

5-1-1967

# Clemson Commencement Program, May 1967

Clemson University

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## Recommended Citation

University, Clemson, "Clemson Commencement Program, May 1967" (1967). *Clemson Commencement Programs*. 184.  
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# CLEMSON UNIVERSITY

Seventy-first Commencement

May 6, 1967

Clemson, South Carolina

## Order of Exercises

5 P.M.

## Outdoor Theater

## Selections by the University Band

## Academic Procession

(Audience will please stand and remain standing for the invocation)

## Invocation

The Reverend Paul Lewis, C.S.P.  
Pastor, St. Andrews Catholic Church  
Clemson, South Carolina

## Address to Graduating Class

Dr. J. George Harrar  
President, The Rockefeller Foundation  
New York, New York

## Authorization by the Board of Trustees

The Honorable Edgar A. Brown  
President, The Board of Trustees

## **Conferring of Degrees and Delivery of Diplomas**

Dr. Robert C. Edwards  
President, Clemson University

## Alma Mater

## Benediction

(Audience will please be seated as graduates march out)

Mr. Bruce E. Cook, Director

Mr. Bruce F. Cook, Director

## Historical Statement

Clemson University is named for Thomas Green Clemson (1807-1888), who left the bulk of his estate to the State of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828-1832). His early profession was that of a mining engineer; but circumstances diverted his interests into politics and the life of a Southern Planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (charge d'affaires to Belgium, 1844-1852), and served as the first superintendent of agricultural affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry, and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in the founding of Clemson University.

Thomas Clemson was the son-in-law of South Carolina's John C. Calhoun, a political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today Clemson University's enrollment is 5,800 and the current catalog lists thirty-eight undergraduate and fifty-six graduate curricula.

The University has seven major academic units. These are the College of Agriculture and Biological Sciences; the School of Architecture; the College of Arts and Sciences; the School of Education; the College of Engineering; the School of Industrial Management and Textile Science; and the School of Graduate Study.

The institution became an accredited member of the Southern Association of Colleges and Schools in 1927. The civil, electrical, and mechanical engineering curricula were accredited by the Engineers' Council for Professional Development in 1937. Curricula in agricultural, ceramic, and chemical engineering were accredited by ECPD in 1953, 1955, and 1959, respectively.

The chemistry curriculum was first accredited by the American Chemical Society in 1953 and the architectural curriculum by the National Architectural Accrediting Board in 1956. The forestry curriculum was accredited by the Society of American Foresters in 1962.

Clemson is the Land-Grant University of South Carolina. As such the institution is engaged not only in its primary academic program, but does extensive research at the main campus and at six agricultural experiment stations located in the state. The University is also heavily committed to a varied program of public service, including the work of agricultural extension which has professional personnel located in each of the state's counties.

## CANDIDATES FOR BACHELORS' DEGREES

MAY 6, 1967

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### BACHELOR OF SCIENCE DEGREE

##### Agricultural Economics

William Phillip Hardee	Conway	Andy Divine Johnson	Loris
James Alton Hiers	Hampton	Henry Woodbury Moore, Jr.	Columbia
Ronald Dennis Hunter	Piedmont	James Frank Tullis	London, Ohio

##### Agronomy

Wooster LeRoy Atkinson	Bishopville	* Robert Allan Phelps	Scottsdale, Ariz.
Robert Wallace Hardaway	Dillon	Howard Duncan Sharman III	Estill
* David Bennett Ledbetter	Williamston		

##### Animal Science

Walter Lewis Dantzler	Santee	Harry Eugene Wilson	Lobeco
Daniel Edward Ramage	Pittsburgh, Pa.		

##### Biology

James Allen Altman	Andrews	John David Palmer, Jr.	Albany, Ga.
Stephen Howard Best	Fayetteville, N. C.	Robert Boyd Spradley, Jr.	Chapin
Claude Everette Cooper, Jr.	Bossier City, La.	George McDowell Templeton	
William Dusenberry Dean	Clemson		Greensboro, N. C.
William King Manos	California, Md.		

##### Dairy Science

* Ollie Tyrone Gray	Cordova	Elias Doar Tupper II	Summerville
* James Corbitt Kelly	Monticello, Ga.		

