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1939

Spring

Sixty-Seventh

Commencement Exercises

of the

Alabama Polytechnic Institute

Auburn, Ala.

Monday, May 29, 1939

10 A. M.

Auditorium, Bibb Graves Center



ORDER OF EXERCISES

Processional Band

Invocation Reverend Sam B. Hay

ADDRESS

Herbert Venable Carson, A. B., B. D., D. D.
Pastor, Trinity Presbyterian Church
Montgomery, Alabama

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AUBURN, ALABAMA 36800

GRADUATES

Class of 1939

SCHOOL OF AGRICULTURE

Cream - Color of corn stalks

Bachelor of Science in Agriculture

Elmer Jefferson Bissell, II	Birmingham
Jackson Mayfield Bolling	Centerville
Robert Charles Burkhardt	Cullman
James Leon Burleson	Guin
Harry Campbell	Section
John Eldred Clifton	Autaugaville
John Croxton Clyburn	Lancaster, S. C.
Charles William Copeland, Jr.	Auburn
William Woodrow Cowart	Opelika
Jeptha Sellers Davis, Jr.	Pike Road
Coma Garrett Deas	Coffeetown
Lowell Coan Detamore	Birmingham
Robert Harry Espy	Abbeville
Leslie Edd Fowler	Garden City
Charles Franklin Grisham	Athens
Joseph Earl Herbert	McKenzie
Bracey Cobb Hill	Jackson
John Crawford Holmes	Joppa
James Robert Hubbard, Jr.	Dadeville
James David Huggins	McKenzie
Lyman Curb Jones	Centerville
Jack Brown Kinzer	Tuscumbia
James William Lester	Glenwood
Robert Francis McNulty	Medford, Mass.
Fred Potts Moore	Auburn
James Freeman Murphy	Centerville
William Flynt Nichols	Sylacauga
Clayton Oscar Nordan	Abbeville
Clyde Craddock Owen	Centerville
Ernest Gregory Pappas	Birmingham
Charles Nichols Parnell, Jr.	Maplesville
Melvin Cameron Patty	Cedar Bluff
Robert William Rhodes	Greenville
Ernest James Rogers	Morris
Franklin Dudley Sadler	Fairhope
John Allen Seibold	Guntersville
James Horace Sellers	Hope Hull
Dwight Grover Somerville	Aliceville
James Snedecor Somerville	Aliceville
Rush Ray Spradley	Troy
Harold Philip Thomas	Athens
Wayne Olen Wagnon	Tuscumbia
Abbott Brand Walton	Greensboro

Bachelor of Science in Agricultural Administration

William Gray Brockway, Jr.	Panola
Robert Rodger Chesnutt	Auburn
Max McAliley	Coffee Springs
James Lewis Merriwether	Greenville
Ross Clement Mullins, Jr.	Auburn

Paul Vance Nickerson	Jackson's Gap
Hugh L. Rice, Jr.	Florence
Harrison Glendon Sims	Eldridge

Bachelor of Science in Agricultural Engineering

George Richard Carter	Auburn
Arthur Wiggins Cooper	Montevallo
Charles Jacob Hager, Jr.	Ensley
Howard Patterson Lloyd	Hurtsboro
Thomas Perkins McCabe	Dora
Cleburne Osborne	Cullman

SCHOOL OF ARCHITECTURE AND ALLIED ARTS

Bachelor of Architecture

Robert Henry Adams, Jr.	Cleveland, Ohio
Gerald Lee Bilbro	Alabama City
Louis Gardner Goldberg	Birmingham
Morris Aaron Hall	Jasper
John Morgan Morton	Montgomery
Christopher Columbus Risher	Meridian, Miss.
Stanley Moore Worsham	Birmingham

Bachelor of Landscape Architecture

Perry Jerome Schwartz	Birmingham
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Bachelor of Applied Art

Devoe Jackson Brasfield	Dora
Robert Daughdrill Welch	Birmingham
Annie Lou Whitaker	Tuskegee

