### Clemson University **TigerPrints**

Clemson Commencement Programs

**Academic Affairs** 

12-18-1969

## Clemson Commencement Program, December 1969

Clemson University

Follow this and additional works at: https://tigerprints.clemson.edu/comm programs

Materials in this collection may be protected by copyright law (Title 17, U.S. code). Use of these materials beyond the exceptions provided for in the Fair Use and Educational Use clauses of the U.S. Copyright Law may violate federal law.

For additional rights information, please contact Kirstin O'Keefe (kokeefe [at] clemson [dot] edu)

For additional information about the collections, please contact the Special Collections and Archives by phone at 864.656.3031 or via email at cuscl [at] clemson [dot] edu

#### Recommended Citation

University, Clemson, "Clemson Commencement Program, December 1969" (1969). Clemson Commencement Programs. 104. https://tigerprints.clemson.edu/comm\_programs/104

This Article is brought to you for free and open access by the Academic Affairs at TigerPrints. It has been accepted for inclusion in Clemson Commencement Programs by an authorized administrator of TigerPrints. For more information, please contact kokeefe@clemson.edu.



# CLEMSON UNIVERSITY

Graduating Exercises

December 18, 1969

Clemson, South Carolina

## Graduation

Thursday, December 18, 1969 11:15 a.m. — Littlejohn Coliseum

### ORDER OF EXERCISES

(Audience will please stand as faculty and seniors march in and remain standing for the Invocation)

### Invocation

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

Conferring of Degrees and Delivery of Diplomas

President Robert C. Edwards

Benediction

Mrs. Edith B. Card, Organist

## CANDIDATES FOR ASSOCIATE AND BACHELORS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

	BACHELOR C	OF SCIENCE	
Wi	Agricultural	Economics Clinton	
	Agron	nomy	
Al		Lamar	
	Animal	Celenea	
Lewis Daniel Malphrus, Jr.		Clark Edwin Woods	Fountain Inn
	Biolo		
Franklyn Curtis Allen Paul David Amos Roy Truett Greene Daniel Edward Meyer Lucas Randolph Peele, Jr	North Augusta Easley Ramsey, NJ	**Joseph Eugene Sabaitis, Jr Carlisle, Pa. David Craig Sheppard Winston-Salem, N. C. *Darra Dane Williamson Loris *Judith Carol Wolper Summerville Norman Henry Woods, Jr Dowingtown, Pa.	
	Dairy S	cience	
*Frank Kirby Bridwell Herbert Tarrant Corbett, Jr		Ronald Edward Ducworth	Anderson
	Fore	stry	
Ludie Munn Coleman III	Lake City	James Othol Holcombe Frank Kostyra David LaGrone Tompkins, Jr.	Nutley, N. J.
	Horticu	alture	
James Vincent Caggiano Cowpens Thomas Vernon Nickless Central *Suzanne Perry Pearman Anderson		*Elizabeth Hamlin Schirmer Mt. Pleasant	
	Poultry :	Science	
Hugh Lee Gault		Roger Neron Langley	Johnsonville
		DOLLARDO	
	COLLEGE OF A	RCHITECTURE	
	BACHELOR C	OF SCIENCE	
	Building Co	onstruction	

#### **Building Construction**

Harry Raymond Askins, Jr Lake City	Donald Raymond Heller Stroudsburg, Pa.
Charles Pershing Beam, Jr Gaffney	Kenard Michael Knust Sparrows Point, Md.
James Arthur Buck Sumter	Earl O'Neil McCoy, Jr Oswego
Leslie Keith Compton Myrtle Beach	Robert Francis Moore Greenville
Duane Larry Falls Clover	Vinroe Stephen Player Sumter
Asa Stuart Godbold Florence	Waylon Brown Wilson, Jr Charleston

### BACHELOR OF ARCHITECTURE

Norman Edward Bello Charleston Heights	Han Choon Lee	Beckley, W. V	α.
Donald Edward Darden Balboa, Canal Zone	Paul Forrest Levine	Kensington, M	d.

