

8-6-1983

# Clemson Commencement Program, August 1983

Clemson University

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## Recommended Citation

University, Clemson, "Clemson Commencement Program, August 1983" (1983). *Clemson Commencement Programs*. 71.  
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# CLEMSON UNIVERSITY

## Graduation Exercises

August 6, 1983

Clemson, South Carolina

# GRADUATION

Saturday, August 6, 1983

11:00 a. m. Littlejohn Coliseum

## Order of Ceremonies

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

### Invocation

The Reverend Robert M. Matthews  
Fort Hill Presbyterian Church  
Clemson, South Carolina

### Conferring of Honorary Degrees

Conferring of Degrees in Course and Delivery of Diplomas

President Bill L. Atchley

### Welcome to New Alumni

Jeffrey P. McNeill  
Director, Alumni Relations

### Benediction

Frank W. Breazeale, Organist

## **HONORARY DEGREE**

### **DOCTOR OF HUMANITIES**

**M. MACEO NANCE, JR.**

The presidency of S. C. State College in Orangeburg marks the culmination of a nearly lifelong association for M. Maceo Nance, Jr. He received his bachelor's degree from the school in 1949 and, after earning his master's from New York University, embarked on a quest to improve educational opportunities for black students in South Carolina.

One of Dr. Nance's early positions with S. C. State was as manager of the Student Union. At the time, State had some 2,000 students enrolled in classes utilizing an assembly of aging buildings. There was work to be done, and Dr. Nance was the one with the vision and the determination to accomplish it.

From that modest beginning, Maceo Nance began to work his way up the administrative ladder at S. C. State. From Assistant Business Manager to Business Manager, from Vice President for Business and Finance to Acting President, Nance demonstrated administrative skill and integrity. He ascended to the presidency of the school in 1968 at the age of 41.

But Maceo Nance has not been content to sit back and watch the world go by. While striving for quality at S. C. State, he has not lost sight of the needs of black students elsewhere. He has involved himself with many national educational organizations including the National Association of Equal Opportunity in Higher Education, the Commission on Federal Relations of the American Council on Education and the National Association for Advancement of Public Negro Colleges.

Improving his community has also been a priority. Dr. Nance is a life member of the NAACP, and serves on the board of directors of Bankers Trust of South Carolina, the United Way of South Carolina and Blue Cross and Blue Shield of South Carolina.

Dr. Nance's contributions have not gone unnoticed. He has received honorary degrees from Morris Brown College, Francis Marion College, the University of South Carolina and The Citadel. He has also been awarded the Outstanding Civilian Service Medal by the Army and honored "for distinguished service in education and the community" by the Kappa Alpha Psi fraternity.

Along the way, Maceo Nance has found the time to raise a family. He and his wife, the former Julie E. Washington, have two children. Mrs. Nance, by the way, is an alumna of S. C. State.

Today, S. C. State College has a total enrollment of roughly 4,000 students. State recently completed a ten-year building and renovation program. It is estimated that more than 40 percent of South Carolina's black citizens have some tie, direct or indirect, to the institution. That means better than a million people have been touched by the work of this man.

For his contributions to higher education in South Carolina; for his commitment to progress for all people through knowledge and learning; for his lifetime of service to mankind as an educator and conscientious citizen of this state and nation, Clemson University is proud to present the honorary Doctor of Humanities degree to M. Maceo Nance, Jr.



## HONORARY DEGREE

### DOCTOR OF LAWS

JAMES MADISON WADDELL, JR.

*"Some people see things as they are and say why," said the late Senator Robert F. Kennedy. "I dream things that never were and say why not."*

JAMES MADISON WADDELL, JR., a man of action as well as dreams, has devoted a lifetime to saying why not for South Carolina.

Why not, he asked, when the dream was to find a rational and feasible way to manage use of South Carolina's coastline so as to protect its quality and fragile beauty while enjoying its recreational and economic benefits.

Why not, he asked, when the dream was to provide better, more effective care and services for the state's mentally ill citizens by developing the "village concept" and community mental health facilities.

Why not, he asked, when the dream was to establish a research and development center to provide for "saltwater agriculture," a field with tremendous economic promise for South Carolina, the same sort of scientific and scholarly support provided for traditional forms of agriculture by the South Carolina Agricultural Experiment Station. In fitting tribute to his vision and forward-thinking, this facility, which is currently under construction, will be known as the James M. Waddell, Jr. Mariculture Research and Development Center.

These are but a few of the dreams Senator James Waddell has helped his fellow South Carolinians realize during his long and distinguished career as one of the state's most able, most respected, and most dedicated public servants.

Senator Waddell was born on November 1, 1922, in Boyde, Arkansas, but his links to South Carolina reach back a century to when his great-grandmother left the Cheraw area with her family to farm cotton in Arkansas. The family returned to South Carolina in the 1920s.

