

5-1-1971

# Clemson Commencement Program, May 1971

Clemson University

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# CLEMSON UNIVERSITY

Seventy-fifth Commencement

May 7, 1971

Clemson, South Carolina

# Graduation

Friday, May 7, 1971

11:15 A.M.

Littlejohn Coliseum

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## Order of Ceremonies

(Audience will please stand as faculty and candidates march in and remain standing for the invocation)

### Invocation

The Reverend W. Eugene Copenhaver  
Pastor, University Lutheran Church  
Clemson, South Carolina

### Conferring of Degrees and Delivery of Diplomas

President Robert C. Edwards

### Benediction

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Music by Clemson University Concert Band

Dr. John H. Butler, Director

## The New University Regalia

With this Commencement, Clemson University initiates the use of new ceremonial regalia. These include the University Mace, the Presidential Chain and Seal, and Batons for each of the College and School Marshals.

The University Mace is the symbolic representation of the whole of Clemson University and must be present at any convocation where the University, through its delegated members, is acting officially. At an official convocation such as Commencement, the University Marshal, carrying the Mace, precedes the President into the assembly. The Mace rests before the President's chair or speaker's stand throughout the ceremony, and its removal from the assembly at the close of a convocation is symbolic of the official withdrawal of the University and, thus, the close of the proceedings.

The decorative design of Clemson's mace is derived from the ceremonial maces carried by heads of state and church in the Middle Ages. Its basic club-like shape, however, is much more ancient, probably going back to man's pre-history. It is made of walnut wood and silver, with the Seal of the University in gold and the University colors represented by insets of cornelian (orange) and amethyst (purple). Amethyst is also the state stone of South Carolina.

The Presidential Chain and Seal is symbolic of the authority vested in the office of president by the governing body of the University. Only the University President may wear it, and while wearing it he speaks for the whole body of the institution. Clemson's Chain and Seal are made of silver and gold, and cornelian and amethyst.

The Batons of the College and School Marshals also descend from mediaeval "staffs of office" which were carried by the senior members of departments of state or church. They display the Seal of the University and the symbolic color of the discipline to which the College or School belongs. Clemson's Batons are made of walnut wood and silver with the various disciplines inset with enamel.

The new University Regalia were designed and executed by Mr. Robert Ebendorf of the Department of Fine Arts of the University of Georgia. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed young goldsmiths of our era. The enamel plaques for the Batons were executed by Professor Marshall C. Bell and the lapidary work was executed by Mr. C. C. Wilson, both of Clemson University.

# CANDIDATES FOR ASSOCIATE AND BACHELORS' DEGREES

## COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

### BACHELOR OF SCIENCE

#### Agricultural Economics

Manuel Padgett Black, Jr. ----- Orangeburg  
George Alfred Butler ----- Aynor  
Marvin Gaddy Carmichael ----- Dillon  
James Kelly Edwards ----- Galivants Ferry  
Benjamin Howard Frye ----- Galivants Ferry  
David Newberry Hall ----- Mt. Ulla, N. C.

William Huff Hammond ----- Greenwood  
\*William Guy Hildebrand ----- Camden  
Curtis Leslie Hobbs, Jr. ----- Lynchburg  
Frankie Rogers Myers ----- Seneca  
Sidney Lawrence Smith ----- Swansea  
Charles Kilmer Snoddy ----- Greenwood

#### Agronomy

William Leslie Abernathy III ----- Chester  
\*Eldon Elbert Allen, Jr. ----- Aynor  
\*\*Stanley Rhett Dobbins ----- Townville  
Larry Earl Elmore ----- Greer  
Roachel Dent King III ----- Society Hill  
William Maksymowicz ----- Johnston, R. I.

Edward Charles Murdock ----- Monroeville, N. J.  
James Wilson Polatty ----- Ninety Six  
Andrew Luther Richardson ----- Johnsonville  
David Burton Sease ----- Newberry  
\*\*John Richard Steer ----- Ninety Six

#### Animal Science

John William Ducworth ----- Summerton  
Daniel Richard Ellison ----- Williamston  
David Byrne Fleming ----- Spartanburg  
\*\*\*Louisa Ready Fleming ----- Johnston  
Anna Ruth Hudgens ----- Mountville

Edward Michaels II ----- Buffalo, N. Y.  
Michael O'Connell ----- Greenville  
\*Mary Jacqueline Price ----- Sharon  
Bernard Joseph Stanek, Jr. ----- Hopkins  
Richard Edward Wooten ----- Pendleton

#### Biology

John Richard Abel ----- Wayne, Pa.  
\*Robert Steven Bisker ----- Salisbury, Md.  
\*Greer Miller Broadwater ----- Ridgeway  
\*William Thomas Broadwater ----- Woodsboro, Md.  
\*Jane Day Chasteen ----- Chappells  
\*\*\*Perry Buckner DeLoach ----- Walterboro  
\*John Patrick Dunbar ----- Rock Hill  
Marc Morris Feinberg ----- Philadelphia, Pa.  
\*William Herbert Fleming ----- Abbeville  
Warren Richard Garrett, Jr. ----- Greenville  
Glen Irwin Garris ----- Sumter  
Robert Mario Giacomo ----- Washingtonville, N. Y.  
Randall Parrish Griffin ----- Six Mile  
Richard Bruce Grosvenor ----- Elnora, N. Y.

\*Joe Selvin Harrell, Jr. ----- Columbia  
Donald Christopher Hicks ----- Charleston Heights  
\*\*Deborah Davenport Hohla ----- Mentor, Ohio  
Walter Monroe Hutchins ----- Spartanburg  
George Tripp Jones ----- Loris  
Thomas William Long ----- Saluda  
Henry Singleton Moore ----- Georgetown  
Robert Andrew Moore ----- Fairhaven, N. J.  
George William Mozingo III ----- Columbia  
Thomas Franklin Scurry II ----- Columbia  
Martha Froemming Sheppard ----- Houston, Tex.  
Jerry Wayne Spradley ----- Aiken  
Robert James Talbert ----- North Augusta  
\*Carl Anthony Zambon ----- Oxon Hill, Md.

