University of Kentucky

FORTY-NINTH ANNUAL

Commencement

NINETEEN HUNDRED AND SIXTEEN

THURSDAY. JUNE THE FIRST
LEXINGTON, KENTUCKY

UNIVERSITY PRESS
Order of Exercises.

Music

INVOCA TION:
REV. RICHARD WILKINSON

ORATION: The Trophy of Miltiades
JULIUS WOLFE
Class Representative

Music

ADDRESS:
AUGUSTUS OWSLEY STANLEY
Governor of Kentucky

Music

CONFERRING OF DEGREES AND DELIVERY OF DIPLOMAS:

BY HENRY S. BARKER, LL.D.
President of the University

Music

BENEDICTION:
REV. G. E. CAMERON

Music
Bachelors’ Degrees.

Bachelor of Arts in English.

CHARLES LEROY BOWERS
JAMES FRANKLIN CORN
HERBERT FRANK FELIX
JEAN OLIVE FIELD
RICHARD ALLAN FOSTER
HERBERT DADE GRAHAM
JOHN ROBERT MARSH
MARIK LOUISE MICROT
REBECCA WASHINGTON SMITH
GROVER CLEVELAND WILSON
NATALEE WOODRUFF
Newport
Harrodsburg
Hartford
Lexington
Marion
Frankfort
Maysville
Louisville
Paducah
Paint Lick

Bachelor of Arts in Latin.

ELIZABETH ROBINSON CARY
MARY LOUISE DOUGHERTY
ANNA EGLI LEWIS
Versailles
Maysville
Franklin

Bachelor of Arts in Modern Languages.

EUGENE PAYNE WILKIRSON
Lexington

Bachelor of Arts in History.

LILA CAYE ESTES
SUE HUNT FROST
JOHN THOMAS GOOCH
LEAH KATHLEEN HOWARD
EDWARD MALCOLM MCCOY
ERLE MONROE MCGUFFEY
JAMES WILLIAM O’DELL
KARL PEAK ZERFOSS
Lebanon
Louisville
Hansan
Owensboro
Lexington
Barthell
Lewisburg
Ashland

Bachelor of Arts in Education.

CLYDE RUSSELL BARKER
PEARL ALLYNE BASTIN
JUDITH ELLEN BEARD
ELIZABETH CARLETON BREWER
INA MARION DARNALL
Brooksville
East Bernstadt
Hardinsburg
Eminence
Paducah

Bachelor of Arts in Anatomy and Physiology.

HOMER LLOYD REID
LELAND EARLY PAYTON
Lexington
Horse Cave

Bachelor of Science in Anatomy and Physiology.

GEORGE SIDNEY SPRAGUE
Lexington

Bachelor of Science in Education.

EDITH HAZEL BROWN
Lexington

Bachelor of Science in Geology.

ILEY BAKER BROWNING
Paducah

Bachelor of Science in Industrial Chemistry.

CARL BETTINGER
GLOVER M C MURTRY BIRK
HENRY FRYE CROMWELL
EDWIN JOHN EIMER
ABE DAVIS GALANTY
CHARLES FRANK KUMLI
CLINE WARFORD OWEN
CHARLES ERNEST RUBY
LAURENCE JEROME HEYMAN
Covington
Owensboro
Cynthiana
Newport
Maysville
Middleboro
Mayfield
Louisville
Lexington

Bachelor of Science in Agriculture.

ELIZABETH BELL ALEXANDER
LAWRENCE MAY AMBURGY
MARYLAND D. AMBURGY
CARL LOUIS BERNHARDT
EDWARD ALBERT BLACKBURN
ALFRED DUNBAR BOSLEY
Midway
Hindman
Hindman
Newport
Ludlow
Owensboro
Bachelor of Science in Biology.

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virginia Frances Anderson</td>
<td>Lexington</td>
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</tbody>
</table>

Bachelor of Science in Home Economics.

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Ann Elisabeth Farra</td>
<td>Nicholasville</td>
</tr>
<tr>
<td>Carolyn Frances Lutmekemier</td>
<td>Frankfort</td>
</tr>
<tr>
<td>Lillian Annette Martin</td>
<td>Lexington</td>
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<tr>
<td>Katherine Mitchell</td>
<td>Bowling Green</td>
</tr>
<tr>
<td>Kathleen Brennan Sullivan</td>
<td>Richmond</td>
</tr>
<tr>
<td>Julia Lashbrooke Van Arsdel</td>
<td>Flemingsburg</td>
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</tbody>
</table>

Bachelor of Civil Engineering.