After interrupting his education to serve with distinction as a soldier in World War II — during which he was wounded and received numerous medals for valor, including The Bronze Star and The Purple Heart — Senator Waddell resumed his studies at The Citadel, from which he was graduated in 1947. Having settled in Beaufort County, he made his first bid for public office in 1954, prompted by a desire to help improve health care in the Lowcountry. Winning that race for the State House of Representatives, he served there until 1958. He has been elected to the State Senate every four years since 1960 and currently is fourth in seniority in that body.

Senator Waddell has fought tirelessly and successfully for such landmark legislation as the Coastal Zone Management Act, the Sea Grants Act, the Education Finance Act, the Tax Equalization Program Act, and the Joint Appropriations Review Committee Act, to name just a few.

In addition to his work in the Senate, he has served and continues to serve the state in a myriad of other leadership roles. At present he chairs the South Carolina Coastal Council, the Tax Study Commission, the Boundary Commission, and this University's Board of Trustees, of which he is a Life Member.

Clemson University is proud to present to one of its own this honorary Doctor of Laws degree in recognition of his outstanding record of unselfish, sensitive and effective service to the people of South Carolina.

## CANDIDATES FOR BACHELORS' DEGREES

### COLLEGE OF AGRICULTURAL SCIENCES

LUTHER PERDEE ANDERSON, Dean

#### BACHELOR OF SCIENCE

##### Agricultural Economics and Rural Sociology

Wilbur Derrick Ivey, Jr. _____	Hemingway	Charles Kendrick Taylor _____	Greer
Thomas Russell Rogers _____	Camden	Edward Hampton Wyman _____	Estill
Jimmie Lee Sweatt, Jr. _____	Bennettsville		

##### Agricultural Mechanization and Business

James Benjamin Linder III \_\_\_\_\_ Orangeburg

#### Animal Industries

Christopher Samuel Campbell _____	Summerville	Glenn Ward Stevens, Jr. _____	Belton
Barry Dwaine Dennis _____	Lake City	Eric Lee Vickery _____	Anderson
Herbert Stanley Flanders _____	Adrian, Ga.		

#### Economic Biology

David Arther Graves _____	Columbia	Temple Ruth McTeer _____	Beaufort
Jeffrey Rae Kramer _____	Hampton	Steven Chrisley Rhodes _____	Clemson

#### Plant Sciences

Amy Lynn Bowen _____	Fitzgerald, Ga.	Paul Alexander Fellers _____	Charlotte, N. C.
Claude Garrett Burns _____	Sumter		

#### Pre-Professional Studies

\*William David Altman \_\_\_\_\_ Galivants Ferry

### COLLEGE OF ARCHITECTURE

HARLAN EWART McCLURE, Dean

#### BACHELOR OF ARTS

##### Design

Mark David Gilliland \_\_\_\_\_ Spartanburg

#### BACHELOR OF SCIENCE

##### Building Science and Management

Johnny Pete Copses _____	Spartanburg	Millard Turner Dozier, Jr. _____	Florence
Charles Edwin Dickson, Jr. _____	Camden	Mark Raymond Pope _____	Aiken

##### Design

Michael Walter Oleksak _____	Erie, Pa.	Terance Lee Williams _____	Fayetteville, N. C.
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### COLLEGE OF COMMERCE AND INDUSTRY

RYAN CUSTER AMACHER, Dean

#### BACHELOR OF ARTS

##### Economics

Staci Leigh Tolliver \_\_\_\_\_ Easley

#### BACHELOR OF SCIENCE

##### Accounting

*Carol Anne Crocker _____	Easley	Rhonda Faye Rister _____	Walterboro
Thomas Allen Fassett _____	East Springfield, N. Y.	William Saltar Sizer _____	Florence
James Eric Livingston _____	Greenwood	Samuel Grayson Stephens, Jr. _____	St. George
Deborah Lynne Newsome _____	Easley	Mary Ann Petrakovich Vatakis _____	Glenshaw, Pa.
Virginia Anne O'Neill _____	Rockaway, N. J.		