SCHOOL OF CHEMISTRY AND PHARMACY

Bachelor of Science in Chemical Engineering

James Floyd Barnard	Fayette
George Augustus Cabaniss	Birmingham
James Weatherly Cabaniss	Birmingham
Cecil Hamilton Chilton	Birmingham
John Edwin Cobb, Jr.	West Point, Ga.
John Kelly Dixon	Talladega
John Milton Eagan, Jr.	Bessemer
Thomas Harold Gladney	Lineville
Fred William Harmon	Birmingham
George DeWitt Knight, Jr.	Selma
John Alfred Lanier	Birmingham
Dwain Gregory Luce	Mobile
James Wilton Lyons	Birmingham
Clarence Edwin Mason	Birmingham
Arthur Eugene Mize	Montgomery
Alexander Hamilton Morris	Columbus, Ga.
Robert Murray Nickerson	Jackson's Gap
Gayle Geron Patterson	Florence
Leon Charles Picard	Birmingham
Edward Beale Plaisance	Birmingham
Robert Webster Powell	Birmingham

Albert Holt Price	Georgiana
Henry Graham Sellers, Jr.	Birmingham
Ernest Harold Stewart	Belle Mina
Edward Roy Taylor, Jr.	Birmingham
Samuel Fuller Teague, Jr.	Birmingham
Carter Wright Wall	Forest Home
Harry Lee Welsted, Jr.	Auburn
Jesse Winston Wood	Fairfield
Larkin Talmadge Wyers, Jr.	Birmingham

Bachelor of Science in Chemistry

Vernon Rhodes Childress	Birmingham
Gustav Henry Franke, Jr.	Fort Clayton, C. Z.
Edward Moyer Jordan	Opelika
June Krause	Fort Lauderdale, Fla.
Henry Cason Maulshagen	Birmingham
Louis Joseph Vogel, III	Cullman

Bachelor of Science in Pharmacy

William Shirley Coursey, Jr.	Fayetteville, N. C.
James Wilson Hodges	Auburn
Herbert McLeod, Jr.	Troy
Jamie Long Meigs	Centerville
Milton Vernon Mimms	Sylacauga
Frank Bellamy Rutledge, Jr.	Demopolis
Ruby Helen Stokes	Montgomery
Oliver Lester Thagard, Jr.	Andalusia

SCHOOL OF EDUCATION

Bachelor of Science in Education

Hortense Bradford	Linden
Oscar Woodrow Burford	Marion
Vernon Paul Burns	Frisco City
Henry Frank Chunn	Salem
Mary Collins	Opelika
William Frank Darnell	Phenix City
Walter Bruner Golson	Fort Deposit
John Willis Grady	Lanett
Thomas Gregory	Honoraville
Virginia Louise Ham	Auburn
Nell Jackson	Eclectic
Robert Littleton Johnson	Athens
Margaret Erline Lide	Orrville
Annejo McRee	Hamilton
Hiram Paul Mathison	Opelika
Selwyn Carleton Nichols	Thomasville
Elizabeth Houston Nolen	Waverly
William Rufus Peters	Alexander City
Irene Randolph	Fayette
Paul Gilbert Sewell	Jacksonville
Epsie Smith Small	Opelika
Osmo Smith	Auburn
Mary McCollough Sturkie	Auburn
Clara Merrill Thagard	Andalusia
Mary Kathryn Thompson	Georgetown, Ky.

Nancye Margaret Thompson	St. Petersburg, Fla.
Wilbur Latimer Walton	Opelika
Jesse Harrison Wheeler, Jr.	Pisgah

