methods Pursued on Successful Stock Farms.
WILLITS, E. V. }
CROSSLEY, B. W.—Development of Shropshire Sheep in America.
LONG, LOREN—Fattening Draft Horses in Iowa for the Market.
MADSON, B. A.—The Economic Production of Baby Beef Under Iowa Conditions.
PACKARD, WALTER E. } —Sheep Production in Iowa.
SIEBEN, IRA L. }
PACKER, J. H.—Pork Production in Iowa.
PEW, W. H.—The Hog Industry in Mahoning County, Ohio.
PORTER, B. G.—The Relation of Feeding Mangels to the Alkalinity and Total Solids of the Urine of Rams. (Studied in Connection with the Formation of Renal Calculi in Rams.)
SIMPSON, H. H.—A Study of the Horse Industry in Knoxville Township, Marion County Iowa.
WENTWORTH, E. N.—Fixing Type in Animal Breeding.

DIVISION OF VETERINARY SCIENCE

Degree—Doctor of Veterinary Medicine

BAKER, GUY G.
GEARHART, FRANK C.
GILBERT, PAGE L.
MORENO, RUBEN J.

O'BANNION, ARCHIE L.
STANGE, CHARLES H.
STEWART, WALTER C.
TAYLOR, PAUL P.

DIVISION OF ENGINEERING

MECHANICAL ENGINEERING COURSE

Degree---Bachelor of Mechanical Engineering

ATHERTON, A. C. } Locomotive Road Testing.
 SAYRE, H. A. }
 BLACKMAN, H. L. }—Heating and Ventilating of the New Agricultural Hall.
 COUTTS, R. V. }
 MASON, F. D. }—Comparative Boiler Tests.
 MEYLING, T. T. }
 RUBEL, W. G. }
 DALE, R. B. }—Tests of 250 h. p. Corliss Engine.
 PERRIN, A. C. }
 KING, P. M. }—Quick Return Mechanism.
 LYDER, L. C. }
 MATHER, M. G. }—Test of 500 K. W. Curtis Turbine.

ELECTRICAL ENGINEERING COURSE

Degree---Bachelor of Science in Electrical Engineering

BOLSER, M. O. }
 HICKS, L. J. }—An Efficiency Test of the Parkesburg, Iowa, Electric Light,
 SCHERLING, GUSTAVE J. } Heat & Power Company's Plant.
 WHITACRE, R. D. }
 CAMERON, E. A. }—Efficiency Test of 500 K. M. Curtis Turbine Generator at Citizen's
 DANIELSON, W. A. } Gas and Electric Company's Plant, Waterloo, Iowa.
 GROVE, R. A. }
 CLARK, J. C. }—A Study of the Efficiency of Carbon Filament Incandescent Lamps as
 WOODS, J. F. } Operated in the Average Iowa Town.
 HENNINGSON, H. H. }—A Comparison of Two Methods of Determining the Electrical
 STAHL, C. J. F. } Equipment for the Davenport and Suburban Railway.
 UHL, W. F. }
 HUGHES, J. R. }—Plans and Specifications for an Electric Lighting System for Strawberry
 Point, Iowa.
 HURD, E. }—Preliminary Estimate of Probable Cost of Combined Interurban Rail-
 way and Electric Light Plant for the Towns of Mt. Vernon, Iowa, and
 WALTERS, H. L. } Lisbon, Iowa.
 LANDES, C. C. }—Comparison of Two Methods for Determining the Equipment of an
 WALLIS, R. S. } Electric Road.
 TROTTER, L. E. }—Efficiency Test of Storm Lake Electric Light and Power Company's
 WHALLON, P. } Plant.
 MOOREHEAD, J. A. }—The Construction of an Oscillograph and the Test of a Mercury
 TUNIS, F. L. } Arc Rectifier.
 MCCORMICK, C. M. }—An Efficiency Test of Ames City Lighting Plant.
 MCCUNE, H. A. }
 SEMMONS, H. G. }—Comparative Test of Induction Motor.
 TODNEM, O. H. }
 SKELLEY, F. V. }—A Comparison of Transformer Designs with Respect to First Cost and
 SNAVELY, W. A. } Efficiency.
 SOUKUP, Edward }—The Design of a 1200 K. W. Rotary Converter.