### Administrative Management

LaConyea Judy Abbott	Greenville	Ruslyn Marie Martin	Decatur, Ga.
Cindy Lee Aiken	Greenwood	Herbert Stephen Moses	Greenville
Timothy Scott Alber	Greenville	Arnold Lipe Parker, Jr.	Lexington, N. C.
Kendall Kirk Alley	Salisbury, N. C.	Paula Jane Patterson	Clemson
William Ewell Arnett III	North Augusta	Larry Boyd Penley, Jr.	Dallas, N. C.
George Bradford Baker	Austin, Texas	Barbara Anne Peunic	Florence
Barbara Batchelor	Miami, Fla.	Toney Jackson Pitts	Richmond, Va.
Martha Duncan Bishop	Clemson	Thomas Arthur Provost	Greenville
Anthony Joe Black	Easley	Joseph Phillip Reiland	Greenville
William McNeal Blewer, Jr.	Cordova	Deborah Jean Renshaw	Wayne, N. J.
Kelly Jean Bolt	Anderson	Charles Rabb Renwick	Winnboro
Samuel Murray Brown	Iva	Mary Esther Revis	Beech Island
Bithyia Christine Butner	Easley	George Walker Rhoden, Jr.	Greenville
Joseph Brewer Chambers	Beaufort	Charles Clarence Rodgers III	North Charleston
Dean Timothy Clanton	Columbia	Christopher Goode Sarratt	Easley
Nellie Charlene Clayton	Lyman	Dale Dewitt Saulisbury	Charleston
Bruce Emerson Crocker	Greenwood	Russell Peter Stewart	Bricktown, N. J.
Macie Elizabeth Douglas	Edgemoor	Daniel Boyd Todd	Myrtle Beach
Mary Katherine Evans	Cameron	Donna Leslie Townsend	Tampa, Fla.
Roger Thomas Godwin	Cheraw	Stephen Donald Trotman	Dover, Del.
James Gordon Gullede	Greenville	Timothy Alan Webber	Spartanburg
Jack Mauldin Hagood	Easley	Samuel Ray Whitfield	Seneca
Joyce Catherine Hill	Charleston	Steven Mark Williams	Greenville
John Russell Knight	Orangeburg	David Harry Ziegler	Allentown, Pa.
Timothy Alvin Mahaffey	Easley		

### Economics

Mark David Baskin	Lexington	Camilla Dawn Sudduth	Spartanburg
Julian Charles Bradham, Jr.	Myrtle Beach	Stephen Jennings Wilkins	Clinton
Ann Ladson Jervy	Johns River		

### Financial Management

Pamela Denise Carland	Mills River, N. C.	Michael William Hunter	Decatur, Ga.
Elizabeth Ann Daniels	Manning	David Lee Johnson	Kingsport, Tenn.
William Eddins Galloway, Jr.	Hartsville	Jonathan Scott Plisco	Bethlehem, Pa.
Sabella Mitchell Greeley	Clover	Bruce Alan Rachman	Concord, Mass.
Lawrence Marion Gressette III	St. Matthews	Laura Louise Reid	Jacksonville, Ala.
Cheryl Tucker Griffith	Anderson	Talitha Rogers	Greenville
Christopher Mark Hemmings	Jacksonville, Ala.	Maurice Tinsley	Wolverhampton, England

### Industrial Management

Kenneth Olen Arms	Spartanburg	William Thomas Linton III	Greensboro, N. C.
David Daniel Dawley	Asheville, N. C.	Theresa Marie Ols	Greenville
Capers Adams Easterby	Greenville		

## COLLEGE OF EDUCATION

JAMES EDWARD MATTHEWS, Dean

### BACHELOR OF ARTS

#### Early Childhood Education

Janice Lynn Bennett	Columbia	Lee Ann Morris	North Charleston
Robin Lynn Cromartie	Georgetown	Judy Lorraine Windham	Chesterfield
Cynthia Darlene Giles	Pendleton		

#### Elementary Education

Karen Lynn Aldridge	Seneca	Louise Marie Lewis	Walterboro
Leesa Dawn Benson	Greer	Sanya Renee Martin	Hanahan
*Laura Sue Dendy	Seneca	Wynette Young Singleton	Belton
Melissa Faye Donald	Seneca	Nancy Gay Van Wagner	Little Silver, N. J.
Loretta Rose Fanelli	Smithtown, N. Y.	Dana Zonneville	Springlake, N. J.

### Secondary Education

Thomas Edward Langston III	Spartanburg	Nancy Jo Snipes	Spartanburg
Elizabeth Harriet Latto	Charleston	Suzanne Merck Tripp	Piedmont
Royce Scott Parker	Gaffney	Elizabeth Nell Tuten	Florence

### BACHELOR OF SCIENCE

#### Agricultural Education

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

Debra Myrick Silvoy \_\_\_\_\_ Macon, Ga.

#### Industrial Education

Vernie Lee Anthony	Collins, Ga.	Jennifer Louise Fennell	Columbia
William Adger Bishop III	Greenville	William Huffman Hawkins	Newberry
David Anderson Bounds	Summerville	Randal Jay Learn	Belvidere, N. J.
William Banks Childs, Jr.	Anderson	Steven Aloysius Matonak	Columbia
Robert Allen Fant	Pendleton	Barry Stanley Whitten	Clemson

### Pre-Professional Studies

\*\*\*Robin Leigh Newton \_\_\_\_\_ Clemson

### Science Teaching

Beverly Dulany Glenn	Greenville	Stephen William Hale	Decatur, Ga.
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## COLLEGE OF ENGINEERING

JOSEPH CHARLES JENNETT, Dean

### BACHELOR OF SCIENCE

#### Ceramic Engineering

Richard Speight Floyd, Jr.	Quinby	Mark Hugo Leuner	Johannesburg, South Africa
Preston Cory Jackson	Rock Hill	***William Duncan Rankin	Aiken