Bachelor of Science in Agricultural Education

Joe Bob Andrews	Camp Hill
Thomas Whitfield Athey, Jr.	Grady
Thomas Atwood	Mount Hope
Richard Moore Avery	Heiberger
Harvey Franklin Bazemore	Weogufka
Cecil Orion Blackwell	Fyffe
Julian Byron Brackin	Headland
Samuel Rex Brannon	Midland City
James Wilson Brown	Heflin
John Clifford Bullington, Jr.	Athens
Orland Francis Burns	Cullman
Isaac Curtis Byrd	Ozark
John Harold Camp	Birmingham
Max Lamar Carroll	Ozark
Robert Jackson Chandler	Moundville
Joseph Justin Chastain	Talladega
Edron A. Childers	Eva
Carlyle Edward Cook, Jr.	Marion Junction
William Young Cook	Sulligent
Marvin Royce Cox	Deatsville
Andrew D. Curlee, Jr.	Wetumpka
Thomas Carlyle Davis	Cherokee
John Pope Eden	Ashville
James Fred English	Decatur
Everette Gardner	Fayette
John Pat Gary	Clayton
Richmond Pearce Goggans, Jr.	Bexar
James Robert Goodgame	Weogufka
Thomas Benjamin Hagler	Louisville
James Tellis Helms	Skipperville
Joseph Stewart Higginbotham	Round Mountain
Forrest Hilt Ingram	Lineville
Jordan Wadsworth Langford	Opp
Henry Muncy Lyda	Frisco City
Cloy Veto Lyle	Double Springs
Emmett Dehryl McCall	Brewton
William Luther Martin	Clanton
Albert Sidney Mathews, Jr.	Carson
Daniel Thomas Meadows	Salem
William Alton Murrah	Clanton
Hoyt Austin Nation	Dutton
Thomas Columbus Owen	Milltown
Thomas Early Paden	Cherokee
Joe LaFayette Parish	Headland
Sammie Elwin Pate	Columbiana
Paul Moore Prickett	Jacksonville
Roy Lee Richards	Reform
Shelvin Rudolph Spearman	Decatur
Posey Ernest Thompson	Anderson
Cecil Carlton Wallace	Hodges
Garvis Archie Walters	Foley
Hoyt Mitchell Warren	Alexander City

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David Paul Whitten	Headland
Preston Monroe Wilder	Wilsonville
Cliff Peyton Williams	Ohatchee
Grady Lee Wise	Coffee Springs

Bachelor of Science in Home Economics Education

Almeda Alldredge	Liberty
Thea Dunn	Daviston
Lucile Gaines	Crossville
Mary Hulsey	Auburn
Camilla Newberry	Chancellor
Lillie Mildred Nunn	Loachapoka

SCHOOL OF ENGINEERING

Bachelor of Science in Aeronautical Administration

William Marion Hargett	Haleyville
David Diehl Roberts	Mobile
William Henry Troup	Kankakee, Ill.
William Ezekial Vinson	Fitzgerald, Ga.

Bachelor of Science in Aeronautical Engineering

John Paul Campbell	Scottsboro
Thomas Alfred Cheatham, Jr.	Birmingham
Macon Carmichael Ellis	Auburn
Ben Crum Foshee	Red Level
Samuel Murray Hickson	Naranja, Fla.
Leroy Archibald Howard	Selma
Allison Linwell Kolbe	Birmingham
Alvah Alexander Lowrance	Charlotte, N. C.
Robert Herron Neely	Jacksonville, Fla.
James Francis Wells	Selma

Bachelor of Science in Civil Engineering

John Elvin Adams	Montgomery
James Glenn Brown	Montgomery
Thomas Seddon Burnum, Jr.	Decatur
Thomas Henry Edwards, Jr.	Montgomery
John Charles Ferris (As of June 7, 1916)	New Smyrna Beach, Fla.
Theron Francis Karge	East Rochester, N. Y.
James Wilmer McKinney	Opelika
David Sigvard Pruitt	West Palm Beach, Fla.

Bachelor of Science in Electrical Engineering

William Edwin Bennis, Jr.	Montgomery
Ben Shirley Branch	Montgomery
William James Brennan	Phenix City
Reginald Rolin Cain, Jr.	Phenix City
Leon Edward Clark, Jr.	Fairfield
John Barnett Dunbar	Montgomery
George Robert Estey	Dade City, Fla.
Frank Adolphus Ferguson	Montgomery
Joe Frank Golightly	Gadsden
Sterling Graydon, Jr.	Greenwood, S. C.

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Nelson Eugene Grubbs	Eutaw
Eugene Merritt Knight	Lacon
Robert Burt Knox, Jr.	Birmingham
Robert Edwin Ledbetter	Montgomery
Earl Hubert Lindsey	York
Jack Love	Birmingham
Chal Hamil Morrow	Cullman
Charles Stinson Myers	Opp
John Lorenzo Phillips, Jr.	Birmingham
Sydney Augustus Rodgers	New Market
Andrew Edmond Salis	Brooklyn, N. Y.
George Leiper Shumaker	Florence
George Vaughn Stelzenmuller, Jr.	Auburn
James Cleveland Swanner, Jr.	Luverne
Joe Treis	Cookeville, Tenn.
Richard Lee Watkins	Decatur

