

8-3-1968

# Clemson Commencement Program, August 1968

Clemson University

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# CLEMSON UNIVERSITY

Graduating Exercises

August 3, 1968

Clemson, South Carolina

# Graduating Exercises

Saturday, August 3, 1968

11:00 a. m. — University Auditorium

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## ORDER OF EXERCISES

### Processional

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

### Invocation

The Reverend Charles E. Raynal  
Fort Hill Presbyterian Church

### Address to Graduating Class

Dr. James N. Thurston  
Alumni Professor of Electrical Engineering

### Conferring of Degrees and Delivery of Diplomas

President Robert C. Edwards

### Benediction

Mrs. Gary Mock, Organist



# CANDIDATES FOR BACHELORS' DEGREES

## COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

### BACHELOR OF SCIENCE DEGREE

#### Agricultural Economics

Jacob Lawson McLeod, Jr. \_\_\_\_\_ Manning      Jose Francisco Serrano \_\_\_\_\_ Quito, Ecuador  
James Calvin Rivers, Jr. \_\_\_\_\_ Chesterfield      Joseph George Sursavage, Jr. \_\_\_\_\_ Andrews, N. C.

#### Agronomy

Robert Patrick Gambrell \_\_\_\_\_ Seneca

#### Animal Science

\* Don Avell Ballington \_\_\_\_\_ Lexington      Patricia Marian Vallentine \_\_\_\_\_ Orangeburg  
James Norman McGill, Jr. \_\_\_\_\_ Anderson

#### Biology

Lawrence Willis Blakely \_\_\_\_\_ Simpsonville      Stanley Marshall Strickland \_\_\_\_\_ Spartanburg  
Carolyn Bannister Colt \_\_\_\_\_ Rock Hill      Michael Daniel Sullivan \_\_\_\_\_ Ardsley, N. Y.  
Charles Willard Mims \_\_\_\_\_ Greenville      Fournoy Colzey Walker III \_\_\_\_\_ North Charleston  
Jesse Eugene Owens \_\_\_\_\_ Clinton      Deryl Don Young \_\_\_\_\_ Hemingway

#### Dairy Science

Edward Wornall Talbot, Jr. \_\_\_\_\_ Salisbury, N. C.

#### Forestry

Johnny William Barfield \_\_\_\_\_ Hartsville      Richard Thomas Pimlott \_\_\_\_\_ Trenton, N. J.  
Van Butler Hoffman \_\_\_\_\_ Cayce

#### Horticulture

Ashley Douglas Clemmons II \_\_\_\_\_ Jacksonville, Fla.

#### Poultry Science

Buddy Lee Hughes \_\_\_\_\_ Dunnellon, Fla.

## SCHOOL OF ARCHITECTURE

### BACHELOR OF SCIENCE DEGREE

#### Building Construction

William Addison Stuckey, Jr. \_\_\_\_\_ Sumter

### BACHELOR OF ARCHITECTURE DEGREE

Joseph Archer Todd, Jr. — Pigeon Forge, Tenn.      William Joseph Waldron \_\_\_\_\_ Valdosta, Ga.

### BACHELOR OF BUILDING CONSTRUCTION

LeRoy Richard Turner \_\_\_\_\_ Greenville

## COLLEGE OF ARTS AND SCIENCES

### BACHELOR OF ARTS DEGREE

Joseph James Beck _____	Johnson City, N. Y.	Stanley Rufus Kellett _____	Enoree
Joel Eddy Bense _____	Barrington, R. I.	Tyre Douglas Lee, Jr. _____	Chester
Wendell Gale Cantrell _____	Easley	Thomas Moultrie McKevlin, Jr. _____	Charleston
Margaret Yvonne Gambrell _____	Anderson	Jerry Alvin Owen _____	Clarkesville, Ga.
Claude Nunnally Garrett _____	Waynesboro, Va.	Benjamin Cicero Pitman, Jr. _____	Spartanburg
Janet Eve Bowman Glenn _____	Iva	Danny Lynn Rhodes _____	Rock Hill
Garland Graham Gooden, Jr. _____	North Augusta	Marvin Richbourg Roberson _____	Belton
Joseph Thomas Hinson, Jr. _____	Jefferson	Robert Douglas Ruffner _____	Latrobe, Pa.
Diane Elizabeth Jacks _____	Simpsonville	Philip Hayne Stanley _____	Hampton
William Gus Johnson _____	Columbia	Christopher George Witaszek _____	
Robert Bain Kaulakis _____	Chatham, N. J.		Charlotte, N. C.