#### Chemical Engineering

Dennis Brian Brooks	Taylors	Michael Gerard Long	Florence
Charles Frederick Faraci	Aiken	Joel Brian Sturgis	Rock Hill

#### Civil Engineering

Bahman Alikhah	Tehran, Iran	Roger Alan Reid	Pickens
Thomas Neal Butler	Aiken	Jeffrey Dean Roberts	Anderson
William Gordon Cavedo	Anderson	Karl Alexander Schaack	Simpsonville
Gregg Ralph Corley	Seneca	Jeffrey Douglas Singletary	Hanahan
*Gerald Andrew Dalrymple	Pendleton	Pamela Robertson Verdery	Augusta, Ga.
James Howard Humphreys	Greenville	William Gary Wash	Edgefield
*Martha Lynn Jones	Clemson	Carla Marcelle Washington	Mt. Pleasant
Mark Boyd Peters	Mauldin	Hossein Zandi-Atashbar	Isfahan, Iran
***Frances Nell Phillips	Greer		

#### Electrical Engineering

David Michael Baird	Ladson	†Donald Eugene Purvis, Jr.	Florence
Sharon Gaye Lowder	Florence	John Paul Rollins	Kewanee, Ill
Charles Hansel McAbee	Spartanburg	Steven Boyd Rudisail	Gaffney
Paul Daniel Puffenbarger	Columbia		

#### Engineering Technology

Randall Ernest Aiken	Greenwood	Coy Lee Lowman	Johnston
Timothy Keith Appleton	Clemson	Charles Anthony Neely	Greenville
Matthew Steven Capinas	Sumter	Kent Huntly Oliver	Spartanburg
Charles David Hamburger	Chapin	Frederick Wayne Richmond	Richmond, Va.
Todd Adelson Hartshorn	Summerville	Jack Wynant Steadman, Jr.	Bamberg
Martin Wesley Jolly	Winnboro	James Hill Welborn, Jr.	Charleston
Derrall Reed Linder	Cope	Milton Lloyd Wright	Greer



### Mechanical Engineering

*Charalambos Stelios Charalambous	Richard Wilfred Ryan	Charleston
----- Nicosia, Cyprus	Kerry Scott Settlemyer	Chester
Richard Paul Elder ----- North Charleston	David Wayne Stokes	Columbia
Robert Fulton Jeffreys ----- Jacksonville, Fla.	John Kenneth Watkins, Jr.	Goose Creek
Louis Merriman Jordan ----- Union	Alan Patrick Webster	Bennettsville
Paul R. Kelker ----- North Augusta	William Evans West	Spartanburg
Melanie Virginia Kelley ----- Greenville	Reginald Westwood Whitehurst III	Spartanburg
Robert Preston Lawhon ----- Union	Jerry Alan Whitley	Ladson
Jefre Leland Millwood ----- Spartanburg	Robert Lawrence Wiggins, Jr.	Clemson
Samuel Arthur Roberson, Jr. ----- Charleston		

## COLLEGE OF FOREST AND RECREATION RESOURCES

BENTON HOLCOMBE BOX, Dean

### BACHELOR OF SCIENCE

#### Forest Management

Amy Louise Fore ----- Mt. Pleasant

#### Parks, Recreation, and Tourism Management

**Ellen Harris Carter	----- Central	Lisa Larkin Girmindl	----- Gastonia, N. C.
Mary Anne Cubelic	----- Columbia	James Donald Hartnett, Jr.	----- Coral Gables, Fla.
Evelyn Senseney Davis	----- Florence	Richard James Moon	----- Seneca
William Fisher Easterling	----- Spartanburg	Diana Lin Reed	----- Columbia
Nancy Aleta Ellington	----- Pendleton	James Kenneth Thrift	----- Anderson
Kimberly Ann Gillespie	----- Griffin, Ga.	*Karen Elizabeth Whiteman	----- Hilton Head Island

## COLLEGE OF LIBERAL ARTS

ROBERT ALFRED WALLER, Dean

### BACHELOR OF ARTS

#### English

*David Randall Cox	----- Clemson	Beryl Michelle Wickliffe	----- Greenville
Anne Lee Dunn	----- Kensington, Md.		

#### History

Cynthia Gay Rodgers	----- Beaufort	Martha Diane Thompson	----- Pelzer
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#### Political Science

Peter Rogers Demery	----- Los Angeles, Cal.	Paul Joseph Hinckley	----- Buckingham, Pa.
Joseph Robert Eades, Jr.	----- Liberty		

#### Psychology

Martha Regina Hall	----- Donalds	Mary Lisa Smith	----- Winter Park, Fla.
Darrell Ray Martin	----- Bishopville	Lisa Ann Wood	----- Hilton Head Island
Michelle Tralane Pinson	----- Clemson	Arthur McCollum Wray	----- Clemson
William A. Shoolbred	----- Spartanburg		

#### Sociology

John Voorhees Brookshire III	----- Pendleton	Karen Vanessa Lawing	----- Simpsonville
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#### Double Major

##### English and History

James Phillip Haughey, Jr. -- Lurgan County, Armagh, Northern Ireland

#### German and Political Science

Charles Ernest Bailey ----- Summerville

**COLLEGE OF SCIENCES**  
**HENRY ELLIOTT VOGEL, Dean**

**BACHELOR OF ARTS**  
**Double Major**  
**Chemistry and History**

George Ira Miller, Jr. \_\_\_\_\_ Waynesville, N. C.