#### Dairy Science

Michael Louis Catto ----- Pauline  
Howard Preston Lucas ----- Clemson

Charles Gerald Moore ----- Moore

#### Food Science

\*\*\*Robert Lorne Shewfelt ----- Clemson

#### Horticulture

Henry Curtis Edens III ----- Dalzell  
\*Mary Lucinda Hockenberry ----- Slippery Rock, Pa.

\*Richard Dean Wheeler ----- Clemson

#### Poultry Science

Jerel Dean Harmon ----- Prosperity  
Ira Hubert Kinard, Jr. ----- Prosperity

Benjamin Robert Lybrand ----- Swansea

## COLLEGE OF ARCHITECTURE

### BACHELOR OF ARTS

#### Pre-Architecture

Verne Cassaday \_\_\_\_\_ Greenwood  
\*Ronald William Djuren \_\_\_\_\_ Prospect Park, N. J.  
William Francis Donaldson, Jr. \_\_\_\_\_ Annapolis, Md.  
\*Lewis Mobley Ficken \_\_\_\_\_ North Augusta  
Stanley Dean Gailey \_\_\_\_\_ Iva  
William Henry Hayden III \_\_\_\_\_ Myrtle Beach  
\*Rodger Ferguson Hinton \_\_\_\_\_ Pickens  
Paul Hughes, Jr. \_\_\_\_\_ Cayce  
\*George Booker Jennings III \_\_\_\_\_ Roanoke, Va.

Donald Raymond Lindsey \_\_\_\_\_ Bay Minette, Ala.  
Robert Gene McCleskey \_\_\_\_\_ Greenville  
Donald Masucci \_\_\_\_\_ Neptune, N. J.  
Anthony Glenn Moore \_\_\_\_\_ Moncks Corner  
Brooks Robinson Prince III \_\_\_\_\_ Greenville  
Paul Ervin Reavis, Jr. \_\_\_\_\_ Winston-Salem, N. C.  
Stephen Andrew Russell \_\_\_\_\_ Indianapolis, Ind.  
Steven Allan Sandberg \_\_\_\_\_ Jamestown, N. Y.  
\*Frank Wilson Spencer III \_\_\_\_\_ Savannah, Ga.  
\*\*Tad Allan Stanley \_\_\_\_\_ Montgomery, Ala.  
John Thomas Suber, Jr. \_\_\_\_\_ Columbia

### BACHELOR OF SCIENCE

#### Building Construction

James Patrick Burnette \_\_\_\_\_ Heber Springs, Ark.  
\*Stephen Chando, Jr. \_\_\_\_\_ Bethlehem, Pa.  
Daniel Joseph Cosbey \_\_\_\_\_ Falls Church, Va.  
Charles Hydrick Dewitt \_\_\_\_\_ St. Matthews  
William John Frederick \_\_\_\_\_ St. James, N. Y.

Judson Alan Kraft \_\_\_\_\_ Miami Springs, Fla.  
\*Steven Howard Mull \_\_\_\_\_ Florence  
Larry Don Sherman \_\_\_\_\_ Piedmont  
Stephen Franklin Smoak \_\_\_\_\_ Rock Hill  
Don Vance Whelchel \_\_\_\_\_ Gaffney

### BACHELOR OF ARCHITECTURE

Aubrey Dale Ayers \_\_\_\_\_ Pompano Beach, Fla.  
William Stephen Carson \_\_\_\_\_ Columbia  
Ben Giles Compton \_\_\_\_\_ Lexington  
William Randolph Cunningham \_\_\_\_\_ Waynesville, N. C.  
David Sullivan Glymph \_\_\_\_\_ Silver Spring, Md.  
Robert Hudson Goodson, Jr. \_\_\_\_\_ Hartsville  
Daniel Cassel Herr \_\_\_\_\_ Pittsburgh, Pa.  
Raymond Thaddeus Huff \_\_\_\_\_ Charleston  
\*Richard Henry Francis Kapp \_\_\_\_\_ Greenville  
Edward Thomas Kinghorn \_\_\_\_\_ Greenville  
Barry Robert Koretz \_\_\_\_\_ Brockton, Mass.  
\*Ralph Dixon Lamar, Jr. \_\_\_\_\_ Easley  
Leslie Michael Lawlor \_\_\_\_\_ Newburgh, N. Y.  
Michael Theodore McCoy \_\_\_\_\_ Myrtle Beach

Gary Vaughn Magarian \_\_\_\_\_ Orlando, Fla.  
\*John Milton Miller \_\_\_\_\_ Greenville  
\*John William Morgan III \_\_\_\_\_ Columbia  
Anne Caroline Morris \_\_\_\_\_ Columbia  
Matthew Michael Mossman \_\_\_\_\_ Cincinnati, Ohio  
Richard Herman Schroeder \_\_\_\_\_ Hightstown, N. J.  
\*William Daniel Shelley \_\_\_\_\_ Latta  
\*Ronald Stephen Tillotson \_\_\_\_\_ Colorado Springs, Colo.  
Lonnie Durell Watt, Jr. \_\_\_\_\_ Anderson  
Killough Henry White III \_\_\_\_\_ Chester  
\*\*Craig Caldwell Wrigley \_\_\_\_\_ Columbia

## COLLEGE OF EDUCATION

### BACHELOR OF ARTS

#### Elementary Education

Keri Ann Bolding \_\_\_\_\_ Lyman  
Donna Marie Brooks \_\_\_\_\_ Loris  
Rebecca Audrey Davis \_\_\_\_\_ Sumter  
\*\*Patricia Shea Day \_\_\_\_\_ Greenville  
\*\*\*Mary Morgan Greene \_\_\_\_\_ Anderson  
\*\*Ruth Jane Greer \_\_\_\_\_ Westminster  
Alecia Ann Haddon \_\_\_\_\_ Donalds  
Alice Marie Haddon \_\_\_\_\_ Donalds  
Pamela Jill Hyatt \_\_\_\_\_ Wayne, Pa.

