12-18-1980

Clemson Commencement Program, December 1980

Clemson University

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CLEMSON UNIVERSITY

Graduation Exercises

December 18, 1980

Clemson, South Carolina
GRADUATION
Thursday, December 18, 1980
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 Sidney J. Hall
Baptist University Minister
at Clemson

Address to Graduating Class
William Hayne Hipp
Vice Chairman of the Board
and
Chief Executive Officer
The Liberty Corporation
Greenville, South Carolina

Conferring of Honorary Degree
Conferring of Degrees in Course and Delivery of Diplomas
President Bill L. Atchley

Welcome to New Alumni
George M. Moore
Director, Alumni Relations

Benediction
Frank W. Breazeale, Organist
FRANCIS MOFFETT HIPP, chairman of the board of directors of The Liberty Corporation, has played a pivotal role in the business and cultural growth of South Carolina for more than four decades. In business, he has been instrumental in making The Liberty Corporation one of the largest financial institutions in the Southeast and building the company's largest subsidiary, Liberty Life Insurance Company, to a position among the five percent largest life insurance companies in the Nation. When Mr. Hipp began working at The Liberty Life Insurance Company as a teenager, operating a multigraph machine in the afternoons and summers, he was the firm's 13th employee. Today The Liberty Corporation has assets of more than $1 billion and employs more than 1,700 throughout the South. After attending The Citadel, Mr. Hipp transferred to Furman University where he received a degree in economics in 1933. He then began full-time work at The Liberty Life Insurance Company. Ten years later he assumed the title of president following the death of his father, W. Frank Hipp, founder of the company. He continued as chief executive until 1977, when he retired from day-to-day responsibilities and assumed his present role as chairman. He also is a member of the board of The South Carolina National Corporation, Carolina Energies, Inc., United Fidelity Life Insurance Company, and Cosmos Broadcasting Corporation. All these business activities have not precluded a deep commitment to the civic, cultural, and educational activities in his community and state. He served as chairman of the South Carolina State Development Board for four years and was a member of the board for another three. He is presently a member of the National Board of Governors of the Institute of Living and the Energy Research Institute, and is chairman of the Palmetto Foundation. He is a member of the Palmetto Business Forum and a trustee of the YMCA Endowment Corporation in Greenville. Last month the South Carolina Chamber of Commerce honored him as Businessman of the Year. He has served in a variety of positions in the Greenville Hospital System, the Greenville County Foundation, and the Greenville and South Carolina Chambers of Commerce. His involvement with higher education has led to his guidance and support of many colleges. He is chairman and trustee of the South Carolina Foundation of Independent Colleges; a trustee of Benedict College, Queens College, and the University of South Carolina Business School Partnership Foundation. He is also president of The Citadel Development Foundation, director of the Advisory Council of Furman University, and a member of the National Advisory Council of the University of South Carolina. In recognition of his service to the business, civic, and educational worlds, he has received honorary Doctor of Law degrees from Furman University, the University of South Carolina, and The Citadel.
## CANDIDATES FOR ASSOCIATE AND BACHELORS' DEGREES

### COLLEGE OF AGRICULTURAL SCIENCES

**LUTHER PERDEE ANDERSON, Dean**

#### BACHELOR OF SCIENCE

**Agricultural Economics and Rural Sociology**

- Robert Michael Cox  
  Greenville
- John Walter Fletcher  
  Laurinburg, N. C.
- David Eugene Free  
  Williston

**Agricultural Mechanization and Business**

- Stephen Montgomery Baxley  
  Aynor
- Jimmie Eric Benton  
  Jefferson
- William Preston Chaplin  
  Neeses
- Johnny Lee Cope, Jr.  
  Hampton
- Michael Wayne Freeman  
  Chesterfield
- Benjamin Bryan Hare, Jr.  
  Orangeburg

**Animal Industries**

- Stephen Montgomery Baxley  
  Aynor
- Robert Kevin McConnell  
  Dayton, Ohio
- Raymond Eugene Bishop  
  Columbia
- Charles Kevin Scott  
  Cary, N. C.
- Theodore William Mappus  
  Aiken

**Economic Biology**

- Marion Heyward Davis, Jr.  
  Norway
- William Perry DuBose IV  
  Clemson
- Jeffrey Stuart Hall  
  Columbia
- Chandler Williams Harte  
  Laurinburg, N. C.
- Stanley Louis Hix  
  Pendleton

**Food Science**

- Beverley Kim Baskie  
  Darien, Conn.

