BACHELORS' DEGREES

BACHELOR OF ARTS IN ENGLISH.

Arthur Titus Bryson ........................................ South Portsmouth
Walter Cole Jetton ........................................ Sedalia
Lulie Elizabeth Logan ...................................... Lexington
Ella Kiziah Porter .......................................... Lexington
Roscoe Conkling Preston ................................... Inez

BACHELOR OF ARTS IN LATIN.

Iva Belle Boreing ............................................. London
Lida Scott McCarty .......................................... Owensboro
Mabel Hardy Pollitt .......................................... Vanceburg

BACHELOR OF ARTS IN MODERN LANGUAGE.

Maude Creekmore .............................................. Lexington
Viola Moss Eblen ............................................. Henderson
Clara Elizabeth Matti ........................................ Sturgis, Mich.
Marie Antoinette Williams ................................. Watertown, S. D.

BACHELOR OF ARTS IN HISTORY

Douglas Duncan Felix ....................................... Hartford
Lee Hunt ......................................................... Owensboro
John Elliott Cooper Johnson .............................. Tallega
Roy Hilman Thomas .......................................... Cayce

BACHELOR OF ARTS IN EDUCATION

Annabel Acker ................................................ Paducah
Elizabeth Bedinger .......................................... Walton
Louis David Covitz .......................................... Lexington
Juliette Samuel Gaines .................................... Frankfort
Lucile Adair Gastineau ..................................... Middlesboro
Viola Evelyn Gragg .......................................... Somerset
Lorene Catherine Marking ................................ Louisville
Mary Belle Pence ............................................. Lexington
Yandell Ragan ................................................ Cold Spring
Luella Morton Shaffer ....................................... Ludlow
Frederic Thomas Shultz ..................................... Narrows
Edith Hurst Stivers ......................................... Paris
Elmer Ellsworth Tartar ..................................... Brady
Curtis Burnam Wilson ....................................... Paint Lick
William Claude Wilson ..................................... Providence
BACHELOR OF ARTS IN PHYSIOLOGY.
John Hiram Way ................................ Utica
John Estill Wilson ..•................... Paint Lick

BACHELOR OF SCIENCE IN PHYSIOLOGY
John Sharpe Chambers .................. Murray

BACHELOR OF SCIENCE IN EDUCATION
Inis Gillis ................................ Lexington
Clarence Hudson Richardson .......... Buffalo

BACHELOR OF SCIENCE IN MINING GEOLOGY
Sylvan Stewart Price ............ Marion

BACHELOR OF SCIENCE IN MINING GEOLOGY
William Henry McAdams ............. Lexington
William Todd Nicoll .................. Lexington
John Wilson Porter, Jr. ............ Maysville
Arnon Owsley Snoddy .............. Glasgow

BACHELOR OF SCIENCE IN CHEMISTRY
Elmer Louis Rembold ................. Owensboro

BACHELOR OF SCIENCE IN INDUSTRIAL CHEMISTRY
Clayborne Xenophon Johnson .......... Tallega

BACHELOR OF SCIENCE IN ZOOLOGY
Philip Garman ............................ Lexington

BACHELOR OF SCIENCE IN AGRICULTURE
Walter Winston Fitzpatrick .......... Somerset
Orestes Foraker Floyd ............... Hustonville
James Freeman Gilbert ............. Lawrenceburg
Edwin Joseph Gott .................. Bellevue
Robert Graham .................... Lexington
Louis Joseph Henrich ............... Newport
Joseph Paul LaMaster ............... Campbellsburg
Ray Innis Matthews ................. Williamstown
Roy Harlan Milton .................. Lexington
Showdy Elbert Puckett ............. Hodgenville
William Henry Rogers .............. Danville
Wallace Vanderpool Smith .......... Lexington

BACHELOR OF SCIENCE IN HOME ECONOMICS
Elizabeth Anne Fried ................. Lexington
Mary Elizabeth Taylor ............... Lexington