## BACHELOR OF SCIENCE DEGREE

### Geology

John Owen Neighbours III ..... Monkton, Md.      Myron William Payne ..... Aiken

### Mathematics

Anthony Whittfield Aldebol ..... Greenville      John Wesley Thompson, Jr. .... Spartanburg  
Robert Dean Moyer ..... Evans City, Pa.      Julia Wood Tilley ..... Atlanta, Ga.  
William Frederick Smith ..... Chesterfield

### Medical Technology

Georgia Lou Thompson Bannister .. Anderson      Theresa Ann Michael ..... Greenville

### Pre-Medicine

Joan Carol Fewell ..... Beaufort      \*\* William Maynard Simpson, Jr. ... Bethune  
Walter Edward Gott ..... Summerton      Joseph Lockwood Tupper, Jr. .... Summerville  
Jay Randall Luncford ..... Savannah, Ga.      Arthur Jefferies Woody ..... Portsmouth, Va.  
William Kent Rubertus ..... Summerville

## SCHOOL OF EDUCATION

### BACHELOR OF ARTS DEGREE

#### Elementary Education

\* Paula Mills Coleman ..... Mayesville      \* Ann Lindsay Pearce ..... Clemson  
Harriet Adeline Brunson Fripp .. Ridge Spring      Deanna Pennington ..... Starr  
\* Eileen Loretta Gallagher .. New Orleans, La.      Linda Joyce Stevens ..... Clemson  
Carol Lee Klein ..... Hampton, Va.

#### Secondary Education

\* Carolyn Rodgers Anderson ..... Sumter      \* Robert Vernon Perry ..... Pamplico  
Carol Lynn Britton ..... Salters      Nancy Wolfe Strickland .... Jacksonville, Fla.  
Earl Lencie Hyman ..... Pamplico

### BACHELOR OF SCIENCE DEGREE

#### Agricultural Education

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

William Haynsworth Bull ..... Cameron      William Ronald Williamson  
Lewis Winfield Hicks ..... Clover      ..... Tabor City, N. C.  
Norman C. Wise ..... Coward

#### Industrial Education

Donald Thomas Boone ..... Clemson      Paul Henry Sanders ..... Summerville  
David Walter Garrison ..... Aberdeen, N. C.      John Orville Schlei, Jr. .... Long Branch, N. J.  
Richard Harris Hudson ..... Orangeburg

#### Recreation and Park Administration

Joseph Robert Aycoob ..... Pittsburgh, Pa.      Keith Douglas Neely .. New Cumberland, Pa.  
Ronald Michael Davis ..... Columbia      Wayne William Parmer ..... Tenafly, N. J.  
James Paul Drummond ..... Woodruff      David Miller Putnam ..... Greenville  
Charles Henry Ellenburg ..... Knoxville, Tenn.      \* Melton Derrick Shealy ..... Chapin  
Michael Francis Facciolo .. Clifton Heights, Pa.      Ronald Cherry Way ..... Santee

#### Science Teaching

Jack Jeffrey Jackson ..... Edgefield      Theodore Lester Smoak ..... Yonges Island  
Carl Byron Owens ..... Ware Shoals



## COLLEGE OF ENGINEERING

### BACHELOR OF SCIENCE DEGREE

#### Ceramic Engineering

Danny Earl Allen .....	Charleston Heights	* William Darien Faust .....	Greensboro, N. C.
Dennis Arthur Carlson .....	Rock Hill	Robert Norman Watson .....	Greenville
Russell Lee Dixon .....	Lando		

#### Chemical Engineering

James Emmette Chinnors, Jr. ....	Moncks Corner	Noel McHenry Moore .....	North Augusta
Edward Charles Henne, Jr. ....	Arlington, Va.	William Thomas Pool, Jr. ....	Greenville