**Plant Sciences**

- *Richard Charles Apter  
  Mt. Pleasant
- Curtis Field Burnam  
  Louisville, Ky.
- Parthenia Margaret deLoach  
  Easley
- John Stephen Dudash  
  Greenville
- Joseph Davis Handley  
  Ft. Lauderdale, Fla.
- Joseph Thomas Hayden  
  Clemson
- Clifton Ray Hucks  
  Myrtle Beach
- Laurie Watt Johnson  
  Mauldin
- Patrick Calhoun Mays  
  Greenwood

**Pre-Professional Studies**

- Ernest Julian Fox, Jr.  
  Georgetown

### COLLEGE OF ARCHITECTURE

**HARLAN EWART McCLURE, Dean**

#### BACHELOR OF ARTS

**Design**

- Kevin James Martin  
  Pittsburgh, Pa.

#### BACHELOR OF SCIENCE

**Building Science and Management**

- David Randle Moyer  
  Greenville
Design
Toy Ann Skipper Sebring, Fla.

BACHELOR OF ARCHITECTURE
William Edward Burroughs Elmira, N.Y. Timothy Scott Zebrowski Clemson

COLLEGE OF EDUCATION
HAROLD FOCHONE LANDRITH, Dean

BACHELOR OF ARTS

Early Childhood Education
Elisa Sierra Buresh Greenville
*Mary Elizabeth Huckaby Wellford
Deborah Lou Mills Lugoff
Peggy Tallu Sons Lexington

Elementary Education
**Karen Ruth Bond Seneca
*Nancy Pettigrew Brown Starr
Christine Claire Goode Atlanta, Ga.
**Julia Louise Goodman Rock Hill
Elizabeth Ann Gore Sumter
Virginia Louise Gray North Augusta
Elizabeth Kay Hamrick Gaffney
Michele Rose Kemmerlin Orangeburg
*Frankie Burton Latham Iva
Eleanor Faye Lipsey Union
*Lynn Ann McCracken Pendleton
Michele Ann McPeak Clemson

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Margaret McIntosh DuPre Louisville, Ky.
Julie Elizabeth Fox Chester
William Rallie Liston Laurens
***Susan Leake Maxwell Greenville

BACHELOR OF SCIENCE

Agricultural Education
John Lindsay Crook Cameron
Larry Clyde Durham Fair Play
David Earl Jensen Clemson
*Robert Andrew McKie Pickens

Industrial Education
Miles Trent Busby Salisbury, N.C.
Susan Melinda Criminger Kerawah
Nelson Eddie Graham Pomaria
Steven Randy Hayes Clemson
Anthony King Cornelia, Ga.

Science Teaching
Patricia Ann Allen Clyde, N.C.
Cathy Anne Bolin Atlanta, Ga.
Eva Brooksetta Davidson Greenwood
Anna Estes Haskin Ladson
**Nancy Kimberly Hester Easley
Phillip Hughes Hester Spartanburg

Robert Thomas Makla Camden
*Helen Teresa Rogers Sumter
George Russell Stevens Spartanburg
Mary Corinne Tanner Pinopolis
**Diane Bolt Teal Walhalla
Mary Della Vaughan Spartanburg
COLLEGE OF ENGINEERING
EVERETT LANE THOMAS, JR., Acting Dean

BACHELOR OF SCIENCE

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

Robert Morrison McAllister  Hampton  Donald Wayne Smith, Jr.  Saluda
Frederick Keating Norris III  Eutawville

Ceramic Engineering
Lea Onyechi Anidobi  Ukana, Enugu, Nigeria  Paul Robert Harashman  Clemson
David George Burbach  Lancaster  Michael Joseph Haun  Clemson
Michael Thomas Callaghan  Clemson  Steven Scott House  Sumter
Truett Michie Claussen  Augusta, Ga.  Glenn Hazel McIntyre III  Pennington, N. J.