##### Entomology

Robert Edward Glenn	Florence	Curtis Garren Hayes	Central
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##### Forestry

Francis Thomas Brown	Wedgefield	William Chafee Moore, Jr.	North Augusta
James William Edwards, Jr.	Georgetown	Robert Preston Neale	Chevy Chase, Md.
Bentley Gibson Fishburne, Jr.	Sumter	** Richard Camman Niederhof	Bonneau
Tack Brooks Hafner	Miami, Fla.	John Carroll Taylor	Winnsboro
Lawrence Albert Harmon	Hopkins	James Gordon Williams, Jr.	Ridge Spring
Neill Michael Hugg	Columbia		

##### Horticulture

Curtis Clarkson Graham, Jr.	Mount Ulla, N. C.	* Carroll Theodore Stephens	North Augusta
* Karl-Heinz Segelken	Hilgermissen, Germany		

## SCHOOL OF ARCHITECTURE

#### BACHELOR OF ARCHITECTURE DEGREE

William Russell Bethune	Columbia	James Irving Martin	Terrell, N. C.
Edward Ward Blakely	Simpsonville	Paul Robert Miller	Newburgh, N. Y.
John Hart Cable	Pittsburgh, Pa.	* John Lesesne Monteith	Columbia
Robert Arthur Engler	Piscataway, N. J.	Noel Serwin Musical	Elizabeth, N. J.
Carl Floyd III	Fort Lauderdale, Fla.	William Hantsche Parsons, Jr.	
Michael McKinley Freeman	Asheville, N. C.		Lutherville, Md.
Edwin Roy Lashley, Jr.	Greensboro, N. C.	James Edgar Phillips	Greenville
Michael Clay Long	Saluda	James Clarke Plaxco	Columbia

### BACHELOR OF BUILDING CONSTRUCTION

Robert Keith Luckabaugh ----- Baltimore, Md. Harry Corbett Tiller, Jr. ----- Georgetown

### COLLEGE OF ARTS AND SCIENCES

#### BACHELOR OF ARTS DEGREE

Patricia Ann Abbott	Seneca	James William Logan, Jr.	Sumter
Linda Sue Acree	Mississippi City, Miss.	John Grow Maher	Manhasset, N. Y.
Carl Truesdale Best	Wurtsmith AFB, Mich.	Lucile Welborn Merritt	Easley
Charles Julian Betheda, Jr.	McColl	* Richard Edwin Miley	Charleston
John Frank Biggers III	Matthews, N. C.	Nancy McKeehan Miller	Westminster
Dillard Watson Bray, Jr.	Clemson	John Dail Moore	Glennville, Ga.
Douglas Alan Campbell	Concord, N. H.	Mary Janis Moore	Clemson
Sammie George Carros	Spartanburg	DaCosta Muckenfuss, Jr.	Summerville
Ryan Cole Cobb	Starr	Charles Gregory Nesmith	Georgetown
* Herbert Stuart Cotton, Jr.	Columbia	Lloyd Wayne Page	Lake View
Peggy Joy Townsend Cruse	Summit, N. J.	Ronald Jack Porter	Rock Hill
Susan Libby Denberg	Columbia	* William Joseph Pridemore	Union
* Carol Dyan Dillard	Clemson	Linda Marie Ramsay	Madison
Nancy Evans Elrod	Griffin, Ga.	James Whiten Rankin, Jr.	Greensboro, N. C.
Charles William Fairbrother	West Medway, Mass.	John Ranney	Auburn, Ala.
** Judith Marie Florie	North Augusta	Fuller Lyon Reese III	Clinton
Theron Daniel Ford, Jr.	North Augusta	Dwight Raymond Reynolds	Royal Oak, Mich.
James Childs Fort	Anderson	* Terry Edward Richardson, Jr.	Barnwell
James Monroe Gardner, Jr.	Walterboro	*** Robert James Rolli	Wayne, Pa.
Kenneth Lyle Gardner	Cinnaminson, N. J.	** Carolyn Ann Rowland	Clemson
Terry Gilmore Gardner	Lancaster	Elbert Manning Rozier, Jr.	Charleston
Steven Richard Goldstein	Baldwin, N. Y.	Wilbur McPerry Rumph	Camden
Michael Joslin Gordon	Rock Hill	George Dexter Rush III	Ware Shoals
Graham Hill Gutting	Alexandria, Va.	Joseph Andrew Sedlak, Jr.	Sparta, N. J.
* William Neely Hannah	Atlanta, Ga.	William Clayton Sharpe	Mobile, Ala.
Henry Michael Herlong, Jr.	Edgefield	Wendell Griffith Shealy	Little Mountain
** Sandra Elaine Hicks	Liberty	* Anna Margaret Gilmer Shivers	Rock Hill
** Charles Edward Hill	Jackson	Donald Lemont Sikes	Largo, Fla.
Carl Haller Huffman	Aiken	Cody Walker Smith, Jr.	Fort Mill
Thomas Howard Hutchison	Savannah, Ga.	* Richard Donnell Smith	Liberty
Terance Lee Jahnke	Camden	** Samuel David Smithyman	Spartanburg
Stanley Walter Jaskiewicz, Jr.	Charleston	Daniel Alvah Speights	Hampton
Charles Richard Johnson	Crewe, Va.	Joseph Carroll Stevenson, Jr.	Greenville
** Melinda Hughs Johnson	Walhalla	John Wilbur Stoudenmire, Jr.	Sumter
William Harold Johnson, Jr.	Greenville	Sandra Lea Tarquinio	Weirton, W. Va.
Theodore Micheal Katana	Latrobe, Pa.	George Everett Thompson, Jr.	Chesnee
Leon Godley Keirsted	Oakhurst, N. J.	Thomas Seabrook Townsend II	Wadmalaw Island
Patrick James Kenefick	Schenectady, N. Y.	William Samuel Walker, Jr.	Nichols
Eugene Merrill Klein	Bronx, N. Y.	Vernon Larry Walters	Clemson
Nicholaos Philip Laskas	Spartanburg	William Knette Williams, Jr.	Honea Path
James Calvin Linder	Charleston Heights	Nancy Carol Wyatt	Seneca