**BACHELOR OF SCIENCE**  
**Computer Science**

Ralph Melvyn Bley \_\_\_\_\_ Central      Gaines Parkerson Carter \_\_\_\_\_ Charleston  
\*Joan Marie Brittain \_\_\_\_\_ Aiken      Sidney A. Mason, Jr. \_\_\_\_\_ Pendleton

**Geology**

David Hunt Campbell, Jr. \_\_\_\_\_ Laurens

**Mathematical Sciences**

Dean Laurence Pitts, Jr. \_\_\_\_\_ Greenville

**Medical Technology**

Suzanne Dorene Brewer \_\_\_\_\_ Anderson      Vicki Lorraine Lowery \_\_\_\_\_ Saluda  
\*Meri Edith Christian \_\_\_\_\_ Goose Creek      Philip Alan Poston \_\_\_\_\_ Lake City  
\*Sylvia Leigh Johnson \_\_\_\_\_ Camden      \*Christina Gail Whitlock \_\_\_\_\_ Middletown, Del.

**Microbiology**

Kimberlyn Marie Poston \_\_\_\_\_ Johnsonville      \*\*Russell Berchman Stapleton \_\_\_\_\_ Hilton Head Island

**Pre-Professional Studies**

Charles Gaither Bumgardner \_\_\_\_\_ Columbia      \*\*\*Frances Alice Clemo \_\_\_\_\_ Greenville

**Zoology**

Jill Elaine Borbas \_\_\_\_\_ Madison, N. J.

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\* Cum laude: A grade point ratio of 3.40 to 3.69

\*\* Magna cum laude: A grade point ratio of 3.70 to 3.89

\*\*\* Summa cum laude: A grade point ratio of 3.90 to 4.00

†Senior division honors: The students so designated have earned a B or better in 12 credits of honors work at the upper division level, have a minimum GPR overall of 3.00, and have been recommended by their department or college.

# CANDIDATES FOR EDUCATION SPECIALIST AND MASTERS' DEGREES

ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

## COLLEGE OF AGRICULTURAL SCIENCES

### MASTER OF AGRICULTURE

Dennis Stuart Thompson ----- Durham, N. C.

### MASTER OF NUTRITIONAL SCIENCES

Joyce Ann Gilbert ----- Woodbridge, Va.

### MASTER OF SCIENCE

#### Agricultural Economics

Katherine DeLayne Young ----- Hopkins

#### Agronomy

William David Witherspoon, Jr. ----- Conway

#### Horticulture

Ray David Browning ----- Anderson

#### Nutrition

Korinn Edna Saker ----- Freehold, N. J. William Glaze Vaughan ----- Gainesville, Ga.

#### Wildlife Biology

Lewis Crawford Crouch, Jr. ----- Green Pond

## COLLEGE OF ARCHITECTURE

### MASTER OF CITY AND REGIONAL PLANNING

Deborah Man-Yee Lieu ----- Hong Kong, China

## COLLEGE OF COMMERCE AND INDUSTRY

### MASTER OF ARTS

#### Economics

Mark David Wasserman ----- Rockaway, N. J.

### MASTER OF SCIENCE

#### Management

Elizabeth Reid Anderson ----- Spartanburg

Mark David Hanna ----- Charleston

John Alvin Bickley ----- Barnwell

Charles Francis Paterno ----- Seneca

Brian Edward Coates ----- Taylors



## COLLEGE OF EDUCATION

### EDUCATION SPECIALIST

#### Administration and Supervision

Roy Farrell Cassell \_\_\_\_\_ Greenwood Billie Jean McGaha \_\_\_\_\_ Greenville

### MASTER OF AGRICULTURAL EDUCATION

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

Carroll P. Culbertson _____	Greenwood	William Kellon Hall _____	Bennettsville
John Alan Cunningham _____	Leesville	Thomas Earl Harmon _____	Gilbert
Christopher Dale Edge _____	North Myrtle Beach	Howard Hugh Hiller _____	Walhalla
Thomas William Gladden, Jr. _____	Winnsboro	Daniel Gregory Vaught _____	Florence

### MASTER OF EDUCATION

#### Administration and Supervision

Carl Michael Campbell _____	Abbeville	Nancy Anne Lind _____	Abbeville
Gerald Edward Hiles _____	Easley	Richard Lee Spencer _____	Statesville, N. C.