CIVIL ENGINEERING COURSE

Degree---Bachelor of Civil Engineering

ADAMSON, A. Q. }
 McCULLOUGH, G. K. }—Drainage Engineering in Iowa.
 BARBER, WALTER }
 CAVE, J. H. }—Proposed College Lake and Hydraulic Laboratory.
 WILSON, L. A. }
 BURROWS, J. M. }—A Study of Railroad Construction in Wyoming.
 LYMAN, R. A. }
 CLAPPER, LELAND }—Tile Gaugings and Ground Water Gradients.
 FRANCIS, WILL }
 COTTON, H. E. }—Tests of Building Stone.
 COOPER, R. L. }
 STANTON, E. W., Jr. }—A Comparison of the Arched and Flat Top Types of Reinforced
 WARREN, C. I. } Concrete Culverts.
 CRUM, R. W. }—An Investigation of Cost of Second Track Railroad Construction in Iowa.
 DANIELS, A. }—Adhesive Strength of Cement Mortar.
 HENNINGER, C. E. }—Investigation of State Quarries at Anamosa Relative to Installation
 of Crusher Plant, together with Determination of Value of Out-
 put for Concrete and Roadbuilding.
 HOWARD, H. M. }
 JOHNSTON, J. W. }—An Investigation of the Cost of Railway Construction under Aver-
 FURROW, H. L. } age Conditions Prevalent in Central Iowa.
 McCONNELL, E. K. }
 KIRKPATRICK, R. Z. }—Comparative Study of the Mississippi River Bridges.
 WINKELHAUSE, L. C. }
 LAGE, JOHN }
 SKINNER, B. B. }—Investigation of Shearing Stresses in Concrete.
 LUDENS, DAVID }
 WHITE, F. R. } Hydro-Electric Power Plant at Keosauqua, Iowa.
 McCLEAN, G. T. }—Sanitary Survey of Washington, Iowa.
 MARSH, FRANK JR. }—Holding Power of Nails in Single Shear.
 MORGAN, C. K. }
 MILLS, M. A. }—Test of Strength of Clay and Cement Sewer Drain Pipes.
 MOLES, R. D. }
 NEELEY, J. B. }—Sewage Disposal for Private Houses.
 REMINGTON, B. S. }
 WATTERS, V. G. } Sanitary Survey of Tama, Iowa.
 ROBY, C. A. }—Design for a Reinforced Concrete Arch Bridge for Fifth Street, Waterloo,
 Iowa.
 WHITEHEAD, D. V. }—Tests of Iowa Roads Material.

MINING ENGINEERING COURSE

Degree---Bachelor of Science in Mining Engineering

CLAUSON, C. C. }—An Investigation of Iowa Cement Material.

DIVISION OF SCIENCE AS RELATED TO THE INDUSTRIES

GENERAL SCIENCE COURSE

Degree---Bachelor of Science

AGETON, MAUD }
 DUDGEON, WINFIELD S. }
 HERR, GERTRUDE ANNE }
 HOWARD, EMILY C. }
 LISTER, LILLIE M. }
 MADSON, EMMA J. }
 ROBB, LUELLA BLANCHE }—Variations of Seedlings of Pyrus Malus.
 PERRY, HENRY F. }
 RUNDALL, MABEL }
 SCHLEGEL, ELLA M. }
 SNYDER, DAVIS C. }
 WOODRUFF, JOHN }
 STUHR, WALTER A. }

DOMESTIC SCIENCE COURSE

Degree---Bachelor of Domestic Science

MORRIS, DELLA JONES

GENERAL AND DOMESTIC SCIENCE COURSE

Degree---Bachelor of Science

BEYER, HARRIET M. }
 HALLOWELL, ADA E. }
 KENNEDY, MAUD O. }
 LEONARD, EMMA }
 LEWIS, LOUISE }
 MCKINLEY, ANGIE }
 NASH, NELLIE N. }
 PETTINGER, FLORENCE J. }
 REA, FLORENCE }
 WALTERS, DELPHINE BLANCHE }

CERTIFICATE OF MUSIC

CAIRNS, EDITH

HONORARY DEGREES

I. B. SCHRECKENGAST, M. Ph.

J. C. BLAIR, M. S. A.

Post Graduate Students

DIVISION OF AGRICULTURE

AGRONOMY COURSE

DELFIN SANCHEZ DE BUSTAMANTE, B. S. A.
EBENEZER B. WATSON, B. S. A.

ANIMAL HUSBANDRY COURSE

JOHN JULIAN HOOPER, B. Sc.
ALFRED ERNEST PARR, B. Sc.
ERNEST THOMPSON ROBBINS, B. S.

HORTICULTURAL COURSE

VICTOR RAY GARDNER, B. S.

DIVISION OF ENGINEERING

DEGREE OF CIVIL ENGINEER

HERBERT A. BENNETT, B. C. E.
JOHN EDGAR VAN LIEW, B. C. E.

DEGREE OF MECHANICAL ENGINEER

MARK P. CLEGHORN, B. S. IN E. E.
FRANK D. ELWELL, B. M. E.

DIVISION OF SCIENCE

C. EDGAR BARTHOLOMEW, B. S.

Honor Students

C. H. STANGE.....	Veterinary Medicine
MABEL RUNDALL.....	Course in Science
GEORGE K. McCULLOUGH.....	Course in Civil Engineering
J. C. CLARK.....	Course in Electrical Engineering
L. W. ELLIS.....	Course in Agronomy
B. W. CROSSLEY.....	Course in Animal Husbandry
ANGIE MCKINLEY.....	Course in General and Domestic Science
A. C. PERRIN.....	Course in Mechanical Engineering
DELLA MORRIS.....	Course in Domestic Science
JESSE ELLIOTT.....	Course in Dairying
C. C. CLAUSON.....	Course in Mining Engineering
C. A. KUPFER.....	Course in Horticulture