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Russell Foster Albert</td>
<td>Elizabethtown</td>
</tr>
<tr>
<td>William Whitlock Clarke</td>
<td>Owensboro</td>
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<tr>
<td>Benjamin David Howe</td>
<td>Elizaville</td>
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<tr>
<td>Charles William Lovell</td>
<td>Greenville</td>
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<tr>
<td>Robert Fitzhugh Maclean</td>
<td>Lexington</td>
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<tr>
<td>David McCord Phelps, Jr.</td>
<td>Richmond</td>
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<tr>
<td>Arthur Jinks Rankin</td>
<td>Rankin</td>
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<tr>
<td>Gilbert Berry Shouse</td>
<td>Salt Lick</td>
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</tbody>
</table>

Bachelor of Mining Engineering.

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Samuel Jefferson Caudill</td>
<td>Shelbyville</td>
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</tbody>
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Bachelor of Mechanical Engineering.

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>George L. Cherry</td>
<td>Bowling Green</td>
</tr>
<tr>
<td>Ernest Harold Clark</td>
<td>Lexington</td>
</tr>
<tr>
<td>William Hewitt Dix</td>
<td>Stephensport</td>
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<tr>
<td>Charles Kemper Dunn</td>
<td>Lancaster</td>
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<tr>
<td>James Douglas Garrett</td>
<td>Port Garrett</td>
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<tr>
<td>William Mead Glenn</td>
<td>Georgetown</td>
</tr>
<tr>
<td>Marshall Gilman Horton</td>
<td>Bradentown, Florida</td>
</tr>
<tr>
<td>Aaron Borom Huff</td>
<td>Berea</td>
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<tr>
<td>Robert Edward Hundle</td>
<td>Owensboro</td>
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<tr>
<td>Margaret Ingels</td>
<td>Lexington</td>
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<tr>
<td>Webb Lail</td>
<td>Lexington</td>
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<tr>
<td>Joseph McKinster May</td>
<td>Prestonsburg</td>
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<tr>
<td>Harry Edgar Melton</td>
<td>Danville</td>
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<tr>
<td>Homer Parks Parrigin</td>
<td>Mill Springs</td>
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<tr>
<td>Ernest Raymond Pursley</td>
<td>Hopkinsville</td>
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<tr>
<td>Mitchell Sanborn Sullivan</td>
<td>Ft. Sterling</td>
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<tr>
<td>Thomas Conway Taylor</td>
<td>Greenville</td>
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<tr>
<td>James William Thompson</td>
<td>Falmouth</td>
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<td>George Withrow Warwick</td>
<td>Frankfort</td>
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<tr>
<td>Claude Columbus Watson</td>
<td>Georgetown</td>
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<tr>
<td>Fred Whitley</td>
<td>Owensboro</td>
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<tr>
<td>Julius Wolf</td>
<td>Lexington</td>
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<tr>
<td>Herman Worsham</td>
<td>Corbin</td>
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Bachelor of Laws.

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Clarence Albert Beutel</td>
<td>Louisville</td>
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<tr>
<td>Anthony Burnam Combs</td>
<td>Prestonsburg</td>
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<tr>
<td>Sewell Stanley Combs</td>
<td>Chavies</td>
</tr>
<tr>
<td>Robert Emmet Cullen</td>
<td>Flemingsburg</td>
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<tr>
<td>John Stratton Deering</td>
<td>Nicholasville</td>
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<tr>
<td>Norberto Devera</td>
<td>Philippine Islands</td>
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<tr>
<td>Frederick Louis Arthur Eichelberger</td>
<td>Birmingham, Alabama</td>
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<tr>
<td>Richard Jackson Fogg</td>
<td>Lexington</td>
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<tr>
<td>Logan Nourse Green</td>
<td>Hopkinsville</td>
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<tr>
<td>Fred Ambrose Harrison</td>
<td>Williamstown</td>
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<tr>
<td>Joseph Smith Hays, Jr.</td>
<td>Winchester</td>
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<tr>
<td>Dee Louis McNeill</td>
<td>Hickman</td>
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<tr>
<td>John William McDonald</td>
<td>Mayfield</td>
</tr>
<tr>
<td>Walker Porter Mayo</td>
<td>Prestonburg</td>
</tr>
<tr>
<td>Walter Elliott Mobley</td>
<td>Green</td>
</tr>
<tr>
<td>Everett Smith Penick</td>
<td>Elkton</td>
</tr>
</tbody>
</table>
Theses

Bachelor of Arts in History and Political Economy

LILA CAYE ESTES—
Catholic Education in Marion County.