#### Civil Engineering

Odell Bazel Blume .....	Barnwell	George Purvis Nelson, Jr. ....	Charleston
Harry Charles Coldreck III ....	Livingston, N. J.	Sidney Jackson Shrum .....	Pageland
Roger O'Neil Hall .....	Asheville, N. C.	Ricky Lamar Thomas .....	Seneca
Edgar Cason McGee .....	Orangeburg		

#### Electrical Engineering

Robert Dennis Ervin .....	Greenville	Hugh Thomas Wilson, Jr. ....	Greenville
Robert Douglas Moffat .....	Florence		

#### Industrial Engineering

James Heyward Clarkson .....	Sumter	John David Crenshaw .....	Clemson
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#### Mechanical Engineering

Charles Larry Dalton .....	East Flat Rock, N. C.	Charles Wesley Jennings .....	Spartanburg
Delno Rex Gleason .....	Seneca	James Keith Mayfield .....	Simpsonville
* Thomas Andy Grizzle .....	North Charleston		

#### Metallurgical Engineering

Virgil Clifford Meyers, Jr. ....	Charleston
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## SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### BACHELOR OF ARTS DEGREE

#### Arts and Sciences

* Warren Alexander Burgess .....	Greenville	Francis John Tollon III .....	Boynton Beach, Fla.
David Wayne Burton .....	Corbin, Ky.	James Christopher Allen Tomlin .....	Chevy Chase, Md.
Kenneth Samuel Cline .....	Philadelphia, Pa.	Raymond Lee Weathers, Jr. ....	Anderson
Edwin August Lodgek .....	Collingswood, N. J.	Charles Henry West .....	Charleston
John D. Merrill, Jr. ....	Greenville	George Lucius Williams, Jr. ....	Oglethorpe, Ga.
Eugene Dwight Selter .....	Westfield, N. J.		

### BACHELOR OF SCIENCE DEGREE

#### Industrial Management

Edward Legare Bailey, Jr. ....	Miami, Fla.	William Don Langford .....	Columbia
Joe Tom Brooks, Jr. ....	La Grange, Ga.	Richard Charles Mente .....	Union, N. J.
* James William Butler .....	Greenville	Charles Sachsenmaier III .....	Marmora, N. J.
Sammy Earl Crouch .....	Saluda	William Dee Smith .....	Columbus, N. C.
Joseph Russell Dendy, Jr. ....	Laurens	Charles Joseph Snyder, Jr. ....	Greenwood
Terry Dean Houston .....	Pickens	Malcolm Bennie Ward .....	Darlington
Harold Dwaine Jackson, Jr. ....	Myrtle Beach	Lenaire Francis Wolfe II .....	Orangeburg
John Ronald Jones .....	Rock Hill		

#### Textiles

Harry Phillip Maynard, Jr. ....	Belmont, N. C.	Danny Allen Shive .....	Elberton, Ga.
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\* With honor

\*\* With high honor



## CANDIDATES FOR MASTERS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### MASTER OF SCIENCE DEGREE

##### Agricultural Economics

Gaines Howard Liner ..... Efland, N. C.

##### Agronomy

Ronald Dean Oliphant ..... Kingsville, Texas      Herbert Ernest Raab ..... Edroy, Texas

##### Animal Science

Clifton Oliver Tennant, Jr. .... Hampton

##### Botany

Ellen Payne Hellwig ..... Rome, Ga.

##### Dairy Science

William Capers Cook ..... Clemson      Robert Stanley Thompson ..... Brooklyn, N. Y.  
Leonder Labbe ..... Opelousas, La.

##### Entomology

James Tyrus Darby, Jr. .... Summerton      Julian Eugene Keil ..... Charleston

##### Forestry

Miin Ming Chen ..... Hsinchu, Taiwan

##### Horticulture

Mary Limehouse Altman ..... Charleston      James Thomas Woodham ..... Bishopville  
James Durham Martin, Jr. .... Columbia

##### Zoology

Isabelle Secrest Mims ..... Starr      Robert Mack Shealy ..... Seneca  
Henry Franklin Percival ..... Columbia      Deirdre Jill Spencer ..... Anderson