#### BACHELOR OF SCIENCE DEGREE

##### Arts and Sciences

Tony Marshall Hooper ----- Clemson

##### Chemistry

David Richard Bailey	Anderson	*** Nelson Boyd O'Bryan, Jr.	Salters
Donald Allen Copeland	Greenville	Joseph Lucas Ruzicka, Jr.	North Augusta
* William Carter Kneece, Jr.	Augusta, Ga.		

##### Geology

Ronald Norton Priddy ----- Harleyville Ralph O'Neil Richardson ----- Myrtle Beach

### **Mathematics**

*** Miriam Bridges Ausburn	Easley	* William Pickens Hannah	Greenville
* Joseph Morris Bibar	Spartanburg	** Susan Renfroe Moore	Columbia
William Edward Branch	Monmouth, N. J.	* William Charles Runnion	Greenville
* Charles Felder Cottingham	Dillon		

### **Physics**

* James Malcolm Heller, Jr.	Sandy Springs	Oliver Baker Morton	Columbia
* Larry Veron McWhorter	Easley	* Ralph Eugene Painter, Jr.	Gaffney
*** William Clarence Maddox, Jr.	Honea Path		

### **Pre-Medicine**

* James Harman Carson, Jr.	Sumter	Frank Adelbert Hoshall, Jr.	Charleston
Frederick Fuessel Chisholm, Jr.	Greenville	George Hilliard Knight	North Augusta
Harold Minch Coombs, Jr.		* Harry Randolph Mahaffey	LaGrange, Ga.
Scotch Plains, N. J.		Philip Frank Marion	Milmont Park, Pa.
Frank Preston Copeland III	Darlington	* John Douglas Matthew	North Charleston
Ellis Howard Dantzler	Cameron	Travis Lanier Moon	Lavonia, Ga.
* Richard Lee Denny	Bishopville	* Peter Evans Myers IV	Moncks Corner
* Joseph William Donahoe	Bethesda, Md.	John Patrick Nemergut	Strafford, Conn.
Barney Brown Easterling, Jr.	Kingtree	Marvin Travis Runyon III	London, Ontario
Richard Elliott Eubanks	Wellford	William Franklyn Shivers, Jr.	Marietta
*** Henry Miles Faris, Jr.	Laurens	William Thomas Sprott, Jr.	Winnsboro
* Charles Ellis Felkel, Jr.	Elloree	** James Lawrence Sutherland	Clemson
Robert Perry Frady	Cowpens	** Stanley Edward Von Hofe	Simpsonville
James Blair Frazier IV	Winnsboro	Belton Edward Weeks	North Augusta
Raymond Van Grubbs	Fair Play		

### **ASSOCIATE OF ARTS DEGREE**

#### **Nursing**

Sara Louise Barnett	Westminster
* Martha Gaynell Blackwell	Seneca
*** Claudia Ann Cheek	Greenville
Brenda Loretta Fowler	Anderson
Helen Marie Hunnicutt	Clemson
Rebecca Gail Kingsmore	Greenville
*** Sandra Jeanette Lee	Pendleton

Willie Lura Ligon	Greenwood
Doris Elane Lowery	North Augusta
** Helen Freize Mulkey	Greenville
Doreen Kay Scruggs	Jackson
* Elizabeth Ann Shannon	Greenwood
Barbara Campbell Shirley	Pendleton
Sandra Jean Walker	Greenwood

### **SCHOOL OF EDUCATION**

#### **BACHELOR OF SCIENCE DEGREE**

##### **Agricultural Education**

(Agricultural Education is jointly administered by the College of Agriculture and Biological Sciences and the School of Education.)