#### Elementary Education

Gordon Cromer Boone _____	West Columbia	Donna Major King _____	Greenville
Patsy Charlene Bratcher _____	Honea Path	Patricia Kittell Owens _____	Abbeville
Lori Blankenbaker Bruce _____	Pendleton	Alison Belmont Price _____	Toccoa, Ga.
Mary Cason Campbell _____	Abbeville	Sara Cartledge Sherard _____	Abbeville
Kathryn Leigh Crocker _____	Liberty	Sherill Tumblin Sherer _____	Gray Court
Marilyn Leesa Finley _____	Abbeville	Mae Joyce Burke Singleton _____	Anderson
Cynthia Wiggins Hammond _____	Greenville	Bobby Ray Smith _____	Anderson
Pamela Merck Harris _____	Pickens	Vicki Lynn Smith _____	Toccoa, Ga.
Susan Hopkins Isbell _____	Anderson	Margie Mathis Wood _____	Hodges
Harriette Hedgepath Kinard _____	Prosperity		

#### Personnel Services

Mary Lynn Allen _____	Greenville	James Broadus Hadden _____	Fountain Inn
Steven Charles Breiter _____	Lafayette, Cal.	Amy Heitzenrater _____	Englewood, Cal.
Patricia B. Carner _____	Clemson	Ranelle Henderson Johnson _____	Calhoun Falls
Glenda Campbell Chewning _____	Greenville	Nancy Lemke Kornfeld _____	Taylors
Michael Frederick Dixon _____	Georgetown, Ontario, Canada	Richard Francis Murphy II _____	Clemson
		Virginia Nell Smallwood _____	Greensboro, Ga.
Chevis Samuel Donald _____	Seneca	Linda Sue Stegall _____	Greenville
Lagenia Durham _____	Anderson	Donald Everett Watson _____	Greenville
Linda Delores Frates _____	Lawrenceville, Ga.	Audrey Chenelle Webb _____	Pendleton

#### Reading

Vickie Scantlin Dremel _____	Martinsville, Va.	Joyce Steele Stewart _____	Six Mile
Laurie Bledsoe Morris _____	Ninety Six	Marilyn B. Wood _____	Ninety Six
Marcia Diane Ott _____	Greenville		

#### Secondary Education

Susan M. Anderson _____	Pickens	Ralph Steven Frady _____	Spartanburg
Curtis Richard Ballard _____	Easley	Larry Wallace Jones, Jr. _____	Pickens
Georgia Chatos _____	Greenwood	Gwendolyn Starr Peacock _____	Concord, N. C.

#### Special Education

Beverly Weeks Brown _____	Greenwood	Brenda Faye Gibson _____	Maryville, Tenn.
Nancy Pettigrew Brown _____	Starr	Chris Leigh Peters _____	New Orleans, La.
Janice Pitts Cox _____	Westminster	Susan Dianne Walker _____	Greenville

### MASTER OF INDUSTRIAL EDUCATION

Wallace Daniel Cook _____	Greer	Craig Edward Sahli _____	Hudson, N. C.
Kelly Jean Ramsey Fede _____	Clarkesville, Ga.	Robin Louis Thames _____	Chicago, Ill.
Richard Dowling Kalk _____	Greenville	Michael Lynn Thompson _____	Latta

## COLLEGE OF ENGINEERING

### MASTER OF ENGINEERING

#### Civil Engineering

Johnny Wayne Gibson ----- Greenville

#### Electrical Engineering

Anthony Antuono -----	Plaistow, N. H.	Dennis William Morgan -----	Burlington, N. C.
Ellis Holt Bailey -----	Winston-Salem, N. C.	Karen Lane Overton -----	Richmond, Va.
Bruce Bernhard Boehlke -----	Grayson, Ga.	Andy Kim Pifer -----	Columbus, Ohio
Joseph Gregory Gilbert -----	Lisle, Ill.	Donnie Melvin Price -----	Jamesville, N. C.
Simon Eli Goldman -----	Newburyport, Mass.	David Milton York -----	Mesquite, Texas
Kenneth Andrew Holder -----	Winston-Salem, N. C.	Mark Philip Zich -----	Omaha, Nebr.

### MASTER OF SCIENCE

#### Bioengineering

Michael Bushelow -----	Spring Valley, N. Y.	Marshall Whitson Walker, Jr. -----	Anderson
Alan Morris Rosenbaum -----	Cleveland Heights, Ohio		

#### Ceramic Engineering

William Clifton Andrews, Jr. -----	Kings Mountain, N. C.	Frederick Whitfield Dantzler, Jr. -----	Holly Hill
		Deepak Mehrotra -----	New Delhi, India

#### Chemical Engineering

Darrell Richard Shier -----	Livonia, Mich.	Imad Mohammed Khair Sleiman -----	Beirut, Lebanon
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#### Civil Engineering

Te-Chuan Chang -----	Kaohsiung, Taiwan	David John Stevens -----	Bradenton, Fla.
Abhinav Gandhi -----	New Delhi, India		

#### Computer Engineering

Geoff George -----	Galliano, La.	David Diedrich Miller -----	Charleston
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#### Electrical Engineering

Ravi Kumar Anantharaman -----	Bangalore, India	Jinwoo Park -----	Silver Spring, Md.
Hamid Najafi -----	Tehran, Iran	Jeffrey John Sitterle -----	Pittsburgh, Pa.