## SCHOOL OF ARCHITECTURE

#### MASTER OF ARCHITECTURE DEGREE

Jeremy Philip Hungerford Pike .... New South Wales, Australia

## COLLEGE OF ARTS AND SCIENCES

#### MASTER OF ARTS DEGREE

##### English

Michael Addison Douglas ..... Central

##### History

David Henry Villers ..... London, England

#### MASTER OF SCIENCE DEGREE

##### Chemistry

Stephen Maxwell Karesh ..... Charleston      Harry Michael McGuire ..... Hillsborough, N. C.  
Julian Edward McGill ..... Smyrna

##### Mathematics

Miriam Bridges Ausburn ..... Easley      Glenn Keith Jacobs ..... Jackson, Miss.  
Marilyn Janet Breen ..... Anderson      George William Marrah ..... Woonsocket, R. I.  
Alan Reece Grissom ..... Rock Island, Tenn.      Marcus Jerry Thornhill ..... Columbia, La.

##### Physics

Albert Bruce Pruitt ..... Anderson



## SCHOOL OF EDUCATION

### MASTER OF AGRICULTURAL EDUCATION DEGREE

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

Lloyd Houston Blanton ..... Nichols

### MASTER OF EDUCATION DEGREE

Ralph Zeigler Boroughs .....	Pickens	Juby Milford McKinley .....	Anderson
Brenda Lowry Cromer .....	Seneca	Carol Anderson Malcom ..	Social Circle, Ga.
Mary Lou Winant Edens ..	River Edge, N. J.	James Roy Martin III .....	Cheraw
Patricia Gail Scurry Freeman .....	Sumter	Nick Milasnovich .....	Youngstown, Ohio
Ronald Duane Grace .....	McKeesport, Pa.	John Zeph Moseley III .....	Anderson
Helen Carol Guthrie .....	Altavista, Va.	Frances Harley Sandifer .....	Seneca
Lia Kapelis ....	West Beach, South Australia		

### MASTER OF INDUSTRIAL EDUCATION DEGREE

James Malloy Buffkin .....	Heath Springs	James Jerome Rohrbach, Jr. ....	Anderson
Henry Ernest Ramey .....	Walhalla		

## 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.)

Riaz Ahmed .....	Karachi, Pakistan	Charles Victor Privette, Jr. ....	Bishopville
Herman Pinkney Lynn .....	Clemson		

#### Ceramic Engineering

Denis Albert Brosnan .....	Atlanta, Ga.	David Eugene Huff .....	Livonia, N. Y.
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#### Chemical Engineering

Judson Riley Hightower ....	Charlotte, N. C.	Theodore Arden McCracken ....	Branchville
Samuel Joseph Jeffords .....	Orangeburg		

#### Civil Engineering

Nuri Akkas .....	Tavsanli, Turkey	Glenn Wade Phillips .....	Tampa, Fla.
Richard David James .....	Atlanta, Ga.	Harold Joe Willson .....	Sumter
John Jerdone Mikell .....	Charleston		

#### Environmental Systems Engineering

John Carlisle Eilers .....	Lexington, Va.	Mary Trout Haney .....	Coral Gables, Fla.
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#### Mechanical Engineering

Cecil Oates Huey, Jr. .... New Orleans, La.

## SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

### MASTER OF SCIENCE DEGREE

#### Industrial Management

Joseph Rhodes Hodgson, Jr. ....		Thomas Marion Smith .....	Greenwood
.....	Lake Worth, Fla.		
Shelly Bronson Parker, Jr. ....	Cades		

#### Textile Chemistry

Bruce Raymond Edwards ..... Tryon, N. C.