SUE HUNT FROST—
A History of Jefferson County to the Year 1860.

JOHN THOMAS GOOCH—
A History of the Income of the University.

KATHLEEN HOWARD—
Legislative Restrictions of the Sale of Liquor, 1865-1891.

EDWARD MALCOLM McCoy—
The Churches of Old Lexington.

ERLE MONROE McGUFFEY—
A History of McCreary County.

JAMES WILLIAM O’DELL—
A History of Logan County.

KARL P. ZERFOSS—
The Iron Industry of Ashland.

Bachelor of Science in Agriculture

LUCILLE HARRISON CRUICKSHANK—
Investigation of Bacterial Content of Butter, especially directed toward Establishing Presence of Tubercle Bacilli by Animal Inoculation.

LEON H. LEONIAN—
The Physiology of the Endoconidia of Thielavia Basicola.

RICHARD STOKES THOMAS—
Soil Acidity and Methods of Determination.

Bachelor of Science in Biology

VIRGINIA FRANCES ANDERSON—
Protective and Aggressive Resemblance among Common Animals.

Bachelor of Science in Home Economics

JULIA VAN ARSDALE—
Comparative Study of Textiles for House Furnishing.

CAROLYN LUTKEMEIER—
Chemical and Physical Tests for Adulteration in Clothing Textiles.

Bachelor of Civil Engineering

RUSSELL FOSTER ALBERT—
WILLIAM WHITLOCK CLARKE—
BENJAMIN DAVID HOWE—
DAVID MCCORD PHELPS—
ARTHUR JINKS RANKIN—

Surveys, Maps, Designs and Specifications of a Sewer System for the City of Henderson, Kentucky.

CHARLES WILLIAM LOVELL—
Analysis of Physical and Chemical Properties of Kentucky Rock Asphalts.

ROBERT FITZHUGH MACLEAN—
Some Principles of Reinforced Concrete.

GILBERT BERRY SHOUSE—
Selection of Materials for Macadam Roads.

Bachelor of Mechanical Engineering.

For the past three years the seniors in Mechanical and Electrical Engineering have developed a combination thesis. The thesis this year consists in “A Study of Industrial Plant Design.” This thesis consists in the design of ten industrial plants together with the necessary power plants for driving the machinery, and lighting and heating the factory buildings.
One of the men was selected to act as Chief Draftsman and an Assistant Chief Draftsman was appointed to help supervise, route the work, and keep the time system.

The several designs completed by the students are as follows:

**Harry Edgar Melton and Margaret Ingels**

General supervision of thesis work consisting of complete records of materials, efficiency, working time, scheduling and routing of all work, and in the checking and correction of all drawings.

**James William Thompson, Jr., and Herman Worsham**

The Design of a Refrigerating and Cold Storage Plant together with auxiliary central energy station to furnish electrical current for lighting and power, and exhaust steam for heating—nineteen drawings. The cold storage plant is designed with a capacity of 10,000 barrels.

**Joseph McKinster May and Claude Columbus Watson**

The Design of a Machine Shop for Technical College—twenty drawings. This shop is designed to accommodate one hundred men and to give them complete instruction in operating modern machine tools, and in shop methods. A separate power plant is designed to drive all machines in the shop, and also for furnishing light and heat.

**George L. Cherry and Webb Lail**

The Design of a Tobacco Redrying Plant for handling 120,000 pounds of loose leaf tobacco in a ten-hour day—eighteen drawings. The plant is designed to receive the loose leaf from the warehouse to dry the tobacco, and then pack it in hogsheads ready for storage or shipment. A power plant is included in the design to furnish current to drive the necessary machinery, to furnish steam for the redrying machines, and to light and heat the building.

**William Mead Glenn and Ernest Harold Clark**

The Design of a Machine Shop to Manufacture Complete Cylinder Equipment for Steam Engines—eighteen drawings. This plant is designed to have a capacity of twenty-five finishes: cylinders per eight-hour day. A separate power plant accompanies the design.

**William Hewitt Dix and Ernest Raymond Pursley**

The Design of a Boiler Manufacturing Shop to Complete Two Sixty-six-inch Horizontal Return Tubular Boilers in one working day—twenty-three drawings. This plant is designed to perform all the necessary operations in manufacturing return tubular boilers, and it is equipped with an auxiliary power plant to furnish power, light and heat for the factory.

**Charles Kemper Dunn and Mitchell Sanborn Sullivan**

The Design of a Parquetry Flooring Mill—twenty-two drawings. This mill is designed to manufacture various kinds of parquetry flooring from hardwood. Dry kiln, storage yards, and planing mill are all included in the design. An auxiliary power plant furnishes exhaust steam for the dry kiln and power and light for the factory.