Bachelor of Science in Industrial Engineering

John Davis Brooks	Fairfield
William Caffey Edington	Mobile
George Washington Miller, Jr.	Rockford
Charles Edward Price	Eufaula
Oscar Everett Randle, Jr.	Birmingham
Clifford Law Saunders, Jr.	Birmingham
Louis Barclay Trucks	Birmingham
Clyde Harold Vann	Auburn

Bachelor of Science in Mechanical Engineering

Spencer Thomas Bachus, Jr.	Birmingham
Francis Key Bagby	Birmingham
Barnett Lynn Banks	Montgomery
Jefferson Calvin Bedsole	Montgomery
Carter Nelson Clements	Benton
Robert Alva Coleman	Tuscumbia
Andrew Dennis Cox	Gadsden
Frank Callaway Curry	Snowdown
Leander Maxwell Dickinson	Woodward
George Roberts Doughtie	Columbus, Ga.
James Thomas Durden	Montgomery
Malcolm Gay Edwards	Marion
Oliver Mayo Fletcher	Montgomery
James Murphree Folmar	Troy
Ferdinand G. Frey	Fresnillo, Zacatecas, Mex.
James Henry Hastie, Jr.	Montgomery
Emanuel Reid Hopper	Center
Marvin Gore Kemp	Lake Wales, Fla.
Kenneth Holmes MacGregor, Jr.	Baxley, Ga.
Samuel Thomas Memory	Blackshear, Ga.
Charles Suydam Metsger	Atlantic Highlands, N. J.
Ernest Wilburn Pate	Birmingham
Ernest Oliver Pearson, Jr.	Opelika
William Summie Ramseur	Birmingham
Englar Abram Roop	Warrensburg, Mo.
Ladell Murphree Smith	Gadsden
Philip Ware Smith, Jr.	Auburn
Owen Leonard Sparks	Ashland
Fred Ellis Vann	Birmingham

Homer Millard Vernon	Sumiton
Jesse Page Walker	Montgomery
Linnel Edward Wallace, Jr.	Montgomery
Thomas Watson Webb, Jr.	Mobile
Lawrence O'Neal Westbrook, Jr.	Birmingham
George Wolff, Jr.	St. Louis, Mo.
George Harrison Young	Montgomery

Bachelor of Science in Textile Engineering

Grover Cleveland Barfield, Jr. (Administration)	Columbus, Ga.
Thornton Cooper (Manufacturing)	Opelika
Jesse Foster Edmunds (Manufacturing)	Pell City
William Cuthbert Farley (Manufacturing)	Opelika
James Carlisle Farrow (Chemistry and Dyeing)	Eclectic
Joseph Franklin Gay (Manufacturing)	Opelika
Homer Henry Gossett, Jr. (Design)	Griffin, Ga.
William Davis Hall, Jr. (Manufacturing)	Atlanta, Ga.
Nolan Davis Helms (Chemistry and Dyeing)	Montgomery
Vernon Clark Hill (Chemistry and Dyeing)	Canoe
Eben Henry Hines, Jr. (Chemistry and Dyeing)	Repton
Joseph John Jigger (Chemistry and Dyeing)	Simsburg, Conn.
Charles Warner McGowin (Chemistry and Dyeing)	Jackson
Paul Kerns McKenney, Jr., (Administration)	Columbus, Ga.
Grady Jack Market (Manufacturing)	LaGrange, Ga.
Franklin Pierce Mullendore (Manufacturing)	Roanoke
Frank Dana Perdue (Administration)	Elba
Richard Fryer Rainer (Chemistry and Dyeing)	Union Springs
Marc Vincentelli Shivers (Chemistry and Dyeing)	Montgomery
Kinnaman Browning Smith (Manufacturing)	Marietta, Ga.
Leon Albion Stanley, Jr. (Administration)	Anniston
Franklin Lawrence Ward (Manufacturing)	Selma
Hugh Franklin Wright (Manufacturing)	Auburn