Charles Garry Helms	Pelzer
James Theodore McClary, Jr.	Kingtree
Billy LeRoy Morris, Jr.	Andrews
Peter Jack Newton, Jr.	McColl

James Wilson Pooser	Cameron
Edwin deBerry Rogers II	Nichols
George Russell Sutton	Fort Mill

##### **Industrial Education**

Michael Fredrick Kelly	Little Silver, N. J.
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Robert Vernon Weaver, Jr.	Murphy, N. C.
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##### **Science Teaching**

Evelyn Clark Elrod	Ware Shoals
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Carol Jeanette Rostron	Clemson
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## COLLEGE OF ENGINEERING

### BACHELOR OF SCIENCE DEGREE

#### Agricultural Engineering

(Agricultural Engineering is jointly administered by the College of Agriculture and Biological Sciences and the College of Engineering.)

Carl Emeneker Brown, Jr. ----- Aiken  
Daniel Edward Burgher -- Greeneville, Tenn.

Robert Cunningham Richards ---- Macon, Ga.

#### Ceramic Engineering

\* Denis Albert Brosnan ----- Atlanta, Ga.  
\* Donald Lee Hindman ----- Walhalla

George Patrick Lawrence ---- Charlotte, N. C.

#### Chemical Engineering

Frederick Charles Ayer III ----- Seneca  
Charles Gary Beaudrot ----- Greenwood  
Leander Bartholomew Bowen ----- Iva  
Ben Terry Clark III ----- Charleston  
William Michael Click ----- Gainesville, Ga.  
\* Edward Darrell Conner ----- Timmonsville  
Dean Cudd Gaskins ----- Spartanburg  
\*\* James Gordon Goodwin, Jr. --- Walterboro  
James Parker Haggard IV ----- Newton, N. J.  
Robert Anton Hudson ----- Seneca

\* Harry Edward Lindler ----- Laurens  
Frank Joseph Lutz III ----- Pittsburgh, Pa.  
Rupert James McCormac III ----- Columbia  
Frederick Bergen Moore --- Kingsport, Tenn.  
\*\* Theodore McGeachy Northrop -- Greenville  
\*\* Peter Gaillard Smith ----- Johns Island  
Eugene Preston Trotter, Jr. ----- Easley  
Robert Miller Ward, Jr. ----- Rock Hill  
Alfred Charles Whittemore ----- Easley  
Jack Lee Wilks, Jr. ----- Charleston

#### Civil Engineering

Herman Woodrow Cauble, Jr. ----- Columbia  
\*\*\* Norman Edwin Dowling --- Orangeburg  
James William Epps ----- Clemson  
Robert Barnard Gordon ----- Edgewater, Md.  
Donald Hugh Higgins ----- Asheville, N. C.  
David Alan Jones ----- Asheville, N. C.  
\* Terry Arnold Kingsmore ----- Buffalo  
\* Glenn Wade Phillips ----- Tampa, Fla.

Jack Beverley Phillips, Jr. ----- North Augusta  
\*\* David Thomas Seaman --- Bethlehem, Pa.  
Ernest Harold Smith ----- Rock Hill  
Donald Franklin Spencer ----- Greenville  
Ronald Lee Spencer ----- Greenville  
Thomas Emmett Touchstone -- Commerce, Ga.  
\* Harold Joe Willson ----- Sumter

#### Electrical Engineering

Richard Brown Bankhead, Jr. ----- Cocoa, Fla.  
John Herman Beckroge, Jr. ----- Columbia  
Samuel McDonald Brice, Jr. ----- Blackstock  
\* David Raymond Crawford ----- Greenville  
‡ Andrew Calvin Dickert ----- Lancaster  
William Franklin Dorsey ----- Clemson  
Rodney Wilson Ducker ----- Charleston  
\* Edward Franklin Eison -- North Charleston  
William John Ferrara III ----- Charleston  
\* Richard Dean Franklin ----- Clemson  
William Haskell Horton ----- Charleston  
\* William Albert Larsen, Jr. ----- Greenville

\* Samuel Claude Martin ----- Easley  
\* Samuel Arron Mitchum ----- Charleston  
Charles Blake Morgan ----- Union  
\* George Mitchell Morris ----- Greer  
\* William Ricks Riggs ----- Charleston  
Emory Lamar Sheppard Hendersonville, N. C.  
Patrick Laurence Slattery ----- Charleston  
Charles Randolph Smith ----- Anderson  
\*\* Thomas Marion Smith ----- Greenwood  
\* Kenneth Crawford Traynham --- Cheraw  
James David Wasson, Jr. ----- Laurens  
James Travis Williamson ----- Salters

#### Industrial Engineering

David Harold Cole ----- Columbia  
Charles Oliver Farnum III ----- Orangeburg  
Vernon LaRue Gaskins ----- Chesterfield

Stacy Lowell Hull ----- Charleston  
John Frank Lee III ----- Atlanta, Ga.