### COLLEGE OF EDUCATION

#### BACHELOR OF ARTS

#### **Elementary Education**

	Elementary	Z Education	
Judith Katherine Bell	Piedmont	Elizabeth Wilson Nelson	Taylors
*Bessie Louise Durham		Sarah Cornelia Powell	
*Linda Ann English		Barbara Lynn Yost Rogers .	
***Martenza Lenoir Jones		Sharon Frances Shirley	
**Willie Chiles Martin		Mary Claudia Young	
Brenda Stephens Miller			Oldingar
	Secondary	Education	
**Elizabeth Fleming Balk	Blackville	**Susan Elizabeth Klinck _	Columbia
Ronnie Terrill Blume		Gary Owen Leonard	
Grady Spence Burgner Chattar		*Victoria Anne Mattis	
*Mary Alice Marett Clayton		Donald Edward Rochester _	
Larry Ray Crain		*Sally Ann Smith	
*Martha Elaine Hart		Tessa Leah Stewart	
***Nancy LaVerne Hill		Richard Warren Thomas	
James Alexander Johns Tir		*Sara Gene Tripp	
	BACHELOR	OF SCIENCE	
(*	AN	d Education	
		administered by the College as and the College of Education	
Dennis Nevitte Haltiwanger_Litt	le Mountain	William Abner Nash	Fountain Inn
Ryan Tillman Jackson III I	Decatur, Ga.	George Milton Reed, Jr	Anderson
*John Allen Livingston		Don Carlos Sharp III	Allendale
Charles Alexander Miller	Bennettsville	Perry Daniel Willis	Roebuck
		Education	
Albert Wayne Abrams		Robert Jeffrey Lake	
James Robert Byrd		Jeffrey Charles Pringle	
Heyward Douglas Elliott		Craig Gill Rice	the second secon
John Edward Charles Elliott, Jr.		Richard Locke Sparks	
Paul Francis Herbster, Jr K		*Walter Price Spires	
Kenneth Herbert Jones	Pickens	Michael Leon Tilley	Anderson
D.	ecreation and Pa	ark Administration	
			161 F1
William Ross Ammons Ba			
Joseph Wilton Bandy		Michael Lee Locklair	
Glenn Allen Bickett, Jr.		Bruce Wayne Lowry	
James Gordon Collier III		Dexter Conrad Moore, Jr	
Robert Marion Craig, Jr Port		Henry Edwin Nichols	
Wesley Davis Eidson Kanno		Warren Thomas Player	
Johnny Michael Embler	lownville	James LaBorde Prather, Jr.	
Bernard Charles Fagan	D N Y	Robert Charles Price	
Niebeles Burds Cottes In		Charles Lamar Roediger, Jr	
Nicholas Purdy Gettys, Jr.		Inha Dannin Snott	
*Richard Jehu Hanks		John Dennis Scott	
John Charles Hughes		Larry Bruce Stancil	
William McArthur Hughes		Francis Green Wilson	
Laval Hipp Johnson		Manley Storme Young III	IIIM ITOT
Crawford Martin Keese	wesuminster		
	Science '	Teaching	

### Science Teaching

Charles August Lawyer \_\_\_\_ Camden, N. J. Doris Ann Snow \_\_\_\_ Simpsonville