SCHOOL OF HOME ECONOMICS

Bachelor of Science in Home Economics

Mary Corder Beasley	Athens
Jane Fair Billingsley (Food and Nutrition)	Clanton
Minna Virginia Cottle (Food and Nutrition)	Tallassee
Irma Rainey Etheridge	Oneonta
Jeanette Frankel (Food and Nutrition)	Auburn
Margaret Elizabeth Fryer (Home Demonstration)	Fairfield
Rene Durrett Gibson	Tunica, Miss.
Rachel Hereford (Home Demonstration)	Gurley
Martha Joe Herndon (Home Demonstration)	York
Evelyn Kellogg Johnson (Food and Nutrition)	Fort Benning, Ga.
Carrie Maud Jordan (Clothing and Textiles)	Jordan
Fannie Dee Kelley (Home Demonstration)	Abbeville
Katherine Bauerlien Kieffer (Home Demonstration)	Birmingham
Billie Woodrow Killgore (Home Demonstration)	Weogufka
Lucy Pauline Lisenby (Food and Nutrition)	Dothan
Frances Louise Mann (Home Demonstration)	New Hope
Marjorie Elizabeth Miller (Home Demonstration)	Gadsden
Frances Mullen (Home Demonstration)	Dothan
Ruby Dee Pitts (Home Demonstration)	Scott's Station
Bobbie Nell Robbins	Sayre

Elise Kincaid Taylor (Home Demonstration)	Florence
Neva Jan Teague	Odenville
Artha Mae Thompson (Home Demonstration)	Weogufka
Nellie Ruth Ward (Food and Nutrition)	Auburn
Mittie Louise Welsted (Food and Nutrition)	Auburn

SCHOOL OF SCIENCE AND LITERATURE

Bachelor of Science

Jack Nolen Adams	Alexander City
Milton Blythe Bagby	Birmingham
Francina Bass	Gadsden
Hugh Jennings Bickerstaff (as of May 19, 1924)	Atlanta, Ga.
Burton Waiteman Brooks	Auburn
Walter Earle Chambers	Carbon Hill
John Sydney Cook, Jr.	Union Springs
Eileen Taylor Craigmile	Gadsden
Joseph Baines Crooks	Bessemer
Edgar Roland Donovan	Citronelle
John Alexander Dubberly	Tallassee
Lloyd Elmore Foster	Birmingham
Julian Martin Fowler	Pell City
Robert Faucett Gibbons	Auburn
Edwin Condie Godbold	Auburn
Joseph Walter Graham	Maplesville
Sidney Johnston Hardy, Jr.	Alberta
Milton Lydell Howell	Bessemer
Joe D. Hughes	Washington, D. C.
Robert Cully Johnston	Auburn
Albert Mason Killebrew	Cordele, Ga.
James Foy Laseter, Jr.	Clayton
Robert Julian McClure, Jr.	Birmingham
James Allen McCool	Fayette
William Batchelor McGehee	Greenville
Lopez Joseph Mantoux, Jr.	Birmingham
Allen Clinton Martin	Selma
Marcus Lawrence Mooney	Gadsden
Carl Lazenby Moseley	Selma
Ralph Smedley O'Gwynn	Selma
William Bancroft Ott, Jr.	Montgomery
Ivy Cecil Pitman	Fairhope
Carleton Preer, Jr.	Troy
Clarence Madison Pruet, Jr.	Ashland
Edwin Elmore Ragan, Jr.	Huntsville
Ruth Reed Riddle	Orlando, Fla.
Frank Stevens Rigell	Panama City, Fla.
William Morrell Roberts	Sylacauga
Torance Albert Russell, Jr.	Birmingham
Harvey Owen Sargent, Jr.	Washington, D. C.
Eleanor Lucile Scott	Auburn
Daniel Cooper Sellers	Cottonwood
Olie Ray Snead	Altoona
Oron Percy South	Auburn
John McDuffie Sparks, Jr.	Ensley
Edmond Scott Sprague	Ensley
Allie McLeod Stanton	Sylacauga
Sara Emeline Steele	Anniston

Howard Rankin Strong	Brewton
Edwin Enfred Sundberg	Fairhope
Vernon Porter Terry, Jr.	Birmingham
John Brooks Thomas, Jr.	Sipsey
William Davis Thompson	Altoona
Samuel Eugene Trotter	Letohatchee
Alvin Ward Vogtle, Jr.	Birmingham
Marion Walton Walker	Dothan
Horace Wilkinson Weissinger	Selma
John Hill West	Louisville
Doris Elaine White	Pensacola, Fla.
Robert Hill Wilder	Dadeville
Julian Eugene Williams, Jr.	Bellamy
William David Wittel	Auburn
Gerald Parker Yelverton	Montgomery