Peggy Elaine Lee \_\_\_\_\_ Westminster  
Kathryn Anne McCormick \_\_\_\_\_ Columbia  
Nancy Jo Mobley \_\_\_\_\_ Orangeburg  
\*Georgia Ann Pender \_\_\_\_\_ Arlington, Va.  
Susan Callison Pinckney \_\_\_\_\_ Greenwood  
Ernest Gary Rice \_\_\_\_\_ Ware Shoals  
Nancy Jean Sliker \_\_\_\_\_ Wayne, N. J.  
Mary Susan Stein \_\_\_\_\_ Anderson  
Sherrill Louise Watson \_\_\_\_\_ Edgefield

### **Secondary Education**

Harley Gervis Babb III	Moore	Mary Van Blaricom Means	Clemson
Beverly Frances Baker	Summerville	David Hood Mitchell, Jr.	Hickory Grove
**Brenda Kaye Cash	Pickens	Barbara Ann Mostertz	Greenville
***Daniel Earl Cobb	Easley	Robert Matthew Parker, Jr.	
David Luther Coleman	Summerton		South Belmar, N. J.
*Sharon Proctor Crout	Forest City, N. C.	Deborah Jo Patton	Charleston
James Elliott DeLoache	Easley	**David Leslie Pearce	Anderson
George Marion Ducworth	Anderson	*Mary Hill Peddicord	Williamston
Gwin Hunter Forrester	Clemson	Raymond Shaffer Pilgrim, Jr.	Marietta, Ga.
*Sandra Anne Gentry	Anderson	***Nancy Rebecca Singleton	Rochester
Alexandra Georgeo	Mt. Pleasant		Seneca
David Fogg Hall, Jr.	Pennsville, N. J.	*Elizabeth Roper	Laurens
**Martha Frances Hall	Fulton, Miss.	Frederick Joseph Schilling III	
Ethel Joanne Hawkins	Central		Old Westbury, N. Y.
Gerald Edward Hiles	Easley	*Nancy Faye Simmons	Pickens
*Sandra Alicia Holden	Clemson	Paul Terry Stone	Manning
*Robert McCollum Johnson	York	**Cynthia Diane Strickland	Anderson
Martha Lillian Kehler	Kershaw	Kenneth Elizabeth Simmons Thompson	
Ian Bradley Kamen	Baldwin, N. Y.		Greenwood
*Lynn Rogers King	Piedmont	Teresa Carlene Thompson	Greenville
Margaret Norma Kirkland	Bamberg	Mary Jane Trotter	Columbia
**Linda Ann Koczan	Edison, N. J.	Ronald Alan Walfield	Walterboro
Michael Edward McNeill	Ware Shoals	William Guyton Wardlaw, Jr.	Anderson
*Elaine Owens Martin	Easley	James Emmett Whitson	Greenville

### **BACHELOR OF SCIENCE**

#### **Agricultural Education**

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

**William Royce Caines	Loris
Tony Ray Dempsey	Varnville
Eben Dudley Godbold	Florence
*Gene Eldred Hardee	Loris
Phillip Wayne Malphrus	Ridgeland
Carlton Levon Martin	Aynor
Ronald Irby Ouzts	Callison
Joseph Howard Porter	Loris

#### **Industrial Education**

Norman McSwain Cason	Abbeville
Jerry Bernard Green	Graniteville
Dexter Groves Jeter II	Ware Shoals
Lewis Albert Jordan	Myrtle Beach
James Patrick Kelsey	Pickens
Anthony Edwin McClure	
	Johnson City, Tenn.
James Allen McCullough	Anderson
Benjamin Robert Meggs, Jr.	Florence

*James Washington Preacher	Ruffin
Jack Boling Reynolds, Jr.	Columbia
Francis Marion Smith	Estill
Roger Dennis Smith	Jefferson
*Kenneth Gowan Southerlin	Travelers Rest
*William Timmerman Wall	Edgefield
John Fred Williams	Cleveland, N. C.

Ronald Wayne Newton	Clemson
William Schlupp, Jr.	Cinnaminson, N. J.
*James Broadus Taylor, Jr.	Greenville
Louis Ervin Taylor	Great Falls
Peter Frederick Weddell	Goshen, Ind.
Lynn Charles Welborn	Pickens
John Henry Wessinger	Columbia
Raymond Andrew Yauger	Uniontown, Pa.

#### **Science Teaching**

*Eloise Joyce Albrecht	Isle of Palms
Ronnie Wayne Fowler	Williamston
John Neely Ross	Washington, D. C.

Charles Dukes Scott	Orangeburg
Martha Ann Seay	Spartanburg

### **COLLEGE OF ENGINEERING**

#### **BACHELOR OF SCIENCE**

#### **Agricultural Engineering**

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

James Warren Garthe	Dover, N. J.
Joseph Alton Rinehart	Batesburg

Lee Arlington Warner	Pickens
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### Ceramic Engineering

*Walter Peter Belouin, Jr.	Union	John Charles Lindsay, Jr.	Bennettsville
Collins Arthur Burbage	Summerville	William Weaver Presson, Jr.	Monroe, N. C.
William Carlos Gruber	Goose Creek	*Lynn Brian Starling	Lakeland, Fla.
Donald Ray Handy	Aiken	*Davis Camp Walker	Decatur, Ga.