BACHELOR OF CIVIL ENGINEERING
Charles Leon Bosley ................ Owensboro
Frank Davis Cahn .................... Madisonville
Henry Lester Farmer ............. Harlan
Joseph Leslie Hall .................. Waddy
Edgar Arrington Humphreys ....... Crutchfield
Guy Brooklyn Jeffries .......... Horse Cave
James Alfred Myers ............... Glasgow
William Survant Penney .......... Lexington
Morris Roth .......................... Newport
George Atwell Scott .............. Paducah
William Carl Stone ............... Hinton
Watson Andrew Sudduth .......... Lexington

BACHELOR OF MECHANICAL ENGINEERING
William Cobbs Armistead .......... Madison, Tenn.
Brinkley Barnett .................... Somerset
Alvin Hovey Colbert ............... London
John Scearce Crosthwaite .......... Lexington
Frank James Forsyth .............. Pikeville
William Kendrick Gregory ....... Louisville
James Flanagan Hall .............. Frankfort
John William Kunzman .......... Buechel
Shimegoro Kurozawa ............. Tokyo, Japan
William Muir Lane ............... Lexington
George Campbell Lewis .......... London
Edgar William Link .............. Lebanon
Robert Emison Mattingly .......... Lexington
Charles Henry Douglas Osborn .... San Antonio, Texas
Daniel Whitaker Perry .......... Pembroke
Robert Bedford Pogue .......... Lexington
Stanley John Ridd ............... Newport
William Charles Rudd .......... Owensboro
Robert Ryland Taliaferro .......... Lexington
George Clark Watkins .......... Lexington
August Joseph Weisenberger .... Midway
Robert Luther Willis .......... Crab Orchard

BACHELOR OF MINING ENGINEERING
John Parham Barrow .......... Lexington
John Rollie Foster ............... Benham
Willis Ewing Hobson .......... Frankfort
Herbert Adolph Kohnhorst .... Louisvile
Robert Marvin Woodson ......... Kuttawa
THESES

For Bachelor of Arts in History.

DOUGLAS DUNCAN FELIX—
The Official Title of Kentucky.

LEE HUNT—
John C. Breckinridge.

JOHN ELLIOTT COOPER JOHNSON—
The Social and Historical Background of Kentucky Feuds.

ROY HILMAN THOMAS—
Executive Discretion in Foreign Affairs.

For Bachelor of Science in Industrial Chemistry.

WILLIAM HENRY McADAMS—
The Chemical and Physical Examination of the Oils from the Fruit of Juglans Nigra, Hicoria Laciniosa, Hicoria Ovata and Hicoria Pecan.

WILLIAM TODD NICOLL—
An Experimental Study of the Properties of Colloids.

JOHN WILSON PORTER, Jr.—
A Critical Examination of the Methods for the Determination of Formaldehyde.

ARNON OWSLEY SNODDY—

For Bachelor of Science in Agriculture.

WALTER WINSTON FITZPATRICK and JOSEPH PAUL LaMASTER—
Relative Values of Dried Distiller’s Grains and Wheat Bran for Milk Production.

ORESTES FORAKER FLOYD—
Mules and Jack Stock of Kentucky.

JAMES FREEMAN GILBERT—
The Tobacco Industry in Anderson County, Kentucky.
EDWIN JOSEPH GOTT—
Identification of Bacteria.

ROBERT GRAHAM—
Notes on Attenuation of Virus in the Blood of Cholera Hogs to Prepare a Vaccine.

LOUIS JOSEPH HENRICH—
The Physical Variations of the Soy Bean Plant.

RAY INNIS MATTHEWS—
A Study of Symbiotic Fixation of Nitrogen.

ROY HARLAN MILTON—
The Management of Tobacco Plant Beds.

SHOWDY ELBERT PUCKETT—
A Study of the Oil and Protein Content of Nineteen Varieties of Soy Beans.