**James Douglas Garrett and Robert Edward Hundley**

The Design of a Machine Shop for Manufacturing Southern Locomotive Valve Gears—twelve drawings. This plant is designed to manufacture ten valve gears per day, performing all the necessary operations from forging of the raw stock down to the assembling and shipping. The power plant is located in the factory building.

**Fred Whitley and Aaron Bobom Huff**

The Design of a Machine Shop for Manufacturing Shrapnel Casings—twenty drawings. This plant is designed to manufacture eighteen-pounder British shrapnel with an output of 4,000 casings per day of twenty-two hours, employing 150 men in eleven-hour shifts.

**Homer Parks Parrig and Thomas Conway Taylor**

The Design of a Plant for Manufacturing Gas Engines—nineteen drawings. The plant is designed to finish and assemble gas engines of two, four and six horse-power, with a capacity of nine engines per day. The factory and separate power plant is of reinforced concrete.

**Julius Wolf**

The Design of a Private Branch Telephone Exchange for the University of Kentucky. This exchange is designed to furnish all telephone service for the entire University, permitting of intercommunication among all departments and connection to the Lexington exchange from this central switchboard.

**Samuel Jefferson Caudill**

Methods of Prospecting for Petroleum and Natural Gas, together with an Account of their Geology, Geographic Distribution and Uses.
Honor Graduates

To be eligible for "Commencement honors" a student must have been in attendance at this University three full years. No student shall be eligible who has incurred a condition, or who has not maintained the following minimum standard in scholarship.

- 50 per cent = A's
- 40 per cent = B's
- 10 per cent = C's

The names of those students who have maintained the required standard in scholarship are submitted by the Registrar to the faculties of their respective colleges. Each faculty considers carefully the character and personality of each candidate and reports to the Registrar its selections of honor graduates.

College of Arts and Science.
PEARL ALLYNE BASTIN
JOHIE LACER HAYS
ELSIE BEATRICE HELLER
HOMER LLOYD REID
REBECCA WASHINGTON SMITH.

College of Agriculture.
LECOQ HERC NELSON.

College of Mechanical and Electrical Engineering.
GEORGE L. CHERRY
JULIUS WOLF.

College of Mining Engineering.
SAMUEL JEFFERSON CAUDILL.

Advanced Degrees

Master of Arts

CHESLEY WILLIAMS BAILEY—
Rural Schools of Kentucky under the County Unit System of Administration.

DERRILL WASON HART—
A Philological Study of the Kentucky Mountaineer, as based upon Surnames and the Vernacular.

MELVIN HAYS JUDD—
Making the City Superintendent's Report of Greater Scientific Value to Students of Education.

MARY HAMMOND PIPER—
A Study of Map Projections.

MABEL HARDY POLLITT—
The Ethnology of the Italian Peninsula.

DANIEL THOMAS ROBERTS—
A Comparative Study of the Caeca of the Vertebrates.

Master of Science

RALPH EMERSON BITNER—

ROBERT CORNELIUS DABNEY—
A Study in Yeast Fermentation.

MERVIN JOE KELLY—
Master of Science in Agriculture.

HAL FARNSWORTH BRYANT—
Beef Production in West Virginia.

DAVID PATTERSON CAMPBELL—
Tobacco Culture, Curing, and Marketing.

JAMES WILLIAM WHITEHOUSE—

Civil Engineer.

ARTHUR VANE LESTER—
Construction Details of a Modern High School.

Mechanical Engineer

WILLIAM FREDERICK CLARK—
A Study of the Centralization of Service Requirements for State Institutions.

Cecil Chenault Harp—
An Economy Test, and a Determination of Operating Costs of the Heating and Lighting Plant at the Fayette County Court House.

WILLIAM CHARLES RUDD—
An Analysis of Some of the Most Important Phases bearing upon the Economy and Operation of a Modern Isolated Power Plant.

Electrical Engineer.

CHARLES HENRY DOUGLAS OSBORN—
A Study of Power Plant for Telephone Exchanges.

SHIRLEY DEAN SAUNDERS—
Design of the Power Plant for a Modern Three Unit No. 1 Common Battery Telephone Exchange.

Honorary Degrees.

Doctor of Laws.

AUGUSTUS OWSLEY STANLEY
Frankfort

DAVID SPENCE HILL
New Orleans, La.

Ushers

R. F. ALBERT

H. MILWARD

G. ZERFOSS

E. N. BEATTY

C. W. CLARK

F. R. GRAINGER