### Chemical Engineering

Charles David Allen	Bennettsville
Leslie Reade Baxley	Columbia
David Eugene Bowen	Iva
**Robert Leslie Bracey	Darlington
Alan McKenzie Campbell	Washington, D. C.
William Malcolm Carsten	Jacksonville, Fla.
Francis Siu Hung Chan	Kowloon, Hong Kong
*Douglas Farrell Clements	Lamar
*Thomas Glenn Doss	Wapakoneta, Ohio
*Charles Henry DuPre, Jr.	Spartanburg
John Michael Haas	Charleston
*Leon Carroll Harmon	Lexington

Michael Lee Horton	Kingstree
John Wilson Laney III	Bennettsville
*James David Liske	Harrisonburg, Va.
Jerry Lee Lollis	Ware Shoals
***Paul Wilson Mims, Jr.	Columbia
*Joseph Daniel Pool	Easley
*Bruce David Roberts	Taylors
*William Michael Shirley	Honea Path
James Wenford Taylor, Jr.	Greenville
*Robert Lester Thomas	St. George
***Douglas Waters VanOsdell	Summerton
Andreas Westergaard III	Charleston

### Civil Engineering

Timothy James Amick	Columbia
Dennis Edward Arrington	Charleston
Frank Stanford Bland, Jr.	Edgefield
*Charles Leslie Bopp, Jr.	Roxboro, N. C.
Arnold Alvin Brannen	Great Falls
*Ronald Lee Bridwell	Greenville
John Leslie Chambers	Fort Mill
Don Michael Cribb	Walterboro
Joseph Edward Crook	Charleston Heights
Jerry Glenn DeLaughter	Edgefield
John Porteous DeVeaux	Sullivans Island
William Acker Dunn, Jr.	Doncids
**Ronald Warren Eck	Kenilworth, N. J.
Don Lee Freeman	Anderson
John David Griffith	Barnwell
Alton Lester Harvey	Deerfield Beach, Fla.
William Ronald Irick	Orangeburg
Joe Kenneth Jones, Jr.	Greenville
*Nicholas Kelaidis	Athens, Greece

*David Michael Koss	Amawalk, N. Y.
*James Austin Lee	Pendleton
*Thomas Joseph McArdle, Jr.	Greenville
*James Earle McCoy	Greenville
Howard Lee McCullough	Clemson
*John Michael McTamney III	Trenton, N. J.
*Marvin Eugene Nettles	Ridgeland
Robert Edgar Perry III	Brunswick, Ga.
Charles Edwin Rivers	Thomson, Ga.
John Daingerfield Roeser	Wallingford, Pa.
Phillip James Rowell	Columbia
**Wayne Bryan Smith	Greenwood
Henry Floyd Weathers, Jr.	Fountain Inn
Richard Brantley Werts	Ninety Six
*Forrest Monroe Whittington	Loris
Grady Daniel Wicker	Newberry
Terry Eugene Williams	Greenville
**Janice Elizabeth Wilson	Four Oaks, N. C.

### Electrical and Computer Engineering

*John Rodgers Allen	Kingstree
**Thomas Marvin Bell	Lodge
Lowell Everette Belue	Union
Ronald Patrick Berry	Belvedere
*William Norris Breedlove, Jr.	Mt. Pleasant
Rodger Eugene Brown	Jamaica, N. Y.
Duncan Kenyon Burns	Charleston
*Walter Timmons Cardwell, Jr.	Anderson
*James Wayne Cox	Abbeville
*David Lee Garrison	Rock Hill
Gary James Greer	Taylors
August Erwin Heins, Jr.	Charleston
John Wesley Hollister III	Jacksonville, Fla.
*Lonnie Richard Hyatt	Pauline
Melvin Curtis Johnston	Denmark

***John Boyce Jones	Charleston
David James Lank	Salisbury, Md.
**Barry Gray Mattox	Columbia
Robert Thurlow Morris II	Baltimore, Md.
*Teddy Morris, Jr.	Greenwood
Randolph Morgan Moyer	Sumter
Larry Vincent Parker	Wellford
William Sanders Parnell	Calhoun Falls
Wendel Paul Potts	Aynor
**Mark Allen Reynolds	Asheville, N. C.
*James Lafayette Rimer III	Spartanburg
John Drummond Snoddy, Jr.	Greenville
**Michael Knudson Stenstrom	Hendersonville, N. C.

### **Engineering Analysis**

Richard Vance Landrum \_\_\_ North Charleston      Larry Vernon Wise \_\_\_ Columbia

### **Mechanical Engineering**

Jeffrey Edward Brooks	Wilmington, Del.	**Harold Senn James	Union
Herbert Warren Brown, Jr.	Easley	Dodge Putman Lewis	Clemson
William Howard Coleman	Townville	**William Robinson McCleave, Jr.	Rock Hill
Jerry Lynn Cooper	Rock Hill	George Kennedy Milam	Sandy Springs
Benjamin Lamont Dawkins	Greenville	Dennis Paul Patrick	Pacolet Mills
Kenneth Walter Detwiler	Columbia	Thomas Bryant Pettit III	Seneca
*Lawrence William Dickenson	Belvedere	Marion Francis Sadler, Jr.	Leesville
John Reuben Floyd, Jr.	Newberry	*Roger Bernard Smith	Mandeville, La.
Steven James Harrower	Asheville, N. C.	Michael William Taylor	Aiken
*Christopher Charles Hill	Roebuck	Lawrence Edwin Weaver	Shelby, N. C.
Hollen Lewis Hoffman	Greenville	Richard David Youtz, Jr.	Lebanon, Pa.
Frank Darrell Howell	Greer		

### **Metallurgical Engineering**

John Michael Grochowski \_\_\_ Philadelphia, Pa.

## **COLLEGE OF FOREST AND RECREATION RESOURCES**

### **BACHELOR OF SCIENCE**

#### **Forestry**

James Henry Bass, Jr.	Camden	*Bernard Robert Ozbolt	Walterboro
Edward Michael Belken	Fort Walton Beach, Fla.	John Dennis Page III	Hampton
Charles Roger Birch	Spartanburg	Harry Stanton Schulze, Jr.	
*Richard Edward Bullock	Cream Ridge, N. J.		Mechanicsburg, Pa.
Robert Andrew Cloninger	Gastonia, N. C.	Charles Acker Sibley	Rock Hill
Thomas William Davis, Jr.	Columbia	John Jay Stankiewicz	Freehold, N. J.
Thomas Walter Haene	Charlotte, N. C.	Richard Henry Sutherland	Abbeville
Robert Arthur Harris	Fort Mill	James David Walters, Jr.	Greenville
Charles Blackwell McElveen	Florence	David Mark Whittaker	Rhinebeck, N. Y.