### 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.)

Agriculture and Biological Science	s and the College of Engineering.)
Thomas Ernest Bell III Orangeburg George Edward Hand San Antonio, Texas John Frederick Long Newberry	William Alfred McNeill Abbeville James Lloyd Wilson, Jr Chester
Communication	
	ngineering
William Frederick Brandt Easley Joseph Allen Carroll Chester David Gadsden McClure Anderson George Stone Robinson Lancaster	Thomas Lee Sinclair Union Charles Lewis Shackelford, Jr West Palm Beach, Fla.
Chemical I	Ingineering
James Wesley Bracken III Rock Hill Johnnie Earle Cockcroft Moncks Corner	Donald Bawden Knudson, Jr Arlington, Va.
Civil End	gineering
George Newman Allman, Jr Hampton, Va.	Richard Marion Pace Greenville
Scott Stilwell Askew Miami, Fla.	James Russell III Schenectady, N. Y.
*Thomas Osborn Barnwell, JrYonges Island	Charles Lewis Shackelford, Jr.
Kenneth Monroe Barrett Rock Hill	Bethlehem, Pa.
Robert Preston Chaplin III Ravenel	Guy Elmore Slagle, Jr Garden City Beach
Samuel Frank Copeland Bamberg	Donald Alexander Slate Atlanta, Ga.
John Thomas Coxey Spartanburg	Richard Lide Stroman Bowman
Robert Martin Crisp Asheville, N. C.	Virgil Garrett Svendsen Charleston
Arthur Bancroft deLaski III	*Reuben Sims Thomas Carlisle
Louis DesChamps Eckley Bishopville	Robert Edward Thomson, Jr Aiken
James Ralph Freeland Greenwood	Jerry Robert Timmons Travelers Rest
Charles Robert Gatch Beaufort	James Roy Todd, Jr Matthews, N. C.
John William Glenn Anderson	Peter Toussaint Augusta, N. J.
Joseph Banks Graham, Jr Chester	Lawrence Earl Triplett Cordova
Don Richard McCombs Greenville	Paul Coker Watson, Jr Columbia
Gary Lynn Pace Easley	David Earl Yount Spartanburg
Electrical E	Engineering
Brunello Accomando Inwood, N. Y.	Talmadge Hardman Luker Donalds
Wayne Harris Atkinson Greenville	Harry Edwin Moose, Jr Newberry
Harry Carlisle Avinger, Jr Orangeburg	Philip Cauthen Okey Rock Hill
Ronnie Sheldon Benjamin Liberty William Joseph Byrum Ir	Robert Andrew Pace Asheville, N. C. Mickey Earl Reeves Laurens
*William Lawrence Calkins Winnsboro	James Harold Smith Belton
Jerry Lee Cox Taylors	Larry Wayne Taylor Rock Hill
Fred Elms Culvern III Columbia	Charles Robert Tolley Hot Springs, N. C.
Charles Donald Godsey Greenwood	George Furman Williamson III Cades
Tenderated at Y	Engineering
industrial i	Engineering

David Marshall O'Shields \_\_\_\_\_ Pauline

Charles Alan Berkovich \_\_\_\_\_ Bethesda, Md.

James Ronald Cathey \_\_\_\_\_ Anderson

### Mechanical Engineering

Louis Lee Abernethy	_ Charlotte, N. C.
David James Bell	Lodge
*Nigel Robert Brooks	
Michael Lawrence Casey	Clemson
Danny O'Brian Derrick	Columbia
Thomas Fields Hash	
Harold William Johnson, Jr.	

Richard Manning Jones, Jr.	Green	ville
James Patterson McAliley, Jr	Rock	Hill
John Charles Marquardt Riviera	Beach,	Fla.
Renaud Eugene Pelletier	Rock	Hill
Terry Stephen Smith	Pinor	polis
Joseph Booker Whitehead Jackson	ville, l	V. C.