SCHOOL OF VETERINARY MEDICINE

Doctor of Veterinary Medicine

William Raleigh Beasley	Claxton, Ga.
Cadwallader Brock	Auburn
John Wailes DeMilly, Jr.	Tallahassee, Fla.
David Edward Gibbs	Cincinnati, Ohio
Ben Stephen Huston	Lyman, Miss.
George Michael Johnson	Norcross, Ga.
Carl Herbert Jones	Red Level
Harry Menken Kroll	Brooklyn, N. Y.
Wilkie Hudson Lee	Fort Deposit
Ralph Waldo Marsh	Auburn
Edward Dearborn Marston	Manchester, N. H.
Myles Standish Piper	Auburn
Charles Benjamin Plummer, Jr.	Homestead, Fla.
Mac Rachman	New London, Conn.
Malcolm James Rattray, Jr.	Vidalia, Ga.
Harvey Louis Rubin	Los Angeles, Cal.
Wilfred Warner Staples	Anniston
Joseph Steven Stein	Colquitt, Ga.
Hiram Lloyd Sutherland	Kinston
Herbert Spencer Tally	Douglas, Ga.
Harold Benjamin Title	Brooklyn, N. Y.
Isidore Victor Weisberg	Brooklyn, N. Y.
Frederick Jack Weitz	Eggertsville, N. Y.
Seymour Wolf	Red Bank, N. J.

SCHOOL OF GRADUATE STUDIES

Master of Science

George Washington Franklin	Ashville
A. B., Howard College, 1937. Thesis: History of St. Clair County.	
Lillian Meadows	Opelika
B. S., 1930. Thesis: John Tyler Morgan and the Interoceanic Canal.	
Harry Smith Thach	Auburn
A. B., University of Florida, 1930. Thesis: The Alabama Constitutional Convention of 1901.	

Florence Weldon Lanett
A. B., Huntingdon College, 1925. Thesis: A History of Opelika
from 1836 through 1900.

Hazel Butler Wible Opelika
B. S., 1934. Thesis: History of Montgomery, Alabama, 1860-1865.

Master in Chemical Engineering

Charles Smith Chisolm Selma
B. S., 1938. Thesis: The Use of Sweet Potato Starch in the Pre-
paration of Phenol-Formaldehyde Resins.

Master of Science in Education

John Harry Dey, Jr. LaFayette
A. B., University of Alabama, 1930. Thesis: The History of Edu-
cation in Conecuh County, Alabama, 1818-1938.

Margaret Reynolds Stapp Evergreen
B. S., Alabama College, 1935. Thesis: Experience Units Introduc-
ing Consumer Education into the Program of the Junior High
School.

Robert Samuel Tillman Auburn
B. S., Howard College, 1932. Thesis: An Analysis of the Argu-
ments Presented to Congress For and Against the Harrison-Black-
Fletcher Bill.

Alfred Coleman Walker Loachapoka
B. S., Birmingham-Southern College, 1929. Thesis: The Political
Career of John Murphy.

Master in Electrical Engineering

George Thornton Nelson Birmingham
B. S., 1938. Thesis: A Study of Transient Currents in Electric
Circuits.

Master in Mechanical Engineering

Marshall Oliver Crumbaker Fairbury, Ill.
B. S., 1938. Thesis: Hardness Testing of Light Gauge Sheet Steel.

James Allen Townsend Delaware, Ohio
B. S., West Virginia University, 1938. Thesis: Hardness Testing
of Light Gauge Sheet Steel by Scratch Resistance.

Master of Science in Veterinary Medicine

James Etheridge Greene Auburn
D. V. M., 1933. Thesis: An Immunological Study of Canine Hema-
tozoa.

Master of Science in Wildlife Management

James Woodrow Webb Kathwood, S. C.
B. S., Furman University, 1936. Thesis: The Value of Certain
Agronomic Plants as Food for Bob White Quail.

PROFESSIONAL DEGREE

Civil Engineer

Theodore Franklin Yancey New Orleans, La.
B. S., 1926. Thesis: The Materials, Design and Manufacture of
Sub-aqueous Asphaltic Mixture.

Electrical Engineer

Roy Willis Wages Birmingham
B. S., 1933. Thesis: Advantages of Central Station Service for
Industrial Operations, as Compared with Isolated Power.