### **Recreation and Park Administration**

Richard Ashley Black	Chester	Harold Mack Kennedy, Jr.	Columbia
Randy Lee Bray	Clemson	Ann Elliott Kester	Columbia
Daniel Franklin Card	Seneca	Ronald Decker Kitchens	Chamblee, Ga.
*Bradley Dean Cary	Leesville	Robert Philip Lawton	York
*Mary Lil Coggins	Charleston	Charles Homer Ledford	Townville
*Linda Lee Dasher	Greenwood	Patricia Anne McCuen	Taylors
Ned Mabry Eddy	Lake City	John Patrick Micknis	Hanover, Md.
*Donnie James Edgar	Seneca	Albert Carlisle Peden, Jr.	Simpsonville
*Nancy Kenyon Fairey	Latta	Thomas Lee Pence	Salisbury, N. C.
Charles Wilson Harrison	Roebuck	*Joseph Edgar Swofford	Laurens
Richard McDuffie Hart, Jr.	Mauldin	Diane Elizabeth Tuttle	Clemson
John Lewis Irvin, Jr.	Fort Mill	Charles Tatum Waters	North Augusta
Philip Wesley Jackson	Pendleton		

## COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### BACHELOR OF ARTS

#### Arts and Sciences

William Gibson Agnew, Jr.		
	Lookout Mountain, Tenn.	
*George Edward Biediger	Greenville	
Joseph Bailey Bright	Asheville, N. C.	
Michael Edmund Butler	Fairfax, Va.	
**Lanny Adolph Byrd	Branchville	
Glenn Scott Cannon	Rock Hill	
Robert Clement Carlton, Jr.	Spartanburg	
Christopher Cameron Cipperly		
	Washington, D. C.	
James Elliott Evans, Jr.	Newberry	
Johnny Sherwood Everett	Piedmont	
Bruce Hunter Gilbertson	Plainfield, N. J.	
***Michael Joseph Gombola	Greenville	
David LeRoy Green	Lynchburg	
Milton Steven Hester	Greenville	
Jerry Whitworth Hodge	Greenville	
Georgia Ellis Hunter	Columbia	

### BACHELOR OF SCIENCE

#### Accounting

\*\*Douglas William Braun --- Leesburg, Fla.

#### Industrial Management

Barnett Alexander Allgood III	Toccoa, Ga.	
Samuel Walter Austin	Greenville	
Richard Clifton Ballenger	Anderson	
*Edgar Lee Benjamin, Jr.	Mountaine	
Christopher Deryl Binnicker	Orangeburg	
*Frank Martin Boggs	Charleston Heights	
Robert Allen Bowers, Jr.	Greenville	
Henry Clay Brooks	College Park, Ga.	
Lewis Carroll Cameron	Ninety Six	
Durward Cave Cromer, Jr.	Blackville	
Hubert Judson Dandridge III	Cottageville	
Mario Richard Danieli	Lyndhurst, N. J.	
Philip Gregory Degen	Sumter	
John Michael Demosthenes	Sumter	
Daniel Harris Dye	Anderson	
Sam Jule Enis, Jr.	Charleston	
Michael Eugene Evans	Timmonsville	
Tommy Joe Fleming	Greenville	
Lee Matthew Flowers, Jr.	Hartsville	
Marion Ralph Floyd	Conway	
*Patterson Wardlaw Foy, Jr.	Springfield	
Jesse Henry Gaskins	Chesterfield	
James Rembert Greer	Spartanburg	
William Preston Hall	Shaw AFB	
John Gaines Hammond, Jr.	Greenwood	
Richard Ellis Henkel	Waynesboro, Va.	
Carl Edwin Henson	Seneca	
Joel Marshall Hoefer	Columbia	
David Michael Holmes	Gaffney	
Charles Ray Jackson	Aiken	

#### Textile Chemistry

Thomas David Taylor --- Honea Path      Nelson Taylor Weaver --- Greenville

#### Textiles

Robert Alan Austin --- Fairfax, Va.      Samuel DeRonda Love, Jr. --- Gastonia, N. C.  
\*\*William Gaines Wilson --- Abbeville

## **COLLEGE OF LIBERAL ARTS**

## **BACHELOR OF ARTS**

Robert William Aines	Springfield, Va.
*Patricia Robertson Anderson	Statham, Ga.
***Joanne Smith Azelkas	Anderson
**Julia Marguerite Bailes	Greenwood
*Lyla Boyd Baumann	Pendleton
Robert Mark Behling	Mt. Joy, Pa.
Joseph James Belknap	Lynbrook, N. Y.
Harold Wayne Bishop	Greenville
John McClellan Bond	Clemson
Robert Walton Broome	Charleston
Gregory Robert Brown	Gasport, N. Y.
Harold Chandler III	Sumter
*Susan Bailey Chandler	Clemson
Rufus Bernard Chapman, Jr.	Charleston
Ronald Edmond Cooper	Columbia
*Robert Allen Cox	Pamplico
Roger Dell Crawford	Chester
Barbara Lynn Cromer	Columbia
John Duffield Curtis II	Smithtown, N. Y.
Thomas John Cusumano	Sumter
David Franklin Dansby	Ware Shoals
Sydney Ruth Doak	Walterboro
Douglas Bruce Eason	New Canaan, Conn.
Howard Brian Edgar	Plainview, N. Y.
Allen Gibson Edwards	Cheraw
Wilma Jean Edwards	Wellford
Dale Francis Ellenburg	Anderson
Elliott Benton Eskew	Clemson
Richard Hugh Foster	Fredericksburg, Va.
William Twyman Garrett, Jr.	Pelzer
Warren Thomas Givens, Jr.	Sumter
David Herbert Golly	Jacksonville, Fla.
Donald McCrae Gore	Hartsville
Michael Ransom Gough	West Winfield, N. Y.
George Allen Graab, Jr.	Columbia
Kenneth Dalton Grant	Pickens
James Michael Griggs	Hartsville
*John Francis Hanzel	Greensboro, N. C.
Daniel Francis Harkins	Claymont, Del.
Richard Ara Harpoolian	Charlotte, N. C.
Mary Lenoir Hartzler	Camden
**Linda Elaine Hayes	Taylors
Landrum Hazel Henderson, Jr.	Chester
*Susan Boulware Henderson	Washington, D. C.
Edward Moreton Hughes	Greenville