WILLIAM HENRY ROGERS—
Liming the Soil.

WALLACE VANDERPOOL SMITH—
A Feeding Experiment with Mules to Determine the Value of Straight Ear Corn Compared with a Mixture of Cracked Corn, Bran and Linseed Meal.

For Bachelor of Civil Engineering.

CHARLES LEON BOSLEY, MORRIS ROTH—
Pratt Pin Connected Through Highway Bridge.

FRANK DAVIS CAIN, GUY BROOKLYN JEFFRIES—
Topographical Field Methods; Stadia, Landscape Garden, and Railroad Topography.

HENRY LESTER FARMER and EDGAR ARRINGTON HUMPHREYS—
Design of Reinforced Concrete Viaduct over Tracks on West Main Street, Lexington, Ky.

JOSEPH LESLIE HALL, JAMES ALFRED MYERS—
Design of Low Pin Connected Pratt Truss and Low Riveted Warren Truss Highway Bridges.

WILLIAM SURVANT PENNEY—
Design of Reinforced Concrete Viaduct over Tracks on Jefferson Street, Lexington, Ky.

GEORGE ATWELL SCOTT—
Designs and Details of Single Span Railway Bridge of Pratt Type.

WILLIAM CARL STONE—
Field Methods, Field Records and Mapping from Field Information.

WATSON ANDREW SUDDUTH—
Design of a Reinforced Concrete Arch and the Development of the Theory of Design.

For Bachelor of Mechanical Engineering.

DANIEL WHITAKER PERRY and AUGUST JOSEPH WEISENBERGER—
An Analysis of the Engineering Plant of the Phoenix Hotel.

ROBERT RYLAND TALIAFERRO and EDGAR WILLIAM LINK—
The Design of Central Heating and Lighting Plant for the State University of Kentucky.

CHARLES HENRY DOUGLAS OSBORN and FRANK JAMES FORSYTH—
Comparative Tests of Several Types of Locomotive Headlight Equipments for Steam Railway Locomotives.

ROBERT BEDFORD POGUE and ROBERT EMISON MATTINGLY—
A Calorimeter Determination of the Heating Value of Kerosene.

WILLIAM COBBS ARMISTEAD—
A Study of Automatic Telephony.

SHIMEGORO KUROZAWA—
A Study of Various Gasoline Carburetors on the American Market.

BRINKLEY BARNETT and JOHN SCEARCE CROSTHWAIT—
A Study of the Cost of Steam Production at Phoenix Hotel, Lexington, Ky.

JAMES FLANAGAN HALL, GEORGE CLARK WATKINS—
Discussion of the Cost of Automobile Power.
STANLEY JOHN RIDD and WILLIAM CHARLES RUDD—
A Study of the Power Value of Gasoline in Internal Combustion Engines.

WILLIAM MUIR LANE and ROBERT LUTHER WILLIS—
Study of Substation Practice, Kentucky Traction and Terminal Company.

JOHN WILLIAM KUNZMAN—
An Experimental Study of the Holding Power of Railroad Spikes.

WILLIAM KENDRICK GREGORY—
A Study of the 1913 Automobile Engineering Practice.

ALVIN HOVEY COLBERT—
A Study of the Usage of Kerosene as a Fuel for the Internal Combustion Motor.

GEORGE CAMPBELL LEWIS—
Design of Central Energy Plant for the Sue Bennett Memorial School.

HONOR GRADUATES

For Bachelor of Mining Engineering

JOHN PARHAM BARROW and WILLIS EWING HOBSON—
The Use of Concrete in Mining, Including an Account of the Concrete Tipple at Mine No. 10 of the Stearns Coal Company, in McCreary County, Kentucky.

JOHN ROLLIE FOSTER and ROBERT MARVIN WOODSON—
A Discussion of the Coals of the Big Sandy Valley and of Some of the Mining Operations Therein.
COMMENCEMENT EXERCISES

THURSDAY, JUNE 5TH, 1913, 10 A. M.