# CANDIDATES FOR DOCTORS' DEGREES

## COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

### DOCTOR OF PHILOSOPHY DEGREE

#### Agricultural Economics

Aaron Andrew Hutcheson ..... Clarksville, Tenn.  
B.A., M.A., University of Florida  
Dissertation: Socio-Economic Characteristics of Consumers and the Demand for Fresh Peaches

#### Animal Physiology

Clyde Lee Lewis ..... Morrison, Tenn.  
B.S., Tennessee Technological University; M.S., Louisiana State University  
Dissertation: An Electron Microscope Study of the Bovine Spermatid at Several Stages of Spermiogenesis

#### Entomology

Grady Malcolm Amerson ..... Gordon, Ga.  
B.S., Berry College; M.S., Clemson University  
Dissertation: The Effects of Four Chemosterilants on Reproduction of the Tobacco Hornworm  
*Manduca sexta* (Johannson)

James Richard Holman ..... Lebanon, Tenn.  
B.S., Tennessee Polytechnic Institute  
Dissertation: The Effect of Weather Upon Activity and Population Size in the Sugarcane Beetle, *Euethola rugiceps* (LeConte)

Richard Fuller Nash, Jr. .... Fairfax, Ala.  
B.S., M.S., Auburn University  
Dissertation: The Nematode DD-136, *Neocaplectana* sp., as a Biological Control Agent of the Nantucket Pine Tip Moth, *Rhyacionia frustrana* (Comstock)

## COLLEGE OF ARTS AND SCIENCES

### DOCTOR OF PHILOSOPHY DEGREE

#### Chemistry

Julie Han ..... Rangoon, Burma  
B.S., Rangoon Institute of Technology, Burma; M.S., Clemson University  
Dissertation: A Thermodynamic Study of the Adsorption of 1-Amino-4-Hydroxyanthraquinone by Polyethelene Terephthalate in a Solvent System

Wallace Edgar McNew, Jr. .... Portsmouth, Va.  
B.S., University of Virginia; M.S., University of Georgia  
Dissertation: A Mechanistic Study of the Pyrolyses of Alkyl N-Substituted Benzimidates and Alkyl N-Phenylbenzamidine



### Mathematics

Patrick Carlton Bowie ----- Liberty  
B.S., Georgia Institute of Technology; M.S., Clemson University  
Dissertation: Uncertainty and Entropy Inequalities for Hankel and Untraspherical Transforms

Robert Silber ----- Huntsville, Ala.  
B.A., Vanderbilt University; M.S., University of Alabama  
Dissertation: Linear Isometries and Normal Forms

### Physics

Gordon Lee Parks ----- Ayer, Mass.  
B.S., North Georgia College; M.S., Clemson University  
Dissertation: The Crystal and Molecular Structure of Telluracyclohexane-3, 5-Dione

## COLLEGE OF ENGINEERING

### DOCTOR OF PHILOSOPHY DEGREE

#### Engineering

John Conrad Muehlbauer ----- Norfolk, Va.  
B.S., M.S., Virginia Polytechnic Institute  
Dissertation: Transient One-dimensional Heat Transfer for Alloys During Solidification (Field of Specialization: Mechanical Engineering)



**CANDIDATES FOR COMMISSIONS AS SECOND LIEUTENANTS  
UNITED STATES AIR FORCE RESERVE**

John David Crenshaw  
Russell Lee Dixon

William Dee Smith  
William Addison Stuckey, Jr.

**CANDIDATES FOR COMMISSIONS AS SECOND LIEUTENANTS  
UNITED STATES ARMY RESERVE**

**Womans Army Corps**  
Patricia Marian Vallentine

**Armor**  
Joseph Russell Dendy  
Tyre Douglas Lee, Jr.  
\*\* Danny Lynn Rhodes  
John Wesley Thompson, Jr.

**Artillery**  
Robert Douglas Moffat  
\* Keith Douglas Neely

**Corps Engineers**  
Odell Bazel Blume  
\* Sammy Earl Crouch  
LeRoy Richard Turner

**Infantry**  
Marvin Richbourg Roberson  
James Christopher Allen Tomlin

**Medical Service**  
Lawrence Willis Blakely  
Jay Randall Lunceford  
\*\* Joseph Lockwood Tupper  
Flourney Colzey Walker, III

**Quartermaster Corps**  
Earl Lencie Hyman  
\* Robert Vernon Perry  
Lenaire Francis Wolfe, II

**Signal**  
William Don Langford  
Danny Allen Shive  
Charles Joseph Snyder, Jr.  
Philip Hayne Stanley

**Transportation Corps**  
David Miller Putnam  
\* John Orville Schleig

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\* Denotes Distinguished Military Graduate

\*\* Denotes Distinguished Military Graduate and Regular Army Selectee