Morgan Randall Humphreys, Jr.	Cheraw
Amos Hykes	Greencastle, Pa.
**Carolyn Elaine Jarrell	
	Altamonte Springs, Fla.
*Linda Elkin Jennings	Greenville
*Michael Lynn Johnson	Aiken
Walter Jennings Johnson, Jr.	Columbia
Janie Pearl Jones	Columbia
Billie Ann Kelly	Atlanta, Ga.
Thomas Larry Kemmerlin	Columbia
Robert Patrick Lusk	Pendleton
Virginia Rogers McMurray	Clinton
Georgann Maertens	Seneca
Nancy Ann Marcengill	Willicmston
**Guy Harold Marinello	Jewett City, Conn.
Douglas Christopher Martin	Marietta, Ga.
Frank Lemar Matthews	Sumter
*Errol Glenn Mercer	Georgetown
Robert William Michie	Kensington, Md.
Robert Homer Mitchell	Greenville
Charles Donald O'Briant	McCormick
Robert Mark Ohanesian	Huntington, N. Y.
**Guy Laurence Osborne	Union
Claude Aubrey Parks III	Charlotte, N. C.
Joel Dennis Parnell	Anderson
LaBonney Louise Parnell	Charleston
George Davis Philips	Sumter
James Everett Pittman, Jr.	Greenville
Carl Frank Pospisil	Union, N. J.
James Randel Putnam	Easley
Angela Witt Rainey	Starr
*Rita Jo Rampey	Greenville
Mary Virginia Ridgill	Sumter
Earl Kenneth Rigler, Jr.	Landenberg, Pa.
William Bruce Russell	Bethesda, Md.
Patricia Ann Saggus	Edgefield
***Ludmila Alexander Savitsky	Clemson
*John Michael Sears	Anderson
John Marshall Stith	Sullivans Island
*Eugene Glenn Stribling	Lyman
Watson Smith Strickland, Jr.	Georgetown
Stephen Edward Taylor	Greenwood
Alexander Ur III	Greenville
Thomas Charles Valesky	Penns Grove, N. J.
Robert Lee Wiggins	Easley
***Georgia Angela Williams	Clemson
Marina Elisabeth Winquist	Dedham, Mass.

## SCHOOL OF NURSING

**ASSOCIATE IN ARTS**

## Nursing

Rebecca Elizabeth Atkinson ----- Clemson  
Teresa Anne Degen ----- Sumter  
\*Shirley Churney Fortson ----- Anderson  
Marguerita McLaughlin Gillespie ----- Greenville  
Lynda Ann Kay ----- Pendleton

\*Vivien EsDorn Keeter ----- Aiken  
 Marsha Jane Knight ----- Anderson  
 Corinne Lafaye Morgan ----- Columbia  
 \*Karen Smith Morgan ----- Clemson  
 Carol Lee Sanborn ----- Spartanburg

## COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

### BACHELOR OF ARTS

#### Arts and Sciences

George Williams Gage III	Fort Mill	*Donald Craig MacVittie	Buffalo, N. Y.
Laurie Anne Holleman	Summerville	*Margaret Anne Fay Schmidt	
Michael Henry McClure	Sumter		Baltimore, Md.

### BACHELOR OF SCIENCE

#### Chemistry

Herbert Branham, Jr.	Charleston	*James William Kronberg	Wedgefield
Stanley Parks Cole, Jr.	Langley	Robert Charles Schmidt, Jr.	
*Joseph Edward Davis, Jr.	Sumter		Old Tappan, N. J.
Claudene Diane Elrod	Anderson	James Eric Whisenhunt III	Hartsville
Phillip Ryan Hayes	Mayo	Larry James White	Starr
Larry Mortimer Jackson	Sumter		

#### Geology

J. Patrick Bruening	Charleston	Keith Ian McConnell	Ephrata, Pa.
Richard Carson Cunningham, Jr.		James Earl Wright, Jr.	Anderson
	Melbourne Beach, Fla.		

#### Mathematics

Douglas Pounds Armistead	Decatur, Ga.	*Thomas Barry Edwards	Ninety Six
Gregory Scott Baker	Sumter	Richard Winston Gooding	Ridgewood, N. J.
*Michael Feodor Carpenter	North Charleston	**Raija Toolikki Griffin	Tampere, Finland
**Mary Elizabeth Craig	Camden	Charles J. McKenzie III	Greenwood
Steven Emerson Davis	Charlotte, N. C.	*Leslie Edwin McKenzie, Jr.	Dillon
David Kendrick Duncan	Sharon	Kenneth Allan Means	Clemson
		*Richard Carl Vaughan	Greenville

#### Medical Technology

Nancy Lord Lowdermilk	Greenville
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#### Physics

James Shober Brawley, Jr.	Salisbury, N. C.	Joseph Douglas James	Aiken
†Michael Eric Buchanan	Charleston	William Dunlop Raffield II	Newberry
*Billy Bert Homan	Jacksonville, Fla.	†***Mark George Savitsky	Clemson
*Calvin Tycho Howle	Lancaster		