### Metallurgical Engineering

Willio	m	Shaul	Aı	mstrong	 Georgetown
John	Ya	rboroug	jh.	Latimer	 Bishopville

\*\*\*William Greene Williams III \_\_\_ Lancaster

### COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

#### BACHELOR OF ARTS

#### Arts and Sciences

Frank Herbert Arnold III	Charleston
Richard Hamilton Burgess A	thens, Ga.
Margaret Seales Chapin Jackso	nville, Fla.
Jerry Dale Eskew	Greenville
Kenneth Edgar Hall	Columbia
Hugh Valentine Harbort, Jr	Columbia
Edward Jennings King	Charleston

William Edward Martin	Umatilla, Fla.
Lawrence Lee Maxwell	Greenville
William Elwood Mays	Seneca
Raymond Thomas Peden	Piedmont
Harvey Thornton Smith, Jr	Augusta, Ga.
Charles Hamilton Tennent	Spartanburg
Andrew Phillips Wise	Greenville

### BACHELOR OF SCIENCE

### Industrial Management

Richard Jones Ashmore	Greenville
*John Oliver Avinger	Orangeburg
Terry Lee Bailey	Anderson
William Everett Batson	Pickens
Charles Edwin Bolen	Orangeburg
George Fox Bolen, Jr	Greenville
James Plummer Chick, Jr	Rock Hill
John Lee Cline Rutherfo	ord College, N. C.
Robert Martin Cochran	Union
Thomas Francis Cook	Ft. Worth, Texas
Gary Felton Crooks	Walhalla
Wayne Joseph Demcsak	_ Metuchen, N. J.
Samuel Pacy Dyer	Baltimore, Md.
James Edward Floyd	Conway
Michael Harry Fowler	Charleston
Michael Wayne Fowler	Charleston
Daniel Stephen Freeman	Duncan
George Willard Gaillard	Rock Hill
Albert von Kamp Gary, Jr.	Augusta, Ga.
John Melton Gault III	Jonesville
William Harper Gilbert, Jr.	Atlanta, Ga.
James Arthur Gulledge III _	Sumter
Clyde Walton Hanes, Jr	Holly Hill
Stephen Lee Hixson	Hartsville
James Douglas Hood	Greenville
Julius Clifford Hubbard III	

man in a community	
James Douglas Huff, Jr	Anderson
John Charles James	Sumter
Samuel Dickson Kennette	Greer
Jac Edward Knust	Baltimore, Md.
Joseph Michael Lhotsky, Jr	
Marvin Edward McAbee, Jr	
Clarence Edward McAlister, Jr.	
Joe Franklin McHugh, Jr.	
Daniel Frederick Moore Uppe	
Rodney Locke Nelson	
Houston Addy Peden, Jr	
Roland Lee Rayburn	
Charles Wallace Seigler	
Robert James Semerjian Wa	
James Chester Simpson, Jr.	The state of the s
Kenneth Everett Smith	
Thomas Carlyle Smith	
Danny Howard Swanger	
Robert Arthur Tedcastle II	Lantana, Fla.
William Echoles Thompson, Jr.	
George Daniel Walker So	
Wesley Franklin Walker	Rock Hill
John Marshall Wickham C	
James Eugene Wiggins III	Greenville
Nelson Harrison Woods	Beaufort

### Textiles

Harry Benjamin Partlow, Jr. \_\_\_\_\_ Rock Hill James Norman Williams, Jr. \_\_\_\_ Anderson

### COLLEGE OF LIBERAL ARTS

#### BACHELOR OF ARTS

BACHELO	R OF ARTS
Sandra Michelle Goodwin Anderson	Terence James Mulligan
William Allen Behrens Piedmont  *Diana Kay Bissey Charleston Richard Carnell Burgess Lancaster William Fdwin Childress Liberty David George Dutt York, Pa. Peggy Joyce Gentle Birmingham, Ala. Dean Ardash Haledjian Teaneck, N. J.  *Pelham Hancock Easley James Dalton Head III Greenville Gordon Louis Hesse Lavallette, N. J.  *Barbara Rawley Hinkle Mount Solon, Va. Pope Duncan Johnson III Newberry Mark Evans Kelly Montpelier, Vt.	Fred Eugene Pearman, Jr
	D MATHEMATICAL SCIENCES OR OF ARTS
Arts and	d Sciences
	David James Parker Camden Tommy Gene Perkins Greenwood
BACHELOR	OF SCIENCE
Che	mistry
David Anthony Colby Richmond, Va. *Taylor Bowman Jones Florence	Alan Constantine Walter, Jr.  San Diego, Calif.
Ge	ology
	Anderson
Matl	hematics
	Robert Erwin Liphard Baltimore, Md. Myrtle Janice Mull Marietta
Medical '	Technology
	Anderson
Pre-M	ledicine
Guery Alan Bowers Union	Dennis Arthur Moore Stratford, Conn.
	James Van Robertson Fairburn, Ga.