#### Environmental Systems Engineering

Michael Elliott Fessler -----	Colts Neck, N. J.	Raymond Vincent Magyar -----	South Bend, Ind.
Patricia Eida LaManna -----	Asheville, N. C.		

#### Mechanical Engineering

Michael Brendel -----	Pittsburgh, Pa.	Koman Balakrishna Nambiar -----	Nileshwar, India
Chang So Han -----	Seoul, Korea		

#### Systems Engineering

Gary Christopher Kiel -----	Tucker, Ga.	John Tan Ngo Sy -----	Manila, Philippines
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## COLLEGE OF FOREST AND RECREATION RESOURCES

### MASTER OF FORESTRY

Emil Evan Abraham -----	Framingham, Mass.	Sarah Kathryn Owen -----	Florence
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### MASTER OF RECREATION AND PARK ADMINISTRATION

Elizabeth Marie Barch ----- Newport News, Va.

### MASTER OF SCIENCE

#### Forestry

Steven Wilson Cobb -----	Columbia	James Kenneth Edwards -----	Ball Ground, Ga.
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## COLLEGE OF LIBERAL ARTS

### MASTER OF ARTS

#### English

Carole Joyce Connor \_\_\_\_\_ North Myrtle Beach      Jared Calvin Evatt, Jr. \_\_\_\_\_ Central  
Amanda Gloria Dyar \_\_\_\_\_ Seneca

## COLLEGE OF NURSING

### MASTER OF SCIENCE

#### Family Health Nursing

M. Jeannette Fogle \_\_\_\_\_ Greenville

## COLLEGE OF SCIENCES

### MASTER OF SCIENCE

#### Biochemistry

William Andrew Brennan \_\_\_\_\_ Charlotte, N. C.      John Edward McVey \_\_\_\_\_ Canton, Ohio  
Judith Lee Bottcher Hoover \_\_\_\_\_ Clemson      Barbara Joseph Onufer \_\_\_\_\_ Charleston

#### Chemistry

Amruthur Venkatesan Satish \_\_ Bangalore, India      Cheryl Knowles Zalesky \_\_\_\_\_ Greenville  
Kurt D. Van Tassel \_\_\_\_\_ Wichita, Kan.

#### Computer Science

Vinod Kumar Gupta \_\_\_\_\_ Clemson

#### Mathematical Sciences

Sandra Lee Cedel \_\_\_\_\_ Alexandra, La.      John Richard Thornton \_\_\_\_\_ Charlotte, N. C.  
William Joseph Gabet \_\_\_\_\_ New Haven, Ind      Timothy Paul Tolar \_\_\_\_\_ Natchitoches, La.  
Samuel Phillip Gibbs \_\_\_\_\_ Nashville, Tenn.      Rebecca Louise Wheat \_\_\_\_\_ Nokesville, Va.  
Donna Lee Russell \_\_\_\_\_ Brevard, N. C.      Mark McCulloch White \_\_\_\_\_ Pensacola, Fla.

#### Microbiology

Hungyueh Yeh \_\_\_\_\_ Taipei, Taiwan

#### Physics

Joseph Heilman Jones \_\_\_\_\_ Newport, Tenn.      John Michael Trostel \_\_\_\_\_ Princeton, Mass.  
John Tony Kinard \_\_\_\_\_ Newberry



## CANDIDATES FOR DOCTORS' DEGREES

ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

### COLLEGE OF AGRICULTURAL SCIENCES

#### DOCTOR OF PHILOSOPHY

##### Animal Physiology

Rex Allen Hess ..... Clemson  
B.S., M.S., University of Missouri  
Dissertation: Biochemical and Endocrine Parameters of Reproduction in the Male Turkey

##### Entomology

John S. Weaver III ..... Christiana, Pa.  
B.S., M.S., University of Pittsburgh  
Dissertation: The Evolution and Classification of Trichoptera, with a Revision of the Lepidostomatidae and a North American Synopsis of this Family

##### Plant Physiology

Margaret Ellen Sloan ..... Garfield, N. J.  
B.A., Douglass College; M.S., Clemson University  
Dissertation: Alachlor and Metolachlor Effects on Growth, Amino Acid Transport, and Protein Synthesis in Cucumber Root Tissue