#### Pre-Medicine

Arthur McFaddin Abbott	Sumter	*Marshall Augustus Leaman, Jr.	Greenwood
**Calvert Clay Alpert	Sumter	Franklin Carver Lee	Troy
Kenneth Kay Ashley, Jr.	Williamston	Frederick Frank Marshall	Trumbull, Conn.
Durwood Earl Bach	Bel Air, Md.	**Theodore Mark Meyer	Greenwood
James Louis Bishop	Taylors	Richard Neal Moss	Charleston
*Wade Brantley Blount	Belvedere	Samuel Darby Pendergrass III	Greenwood
Garden Stuart Clarkson, Jr.	Columbia	**Wesley McArthur Pitts, Jr.	Columbia
John David Cox	Belton	Michael Edward Platt	Rock Hill
Glenn Fletcher Cueman	Homed Path	William Curtis Richardson, Jr.	Spartanburg
*Joseph Euranus Fewell, Jr.	York	*Henry Leroy Richbourg, Jr.	Dillon
James Cary Freeman	Piedmont	Harold Grange Rish, Jr.	Greenville
*Dan Henry Gambrell, Jr.	Greenwood	Jeffrey Carter Rockwell	Orangeburg
David Gaines Gilstrap	Brevard, N. C.	***Kenneth Lamont Smith	Chesterfield
*James Ross Hanahan, Jr.	Atlanta, Ga.	*Sidney Terrell Smith	Bowman
William Michael Heath	Lancaster	Robert Cooper Terry	Martin
James Andrew Henderson	Greenville	David Allen Wardlaw	Whitmire
*Jeanne Rebecca Jenkins	Columbia	James Ralph Williams	Newberry
*William Richard Karpik	Anderson	*James David Woodson	Easley
**Bradford Lewis Keeney	Anderson	*John Wesley Worsham	Bamberg
Francis Asbury Lawton III	Gastonia, N. C.	*William Goley Wright	Rock Hill

\*With honor

\*\*With high honor

\*\*\*With highest honor

†With departmental honors

## CANDIDATES FOR MASTERS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### MASTER OF SCIENCE

##### Agricultural Economics

William Anderson Thomas ----- Elberton, Ga.

##### Animal Science

Thomas Elliott Bonnette, Jr. ----- Orangeburg      Russell Gene Gaddy ----- Atlanta, Ga.

##### Botany

William Barnes Pamplin ----- Columbia

##### Dairy Science

Allan Pond Curtiss, Jr. ----- Demarest, N. J.

##### Entomology

Paul Henry Carlson ----- Chicago, Ill.      Thomas Marion Hill ----- Union

##### Nutrition

Larry James Bearden ----- Cartersville, Ga.

##### Zoology

Stephen Howard Best ----- Fayetteville, N. C.      Ronnie Russell Howard ... Mountain City, Tenn.

### COLLEGE OF EDUCATION

#### MASTER OF AGRICULTURAL EDUCATION

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

Joseph Craven Jones ----- Florence      George Milton Reed, Jr. ----- Anderson

#### MASTER OF EDUCATION

Carol Ann Childress Anderson --- Greenville	Eileen Adams Futral ----- Alamo, Ga.
Charles Julian Bethea, Jr. ----- McColl	Cynthia Abernethy Holt ----- Orlando, Fla.
Selma Smith Bettis ----- Saluda	Marjorie Littlejohn Knuckles ----- Anderson
Grady Spence Burgner .. Chattanooga, Tenn.	George Hervy O'Neal III ----- Chattanooga, Tenn.
David Arthur Clyburn, Jr. ----- Spartanburg	Julia Claudette Osborne ----- Hartwell, Ga.
Sarah Jean Smith Cross ----- Seneca	Joan Mineo Protomastro ----- Sunter
Al Lee Curtis ----- Gaffney	Michael Thomas Voiselle ----- Ninety Six
Judy Meredith Faulkenberry ----- Townville	

#### MASTER OF INDUSTRIAL EDUCATION

Robert Jeffrey Lake ----- Hicksville, N. Y.      Walter Price Spires ----- Anderson

### COLLEGE OF ENGINEERING

#### MASTER OF SCIENCE

##### Agricultural Engineering

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

John Frederick Long ----- Newberry

##### Bioengineering

Stephen Joseph Morrison .. Thunderbolt, Ga.

##### Ceramic Engineering

Dennis Arthur Carlson ----- Marietta, Ga.

**Chemical Engineering**

James Edward Davis, Jr. ----- Chester Michael Alan Lake ----- Jamestown

**Electrical and Computer Engineering**

James McCardell Davis, Jr. ----- Lancaster Anil Gupta ----- Calcutta, India

**Environmental Systems Engineering**

Louis DesChamps Eckley ----- Bishopsville Don Richard McCombs ----- Greenville

**Materials Engineering**

Donald Alan Kay ----- Fair Lawn, N. J.

**Mechanical Engineering**

Sy-Li Victor Hsiang ----- Taipei, Taiwan Charles Theodore Vollers III ----- Jacksonville, Fla.

**Water Resources Engineering**

James Walker Gilreath ----- Decatur, Ga. Floyd Edward Kimball, Jr. --- Strawplains, Tenn.

**COLLEGE OF FOREST AND RECREATION RESOURCES**

**MASTER OF SCIENCE**

**Forestry**

Robert Lewis Little ----- Naples, Fla.

**COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE**

**MASTER OF SCIENCE**

**Management**

James Plummer Chick, Jr. ----- Rock Hill Pradeep Kumar Goorha ----- Kanpur, India  
Timothy Powell Finn ----- Greenville Walter Eugene Riggs ----- Madison, Ohio  
Charles Donald Godsey ----- Greenwood Charles Wallace Seigler ----- Rock Hill

**Textile Chemistry**

Edward Aloysius Duffy ---- Philadelphia, Pa. Masahiro Kanai Tomioka -- Okayama, Japan

**Textile Science**

Clyde Sidney Cates, Jr. ---- Charlotte, N. C. Vernon Alton Robbins, Jr. ----- Rock Hill  
Lawrence Oliver Goldstein ---- Spartanburg Harry Small ----- Philadelphia, Pa.