### Mechanical Engineering

* Douglas Eric Alexander	Spartanburg	Pickens
Melvin Don Blanton, Jr.	Gaffney	Clemson
Charles Austin Burdette	Simpsonville	Pelzer
Edward Rutledge Gray	Charleston	Brooklyn, N. Y.
Paul Michael Grieb	Winnsboro	* Greenville
Clarence Arthur Ham	Charleston	Charleston
John Gordon Hammond, Jr.	Sandy Springs	Orangeburg
Robert Lawrence Hill, Jr.	Charleston Heights	* Bedford, Mass.
Paul Philip Hok, Jr.	Farmingdale, N. Y.	Martha Jean Robinson Jacksonville, Fla.
Bruce Walter Holcombe	Lyman	William Robert Smith Greenville
William Barker Kuykendal	Atlanta, Ga.	Robert Houston Stephens Laurens
Allan Michael Lindsey	Pickens	James Myron Thompson Atlanta, Ga.

## SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### BACHELOR OF SCIENCE DEGREE

#### Industrial Management

James Garner Bagnal III	Statesville, N. C.	Glenn Eugene McFarland	Hartsville
Phillips McBride Brooks, Jr.	Newberry	Robert Richardson Martin, Jr.	Anderson
Michael Ernest Brown	Dublin, Ga.	Charles Beaudrot Mauldin, Jr.	Greenwood
Lacy McAden Chatneuff	Raleigh, N. C.	William Fritz Mays	Allendale
Jimmy Don Clark	Kissimmee, Fla.	Lever William Metts, Jr.	Orangeburg
Samuel Boyd Daniels, Jr.	Dillon	Ted Gary Moore	Calhoun, Ga.
* Robert William Dilworth, Jr.	Walhalla	* Thomas Arnold Pedersen	Greenville
George Gerry Doubleday	Knoxville, Tenn.	William Jackson Ragsdale, Jr.	Easley
Donald Edgar Duncan	Travelers Rest	Gregory Denny Roberts	Aiken
Charles George Elfert, Jr.	Scranton	Edward Verner Schlaefer	Columbia
Stephen Nash Gillespie	Commerce, Ga.	Jimmy Wayne Spradley	Wagener
Jerry Mack Gregory	Union	Fred Ernest Stallworth	Charlotte, N. C.
Bruce William Johnson	Lawrence, N. Y.	Mark Keith Stewart	Hartsville
Ben Eberhart Josey	Milledgeville, Ga.	Charles David Thompson	Rock Hill
Forest Edward Kinnett, Jr.	Lyman	James Edward Walton, Jr.	Sumter
Clinton Calhoun Lemon, Jr.	Barnwell	James Thomas Weaver	Greenville
Maurice King Lopez, Jr.	Iva	Thomas Eugene Welborn	Easley
John David McDaniel, Jr.	Liberty	Randall Pershing Windham	Lamar

#### Textile Chemistry

*** Hubert Jennings Booth	Hartsville	William Ryan Hovis	Rock Hill
Patrick Day Braddy	Aiken	Warren Sumner Perkins	Elloree

#### Textile Management

Ronald Lee Boyce	Cooleemee, N. C.	Roger Ellison Hood	Williamston
Everett Max Cromer	Greenville	Russell Lee Jordan	Spartanburg
William Wiley Curtis, Jr.	Laurel, Miss.	Larry Kenneth Lott	Vaucluse
Ronald Lane Dance	Lugoff	Roy Everett McAbee	Inman
Ronald Lee Farley	Gaffney	Ronald Wayne Rogers	Anderson
Marion David Hiott	Williamston	Jack William Sparks	Gaffney

#### Textile Science

Tommie Woodrow James, Jr.	Sumter	** Howard Gary Rogers	Williamston
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\* With honor

\*\* With high honor

\*\*\* With highest honor

# With departmental honors

## CANDIDATES FOR MASTERS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### MASTER OF SCIENCE DEGREE

##### Agronomy

Marvin Burruss Banton \_\_\_\_\_ Richmond, Va.