STATE UNIVERSITY

MUSIC

Invocation

MUSIC


ORATION: Progress and Ideals.
Clarence Hudson Richardson, B. S., Class Representative.

MUSIC

Conferring of Degrees and Delivery of Diplomas.
by Henry S. Barker
President of the University

MUSIC

Benediction

THE GRADUATE SCHOOL

GRADUATES AND THESES.

For Master of Arts.

ROBERT McDowell Allen..........................Lexington
The Municipal Abattoir—An Economic Study.

ADDIE Lee Dean.................................St. Louis, Mo.
Literary Place Names in Kentucky.

JESSE ISIDORE Miller..............................Lexington
Biblical Place Names in Kentucky.

For Master of Science.

EDGAR Fleming Bates .........................Danville
Polarized Light and its Commercial Application.

LAMERT Seymour Corbett ..........Jamaica Plain, Mass.
A Study in Gas Production of Different Strains of Bacillus Abortivus Equinus, Bacillus Enteritidis and Bacillus Para-colon.

CLEO Gillis ................................Lexington
Motivation in the Kentucky Adolescent.

JOHN Wilbur Lancaster .........................Georgetown
Fiscal Problems in American City Schools.

GROVER Cleveland Routt .................Gee
Studies in the Complementary and Anti-Complementary Properties of Sheep Serum.

For Master of Science in Agriculture.

JAMES Edward Mastin .........................Versailles
A New Method for the Detection of Rice Adulteration.

JOHANNES Du Plessis Oosthuizen .Pretoria, Transvaal
The Enzymes of the Tobacco Plant.
For Civil Engineer.

FRANK CLARK DUGAN ..................Cincinnati, O.
The Design and Construction of the Bear Grass Interceptor, Louisville, Ky.

WALTER CUTHBERT FOX ..................Dayton, O.
The Construction of a Six Story Reinforced Concrete Warehouse.

JOHN FRANK GRIMES ..................Frankfort
Physical Valuation of Railways.

SHERMAN HARRY STIVERS ..................Paris
The Work of the Resident Engineer on Railway Construction.

For Mechanical Engineer.

WILLIAM REDMON CORNISH ..................Cleveland, Ohio.
The Design of a Four-hundred K. W. Addition to Power Plant for Watervliet Paper Company.

VICTOR EMANUEL MUNCY ..................Cincinnati, Ohio
Installation of Five Hundred Kilowatt Power Plant.

For Electrical Engineer.

HITER H. LOWRY, Jr ..................Chicago, Ill.
A Study of Toll Equipment in Large Telephone Centers.

WALLACE HOPKINS MAGEE ..................Richmond, Va.
Present Status of Industrial Education in Vocational Schools.

FRED JONES RANKIN ..................Fort Collins, Col.
Electrical Engineering at Colorado State Agricultural College.

SHELBY SHANKLIN ..................Schenectady, N. Y.
Central Station Equipment for Lighting Purposes.

HONORARY DEGREES

DOCTOR OF SCIENCE

ALFRED FAIRHURST ..................Lexington
Presented by Dean W. T. Lafferty.

ALFRED MEREDITH PETER ..................Lexington
Presented by Dean C. J. Norwood.

DOCTOR OF LAWS

EUGENE DAVENPORT ..................Urbana, Ill.
Presented by Dean J. H. Kastle.

WILLIAM GIBSON ..................Pittsburg, Penn.
Presented by Dean F. P. Anderson.

LINCOLN McCONNELL ..................Chattanooga, Tenn.
Presented by Dean A. S. Mackenzie.

EDWARD JOHN McDERMOTT ..................Louisville
Presented by Prof. Lyman Chalkley.

FRANCIS TREVELYAN MILLER ..................New York, N. Y.
Presented by Dean A. M. Miller.

RICHARD CHARLES STOLL ..................Lexington
Presented by Dean J. H. Kastle.