### COLLEGE OF COMMERCE AND INDUSTRY

#### DOCTOR OF PHILOSOPHY

##### Engineering Management

Gary Pierce Fellers ..... Anderson  
B.S., Clemson University; M.S., Institute of Textile Technology; M.B.A., Florida Institute of Technology  
Dissertation: Bayesian Estimation of Equipment Availability Using Discrete Priors

##### Textile and Polymer Science

Thomas Roch Nasser III ..... Fall River, Mass.  
B.S., Bradford Durfee College of Technology; M.S., Clemson University  
Dissertation: The Mutagenicity of C.I. Vat Green 9

### COLLEGE OF ENGINEERING

#### DOCTOR OF PHILOSOPHY

##### Engineering

Shuh Nan Pan ..... Wanglin, Chekian, China  
(Degree awarded posthumously)  
B.S., Chung Cheng Institute of Technology; M.S., National Tsing Hua University; M.S., Oregon State University  
Dissertation: Dependent Failure Availability Models for Tactical Communications Networks (Field of Specialization: Electrical Engineering)

Ernesto Suarez-Gonzalez ..... San Juan, Puerto Rico  
B.S., University of Puerto Rico; M.S., University of Florida  
Dissertation: Instantaneous Azimuthal and Average Heat Transfer Coefficients for a Horizontal Cylinder Submerged in a Gas Fluidized Bed (Field of Specialization: Mechanical Engineering)

Phillip Edward Whitley ..... Albemarle, N. C.  
B.S., M.S., North Carolina State University  
Dissertation: Extracellular Biopotential Mapping of the Intact Canine Aorta and Vena Cavae: An Implementation for Cardiac Assistance (Field of Specialization: Bioengineering)

Allan Rhett Whitlock ..... Lake City  
B.S., M.S., Clemson University  
Dissertation: Strength and Behavior of Anchor Bolts in Masonry (Field of Specialization: Civil Engineering)

## COLLEGE OF SCIENCES

### DOCTOR OF PHILOSOPHY

#### Biochemistry

William Talmadge Fowler, Jr. \_\_\_\_\_ Newton, N. C.  
B.S., Gardner Webb College; M.S., University of South Carolina  
Dissertation: Synthesis of Photoaffinity Diphosphatidylglycerols and their Interaction with Bovine Heart Cytochrome Oxidase

#### Chemistry

Kathy Jo Pfenning Moore \_\_\_\_\_ Galeton, Col.  
B.A., Bethany College  
Dissertation: Novel Intramolecular Energy Transfer Processes in Mixed-Metal Bimetallic Complexes

James Lee Resce \_\_\_\_\_ Highlands, N. C.  
B.A., University of North Carolina at Asheville  
Dissertation: The Chemistry of Iron (III) Nitrate Complexes

#### Microbiology

Steven Earl Freeman \_\_\_\_\_ Pickens  
B.S., Clemson University  
Dissertation: Replication and Repair of DNA in Human Peripheral Lymphocytes Damaged by Ultraviolet Radiation: Alterations Induced by Carcinogens, Drugs, and Interferon

Robert Keith Hickman \_\_\_\_\_ Kansas City, Kansas  
B.A., University of Kansas; M.S., University of Missouri  
Dissertation: Isolation, Purification and Biological Properties of Staphylococcin BAC R1

#### Physics

Tracy Allan Davis \_\_\_\_\_ Woodruff  
B.S., Wofford College  
Dissertation: The Effect of Uniaxial Stress on Fermi Surface Topology in Aluminum and Charge Density Wave Dynamics in TaS<sub>2</sub>

Kyle Forinash III \_\_\_\_\_ Columbus, Ga.  
B.S., University of Georgia  
Dissertation: A Study of Nonperturbative Effects in Electron Positron Annihilation into Mesons

Robert Sheldon Lear \_\_\_\_\_ Clemson  
B.S., University of West Florida; M.S., Clemson University  
Dissertation: Stress Dependence of the Charge Density Wave Transitions in NbSe<sub>3</sub> and TaS<sub>2</sub>

John Patrick Pendrys \_\_\_\_\_ Oswego, N. Y.  
B.S., University of Rochester; M.S., Queens University  
Dissertation: A Study of Lesions in UV-Irradiated DNA from *Escherichia coli* and a Model of the Kinetics of Photorepair in Chick Embryo Fibroblasts

#### Zoology

Stephen Philip Schreiner \_\_\_\_\_ Durham, N. H.  
B.A., Windham College; M.S., University of Georgia  
Dissertation: Temporal Variations in Particulate Matter Distribution in a Small Pond: Relationship to Mixing Events and Heating Patterns

## CLEMSON ALMA MATER

A. C. Corcoran, '19

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

### Chorus

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

We will dream of great conquests,  
For our past is grand,  
And her sons have fought and conquered  
Every foreign land.

Where the mountains smile in grandeur  
O'er the hill and dale,  
Here the Tigers lair is nestling  
Swept by storm and gale.

We are brothers strong in manhood,  
For we work and strive;  
And our Alma Mater reigneth  
Ever in our lives.