##### Horticulture

John Wallace Curnow \_\_\_\_\_ Charlotte, N. C. John Davis Ridley \_\_\_\_\_ Mountain Rest  
Maurice Edgar Ferree \_\_\_\_\_ Clemson

##### Zoology

George Francis R. Buletzka, Jr. ... Fair Lawn, N. J. Benny Dee Pate \_\_\_\_\_ Marion

### COLLEGE OF ARTS AND SCIENCES

#### MASTER OF ARTS DEGREE

##### English

Dixie Reed Gooch \_\_\_\_\_ Clemson Leonidas Constantine Smith III ... Polkton, N. C.  
Mellie Clark LaRoche \_\_\_\_\_ Columbia

##### History

Lynda Worley Skelton \_\_\_\_\_ Macon, Ga.

#### MASTER OF SCIENCE DEGREE

##### Chemistry

Joseph Henry Cecil \_\_\_\_\_ Louisville, Ky. Billy Thomas Upchurch ... Rocky Mount, N. C.

##### Mathematics

Joann Barbee Barnhardt \_\_\_\_ Oakboro, N. C. Norman Charles Schaffer ... Ormond Beach, Fla.  
James Roy Felker, Jr. \_\_\_\_\_ Newberry

## SCHOOL OF EDUCATION

### MASTER OF EDUCATION DEGREE

Mary Watford Gore ..... Pageland

## COLLEGE OF ENGINEERING

### MASTER OF SCIENCE DEGREE

#### Agricultural Engineering

(Agricultural Engineering is jointly administered by the College of Agriculture and Biological Sciences and the College of Engineering.)

Wiboolsac Arunin ..... Bangkok, Thailand      Luke Atkinson Nance, Jr. ..... Spartanburg

#### Ceramic Engineering

Cressie Earl Holcombe, Jr. ..... Anderson      Ralph Benjamin Videlto ..... Adams Center, N. Y.

#### Chemical Engineering

Ronald Wayne Glass ..... Leachville, Ark.

#### Civil Engineering

Ayse Nurseli Cezayirlioglu ..... Ankara, Turkey      Refet Cezayirlioglu ..... Iskenderun, Turkey

#### Electrical Engineering

Chao-Ran Huang ..... Tainan, Taiwan

#### Engineering Mechanics

Conor Deane Johnson ..... Orange, Va.

#### Environmental Systems Engineering

Albert Anthony Cannella ..... Cookeville, Tenn.

#### Mechanical Engineering

Frederick Adair Dunlap III ..... Rock Hill      Hal Owen Jones ..... Kingsport, Tenn.  
William Thomas Erwin ..... Memphis, Tenn.

## CANDIDATES FOR DOCTORS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### DOCTOR OF PHILOSOPHY DEGREE

##### Agronomy

Kenneth Edward Savage \_\_\_\_\_ Proctor, Ark.  
B.S., Arkansas State; M.S., Clemson University  
Dissertation: Phenylurea Herbicide Behavior in Soil as Related to Calcium and Hydrogen Ion Activity

##### Entomology

Gerhard Fred Fedde \_\_\_\_\_ Asheville, N. C.  
B.S., New York State College of Forestry; M.S., Clemson University  
Dissertation: Comparative Analyses of Systematic Procedures and Biological Characteristics Relating to Pine Aphids of the Genus *Cinara* in Western South Carolina

Jerry Allen Payne \_\_\_\_\_ Upperville, Va.  
B.S., University of Tennessee; M.S., Clemson University  
Dissertation: A Comparative Ecological Study of Pig Carrion Decomposition and Animal Succession with Special Reference to the Insects

### COLLEGE OF ARTS AND SCIENCES

#### DOCTOR OF PHILOSOPHY DEGREE

##### Chemistry

George Thomas Cochran \_\_\_\_\_ New Lenox, Ill.  
B.S., University of Richmond; M.S., University of Tennessee  
Dissertation: A Study of the Coordination Compounds of d 1-p, p'-Diamino-2, 3-diphenylbutane with Selected Univalent Metal Ions

##### Physics

Charles Malcolm Bowden \_\_\_\_\_ Richmond, Va.  
B.S., University of Richmond; M.S., University of Virginia  
Dissertation: Electron Spin Resonance Studies of Tri-Valent Gadolinium in Calcium Fluoride Single Crystals Under Applied Stress

William James Reid, Jr. \_\_\_\_\_ Abbeville  
B.S., Erskine College; M.S., Duke University  
Dissertation: The Effect of Strain on the Superconducting Transition Temperature of Vacuum Deposited Indium Films