**COLLEGE OF LIBERAL ARTS**

**MASTER OF ARTS**

**English**

Dennis Warren James ----- Seneca Ralph Kenneth Ostrom, Jr. ---- Marion, N. C.

**History**

Peggy Diane Neal ----- Kershaw

**COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES**

**MASTER OF SCIENCE**

**Chemistry**

Aiko Seo ----- Hiroshima-Shi, Japan Josh Jeter Starnes ----- Greenwood

**Mathematics**

Julia Jackson Davis ----- Orangeburg Marvin Kenneth Reed ---- Zephyrhills, Fla.  
Sharon Elizabeth Davis ---- Forest City, N. C. William Arthur Strack ---- Arkadelphia, Ark.  
William Warren Niemi ----- Quincy, Mass

**Physics**

Shih-Lin Chang ----- Taichung, Taiwan

## CANDIDATES FOR DOCTORS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### DOCTOR OF PHILOSOPHY

##### Agricultural Economics

Gaines Howard Liner ----- Efland, N. C.  
B.S., N. C. State University; M.S., Clemson University  
Dissertation: Economic Analysis of Water Supply Alternatives in a Multi-County Industrialized Area

##### Entomology

Frederick Lance Wallace ----- Columbus Junction, Iowa  
B.S., Iowa Wesleyan College; M.S., Oklahoma State University  
Dissertation: A Comparative Morphological Study of the Wing Venation of the Order Coleoptera

### COLLEGE OF ENGINEERING

#### DOCTOR OF PHILOSOPHY

##### Engineering

Jeffrey Scott Tennant ----- North Augusta  
B.S., M.S., Clemson University  
Dissertation: The Theory of Moving Wall Boundary Layer Control and Experimental Application in Subsonic Diffusers (Field of Specialization: Mechanical Engineering)

William Kenneth Whitehead ----- Comer, Ga.  
B.S., University of Georgia; M.S., Clemson University  
Dissertation: A Potential Theory Model for the Phytotoxicity of a Soil-Applied Herbicide (Field of Specialization: Agricultural Engineering)

John David Wrenn ----- Greenwood  
B.S., M.S., Clemson University  
Dissertation: The Effect of Radiant Energy Transfer and Chlorophyll Concentration on the Growth Kinetics of Chlorella Pyrenoidosa TX 71105 in a Laminar Flow Photosynthetic Gas Exchange during Low Intensity Illumination (Field of Specialization: Chemical Engineering)

### COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

#### DOCTOR OF PHILOSOPHY

##### Chemistry

Augustus Kennerley Bonnette, Jr. ----- North Charleston  
B.S., College of Charleston  
Dissertation: Isotopic Labelling for Mossbauer Studies: An Application to the Iron Cyanides

James Francis Cope ----- Greenville  
B.S., Hampden-Sydney College; M.S., Clemson University  
Dissertation: Methylferrocyne

Ian Russell Hardin ----- Birmingham, Ala.  
B.S., Auburn University; M.S., Institute of Textile Technology  
Dissertation: Light Scattering from Glass Fibers at Normal Incidence

Julian Edward McGill ----- Smyrna  
B.A., Erskine College; M.S., Clemson University  
Dissertation: An Investigation of the Analytical Applications of Aminoiminomethanesulfonic Acid and the Determination of Cadmium

Marvin Leonard Mole, Jr. ----- Warner Robins, Ga.  
B.A., Berry College; M.S., Clemson University  
Dissertation: Synthesis of Beta Eudesmol, A Bicyclic Sesquiterpene

William Alexander Tallon ----- Greenville  
B.S., M.S., Furman University  
Dissertation: Solvent Effects on the NMR Spectra of Some Meta-Disubstituted Benzenes

**Mathematics**

Gerard Philip Protomastro ----- Sumter  
B.A., Montclair State College; M. A., University of Massachusetts  
Dissertation: Separable Projection Property

**Physics**

James Cozby Byrd, Jr. ----- Charleston  
B.S., University of South Carolina; M.A., Emory University  
Dissertation: Kinetics of Reorientation of Optically Oriented V<sub>k</sub> Centers and Thermal Annihilation of NH<sub>2</sub>Cl Centers in Irradiated Ammonium Chloride<sub>3</sub>

William Voss McCanless ----- Winston-Salem, N. C.  
B.S., The Citadel  
Dissertation: The Size and Temperature Dependence of the Electrical Resistivity of Indium and Zinc Whiskers

John Wendell Swardstrom ----- Bridgewater, Mass.  
B.S., Jamestown College; A.M., Temple University  
Dissertation: The Crystal and Molecular Structure of Tris (4,4'-diaminodiphenylmethane) Sodium Chloride

## 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 mounted in the front entrance of Tillman Hall.

### WINNER OF THE NORRIS MEDAL FOR 1971

Paul Wilson Mims, Jr.  
Columbia, 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 who has completed at Clemson at least 75 per cent of the work required for graduation and who has the highest Scholastic Achievement.

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

### WINNER OF THE FACULTY SCHOLARSHIP AWARD FOR 1971

Georgia Angela Williams  
Clemson, South Carolina

## 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 the University has ten major academic units. These are the College of Agriculture and Biological Sciences; the College of Architecture; the College of Education; the College of Engineering; the College of Forest and Recreation Resources; the College of Industrial Management and Textile Science; the College of Liberal Arts; the School of Nursing; the College of Physical and Mathematical Sciences; and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the Engineers' Council for Professional Development, the American Chemical Society, the National Architectural Accrediting Board, and the Society of American Foresters.

Clemson is a Land-Grant Institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five 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.