<sup>\*</sup>With honor

<sup>\*\*</sup>With high honor

<sup>\*\*\*</sup>With highest honor

### CANDIDATES FOR MASTERS' DEGREES

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### MASTER OF SCIENCE

Agricultural Economics

Robert Alan Graham \_\_\_\_\_ Gretna, La. William Phillip Hardee \_\_\_\_\_ Conway William Woodward Hall, Jr. \_\_\_\_ York

Animal Science

Don Avell Ballington \_\_\_\_\_ Lexington

Dairy Science

Robert James Wordinger \_\_ Philadelphia, Pa.

Entomology

Joseph Lane Kennedy \_\_\_\_\_ Darien, Ga.

Forestry

Edward Jackson Cornwell \_\_\_\_\_ Rock Hill Richard Camman Niederhof \_\_\_\_\_ Bonneau

Horticulture

James Theadore McClary, Jr. \_\_\_\_ Kingstree Billy LeRoy Morris, Jr. \_\_\_\_ Andrews

Microbiology

Katherine Fuller Kelly ...... Newberry

Poultry Science

Don Wendell Creed \_\_\_\_\_ Laurinburg, N. C. Stanley Roger North \_\_\_\_\_ Demarest, N. J. Charles Durham Humphrey \_ Shannon, N. C. James Thomas Parker \_ Elizabethtown, N. C.

Zoology

Nora Hull Featherston \_\_\_\_\_ Spartanburg Charles Daniel Riddle \_\_\_\_\_ Spartanburg

#### COLLEGE OF EDUCATION

MASTER OF EDUCATION

Karen Meredith LaFleur \_\_\_\_\_ Clemson Colon Terry Lane \_\_\_\_\_ Mountville

MASTER OF INDUSTRIAL EDUCATION

Benjamin Henry Phillips, Jr. \_\_\_\_ Newberry John Orville Schleig, Jr. \_\_ Long Branch, N. J.

#### 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.)

William Larry Vick \_\_\_\_\_ Camden, Tenn.

## Ceramic Engineering Charles Richard Reese \_\_\_\_\_ Union Warren Richard Walle \_\_\_\_\_ Monmouth Junction, N. J. Chemical Engineering Frederick Charles Ayer III \_\_\_\_\_ Seneca Joseph Edward Reilly \_\_\_\_\_ Charleston Irvin Atla Jefcoat \_\_\_\_\_ Hampton, Va. William Rodney Schofield \_\_\_\_\_ Rock Hill Electrical Engineering Thomas Oscar Curlee III \_\_\_\_\_ Greenville Donald Edward Gray \_\_\_\_ Spartanburg **Engineering Mechanics** Kai-Chia Wang \_\_\_\_\_ Taipei, Taiwan Mechanical Engineering Joseph William Culp \_\_\_\_\_ Rock Hill Harrell Hudson Waldrop \_\_\_\_ Greenville Nan-Sen Liao \_\_\_\_ Hsinchu, Taiwan Water Resources Engineering Glenn Wayne Dukes \_\_\_\_\_ Greenville COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE MASTER OF SCIENCE Management Wolf Dieter Bender \_\_\_\_\_ LaUnion, Chile COLLEGE OF LIBERAL ARTS MASTER OF ARTS English William Alvin Shore \_\_\_\_\_ Baldwin, Ga.

### COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

#### MASTER OF SCIENCE

### Chemistry

Clyde Preston Brown Charleston Linda Carol Leonard Cowherd	Richard Merle Rice Kingsville, Texas Richard George Schack California, Ky
LaFayette, Ga.	Ann Edwards Womble Augusta, Ga
Mathe	matics
Patricia Thompson Brown Laurens	Julia Wood Tilley Atlanta, Ga.
Phy	rsics
Robert Emmett Flannery Chicago, Ill.	William Alfred Lindstrom Wetumpka, Ala.

### CANDIDATES FOR DOCTORS' DEGREES

and Selected Herbicides

Algorithm Methodology

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### DOCTOR OF PHILOSOPHY

#### Agricultural Economics

#### COLLEGE OF ENGINEERING

#### DOCTOR OF PHILOSOPHY

#### Engineering

John Irving Elsey \_\_ Baytown, Texas B.S., M.S., Clemson University Dissertation: The Design of Optimal Control Systems for Multivariable Processes by Direct Search (Field of Specialization: Chemical Engineering) Michael Robert Halberg \_ Hibbing, Minn. B.S., University of Minnesota; M.S., Iowa State University Dissertation: Simulation of Oxygen Transport in the Brain by Monte Carlo Methods (Field of Specialization: Chemical Engineering) Charles Lee Tsui \_\_ Taipei, Taiwan B.S., Taiwan University; M.S., University of Minnesota Dissertation: An Analytical and Numerical Study of Circular Sandwich Plates Under Thermal and Mechanical Loads (Field of Specialization: Civil Engineering) Charles David Veal \_\_ Panama City, Fla. B.Ag.E., M.S., University of Florida Dissertation: Use of Radio Frequency Waves for Evaluation of Tomatoes (Field of Specialization: Agricultural Engineering)

### COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

#### DOCTOR OF PHILOSOPHY

#### **Engineering Management**

Max Grey Holland \_\_\_\_\_\_ Gastonia, N. C.

B.S., Clemson University; M.B.A., Georgia State College

Dissertation: An Efficient Allocation of General Hospital Facilities in Rural Areas: A Computer

### COLLEGE OF PHYSICAL AND MATHEMATICAL SCIENCES

### DOCTOR OF PHILOSOPHY

### Chemistry

Clyde Edward Opliger	Fredericksburg, Ohio
B.S., Kent State University; M.S., Emory University: Dissertation: Approaches to and a New Total Syn	
lated Compounds	mesis of neduced d, 1-frouporphines and ne-
Kenneth Bedros Takvorian	Philadelphia, Pa.
B.S., Philadelphia College; M.S., Clemson University	
Dissertation: Synthesis and Properties of Metal Che	elates for Polymerization Studies
Chemical I	Physics
George Francis Adams	Oakland, Calif.
B. S., Wabash College; M.S., Clemson University	
Dissertation: Application of the Quantum Mechanic Triatomic Molecules	al 3-Body Problem to the Study of Non-Linear,
Mathema	
John Cleveland Perkins B.A., Wofford College; M.S., Clemson University	Valdese, N. C.
Dissertation: Symmetric and Involutory Matrices ov	
Dissolitation: Dyminotic and investory includes of	
Edward Thomas Hutcheson	
B.S., University of Richmond; M.S., Clemson Univ	
Dissertation: The Effect of Applied Strain on the Ele	
tion Temperature of Thin Lead Films	
Danny Ray Overcash	China Grove, N. C.
B.A., Pfeiffer College	
Dissertation: Fermi Surface Topology Changes in In Whiskers Under Strain	Alloys Deduced from the Behavior of In Alloy
Michael William Riley	Kingsville, Md.
B.S., Loyola College; M.S., Clemson University	
Dissertation: Higher Order Elastic Constants in Me	etal Whiskers