### COLLEGE OF ENGINEERING

#### DOCTOR OF PHILOSOPHY DEGREE

Samuel John Kasley \_\_\_\_\_ Wheeling, W. Va.  
B.S., West Virginia University; M.S., Clemson University  
Dissertation: Oxygen Transfer and Utilization Determinations for a Mathematical Model for the Submerged Fermentation of Glucose by *Pseudomonas ovalis* (Field of Specialization: Chemical Engineering)

## Recipients of Honorary Degrees

### **CHARLES FREDERICK ANDRUS**

CHARLES FREDERICK ANDRUS is Research Horticulturist in charge of the United States Vegetable Breeding Laboratory, United States Department of Agriculture, at Charleston, South Carolina. For thirty years he has been actively engaged in the development of disease-resistant vegetables, particularly adapted to South Carolina and the southeast portion of the United States. He is a native of Illinois and did his undergraduate work at Illinois State Normal University. He received his Master's degree from George Washington University and has done further graduate work at the University of Maryland. His research in the fields of plant pathology and horticulture has resulted in substantial contributions in the improvement of fruits and vegetables. He is a member of numerous professional and civic organizations concerned with the advancement of agriculture.

### **ROBERT THOMAS COLEMAN, JUNIOR**

ROBERT THOMAS COLEMAN, JUNIOR, was born in Texas and has devoted most of his adult career to the field of education. After graduating from the University of Texas, he attended Harvard University where he received his Master's degree. He came to Converse College, Spartanburg, South Carolina, in 1959, where he is now serving as its president. During his tenure the institution which he heads has had a remarkable growth, not only in physical and financial resources, but also in strengthening the academic excellence of the institution. He has been active in civic and educational organizations in the State. He is presently serving as an officer of the South Carolina Foundation of Independent Colleges.

### **JAMES GILLIAM GEE**

JAMES GILLIAM GEE is a native of South Carolina. He graduated from Clemson University in 1917, having been an outstanding scholar and athlete. He did graduate work at Cornell and Harvard Universities, and received his doctoral degree from George Peabody College. Except for a period of six years in military service during World War II, he has devoted his career to the field of education. He served as President of East Texas State University for nineteen years, retiring in 1966. He is now President Emeritus of that institution. During his period of presidency East Texas State University experienced an exceptional growth and development, much of which is credited to the foresight and leadership of Doctor Gee. He has been active in numerous professional educational organizations, having served as Chairman of the Council of Texas State College and University Presidents and Chairman of the Kiwanis International Committee on Vocational Guidance.

### **J. GEORGE HARRAR**

J. GEORGE HARRAR is President of the Rockefeller Foundation. He holds a Bachelor's degree from Oberlin College, a Master of Science degree from Iowa State College, and his Doctor of Philosophy degree from the University of Minnesota. He has had a distinguished career as an educator and author. He has served on the faculties of several colleges and universities in the United States and foreign lands. For more than twenty years he has been actively connected with the Rockefeller Foundation, concerned with the international development of agriculture. He is the recipient of many awards and honors from foreign countries and the United States for his distinguished service. In addition to his earned degrees, numerous honorary degrees have been conferred upon him in recognition of his outstanding service to mankind.

### **EDWIN CRAIG WALL**

EDWIN CRAIG WALL has served his adopted state of South Carolina in many advisory capacities for industrial, civic, and governmental improvements. He was born in North Carolina and attended The University of North Carolina. For more than thirty years he has resided in South Carolina where he has been closely allied with the manufacture and production of forest products. Over the years he has been actively concerned in the conservation of natural resources and has served on numerous governmental commissions concerned with conservation. His personal interest in education is evidenced by his active service as a member of boards of several different colleges and universities. He is presently serving as a member of the State Advisory Commission on Higher Education.

## Emeritus Professors

*A faculty member who has a minimum of fifteen years academic service, ten of which has been at Clemson, and who is on active status at Clemson when he reaches retirement age, is awarded the title "Emeritus." During the 1966-1967 year this title has been earned by seven professors:*

EUGENE FRANKLIN CARTEE, Professor of Weaving and Designing, joined the University faculty in 1927, after serving two years with Clover public schools. A native of Liberty, South Carolina, Mr. Cartee is a graduate of Clemson and has the M.S. degree from the University of Tennessee. He is past president of the Exchange Club and Pickens Wildlife Chapter. He is the author of several books for Textile schools as well as articles in various Textile publications.

HAROLD HOMER FOSTER, Associate Professor of Botany and Bacteriology, joined the research faculty of Clemson University in November of 1947. Prior to this he worked with the Tobacco Division of the United States Department of Agriculture, the Tobacco Institute of Puerto Rico, and the Mississippi Agricultural Experiment Station. A native of Arlington, Iowa, Dr. Foster received the A.B. degree from Upper Iowa University, the M.S. from the University of Nebraska, and the Ph.D. from the University of Wisconsin. He is a member of the American Phytopathological Society, the American Association for the Advancement of Science, Sigma Xi, and Phi Sigma. He is the author of numerous publications dealing with the diseases of tobacco, vegetables, and fruits.

BAXTER HOWARD HODGES, Assistant Professor of Chemistry, received his B.S. degree from Clemson in 1933, and joined the faculty as a graduate assistant instructor that fall. He did graduate work at The University of North Carolina during each summer from 1936 to 1939 and at The Virginia Polytechnic Institute from 1940 to 1942. He was promoted to instructor in 1935 and to assistant professor in 1941, in which capacity he has served until the present. He is a member of Alpha Chi Sigma, professional chemical fraternity.

ALBERT RAYMOND REED, Associate Professor of Physics, joined the Clemson faculty in 1925 as an instructor in physics. A native of North, South Carolina, Mr. Reed received his A.B. degree from Wofford College and his M.S. in chemistry from The Univer-

sity of South Carolina in 1931 and then carried out graduate work in physics at The University of North Carolina during the summers of 1931 and 1933. During most of the summers from 1952 to date he carried out experimental work at The Naval Ordnance Laboratory at Silver Spring, Maryland. He was promoted to assistant professor of physics at Clemson in 1937, and associate professor in 1943. He is a member of various civic clubs and scientific organizations.

CHARLES ALBERT REED, Professor of Physics, joined the Clemson Faculty in 1948 after having served as head of the physics department of South Georgia College for thirteen years and then becoming an instructor in physics at the University of Oklahoma. A native of Stillwater, Oklahoma, Dr. Reed earned his B.A., M.S., and Ph.D. degrees from The University of Oklahoma. He became a member of the Clemson staff as an associate professor and was promoted to professor of physics in 1950. He is a member of Sigma Xi, Phi Kappa Phi, and various civic and professional societies. Dr. Reed has been active in research in solid-state physics and has published his findings in various physical journals.

CHARLES MORGAN STUART, Associate Professor of Mathematics, joined the Clemson Mathematics Department in 1946, after having taught at The Citadel and The Porter Military Academy. A native of Coronaca, South Carolina, Mr. Stuart received his A.B. degree from Wofford College and his M.A. from Duke University with additional graduate work at The University of South Carolina. He joined the staff of the Clemson Mathematics Department as an assistant professor and was promoted to associate professor in 1957. Mr. Stuart is a member of The Mathematical Association of America and various civic groups.

MILTON DYER FARRAR, Senior Scientist and Professor of Entomology and Zoology, joined the Clemson faculty in 1949 as Head of the Department of Entomology and Zoology. He served as Dean of Agriculture from 1953 through 1961. A native of Lawrence, Kansas, Dr. Farrar earned his B.S. and Ph.D. degrees from Iowa State University and his M.S. degree from South Dakota State University. He is a member of Sigma Xi, Phi Kappa Phi, Gamma Sigma Delta, Alpha Zeta, and a number of professional societies, and a past president of The Association of Southern Agricultural Workers. He is the author of numerous research papers and articles.

## Awards

### **NORRIS MEDAL**

First awarded at Clemson University in 1908, the Norris Medal was established under the terms of the will of the Honorable D. K. Norris, a life trustee of this institution. The Medal is given each year to the graduating student who, on the basis of exceptional scholastic achievement and leadership ability, is judged by the University Committee on Honors and Awards to be the best all-around student.

All winners of the Norris Medal have their names fixed to a bronze plaque hanging in the front entrance of Tillman Hall.

#### **WINNER OF THE NORRIS MEDAL FOR 1967**

James Lawrence Sutherland

Clemson, South Carolina

### **FACULTY SCHOLARSHIP AWARD**

Established at Clemson University in 1959, this award is made annually by the Faculty of Clemson University to the member of the Graduating Class with the highest Scholastic Achievement.

All winners of the Faculty Scholarship Award have their names fixed to a bronze plaque hanging in the front entrance of Tillman Hall.

#### **WINNER OF THE FACULTY SCHOLARSHIP AWARD FOR 1967**

Henry Miles Faris, Jr.

Laurens, South Carolina

### **CLEMSON ALMA MATER**

*Where the Blue Ridge yawns its greatness  
Where the Tigers play;  
Here the sons of dear old Clemson  
Reign supreme always.*

### *Chorus*

*Dear old Clemson, we will triumph  
And with all our might  
That the Tiger's roar may echo  
O'er the mountain height.*

A. C. Corcoran, '19