Chemical Engineering
Ava Charlene Atkin  Inman  Ray Ernest Patrick  Greenville
Richard Alan Coffey  Columbia  Richard Ashley Ruczko  North Augusta
Daniel Mark Cromer  Anderson  Donald Bernard Wilhelmsen  Simpsonville

Civil Engineering
Leeas Katherine Anderson  Fairfax, Va.  Gary Michael Hubbard  Seneca
Joseph John Barna  Bound Brook, N. J.  *Harry Lloyd Lancaster III  Columbia
John Ralph Baxter  Seneca  Ray Douglas Lovingood  Mauldin
John Thomas Bennett  Clemson  William Clyde Martin  Enoree
Karen Holt Brown  Piedmont  Mehrdad Mesbahi  Shariz, Fars, Iran
Mary Merrick Connor  Bluffton  Richard Lee Milford  Memphis, Tenn.
Richard Henry Crowson  Rock Hill  Joe Meek Ormand, Jr.  Rocky Mount, N. C.
Curtis Milton Dillard  Easley  Forest DeWitt Suggs III  Anderson
Anne Marie Fister  Tucker, Ga.  Walter Ellis Surran, Jr.  Corbin City, N. J.
Richard Lee Floyd  Pickens  David Christopher Woessner  Baltimore, Md.
Donald Dwight Gary  Severna Park, Md.  Anthony Miller Wolfe  Orangeburg
Bruce Joseph Gernon  Ras Tanura, Saudi, Arabia

Electrical Engineering
Mohammad Ashtijou  Tehran, Iran  Richard Miles Loper  Greenville
Alan Kim Boiling  Lockhart  *David Wayne Mayberry  Greer
**Diane Elizabeth Boyles  Anderson  Edward Clayton Moore  Cowpens
John Robert Calhoun  Greenwood  James Ellerbe Neal, Jr.  Clemson
David Russell Cason  Greenville  Steven Perry Parfitt  Cayce
William Bruce Cottle  Columbia  Albert Erwin Pearce, Jr.  Mt. Pleasant
Alfred Biggart Cross  Lancaster  Carl Eugene Quattlebaum  Columbia
John Thomas Davis III  Florence  Michael Teel  Anderson
James Harold Dorsey, Jr.  Anderson  Ronald Glenn Walters  Aiken
Lee Vaughn Dureya, Jr.  Bennettsville  Archie Kenneth Webster, Jr.  Charleston
Julian Frank Fields, Jr.  Honea Path  Keith Preston Welchel  Greenville
Frederick Gorham Graham III  Greenville  Paul Taylor Wells  Camden
*Charlie Dean Ioler  Blackburn  David Stanley Williamson  Clemson
Mark Edward Kukelkorn  Orangeburg  James Edward Wolfe  Taylors

Engineering Analysis
Benjamin Ruah Smith III  York

Engineering Technology
Henry Wayne Bagwell  Hickory Tavern  Kirk Faulkner Maassen  Wilmington, Del.
Charles Randall Bollinger  Travelers Rest  Marlon Owens McNinch, Jr.  Columbia
Gregory Keith Branyon  Anderson  Richard Voight Nuttall III  Chapin
Jonathan Mark Coggins  Columbia  Steven Whitney Pratt  Wilmington, N. C.
Harold DeLoach  Greenwood  William Thomas Renfrow  Lake View
Glenn Alton Dill  Taylors  Eugene Bryan Turner  Columbia
Paul Netherland Gray  Townville  Michael Charles Tuttle  Central
Robert Blake Hall  Beaufort  David Patrick Wells  Darlington
Anthony Drew Hefner  Edgemoor  Mathew Roy Wheeler  Myrtle Beach
Mechanical Engineering

Mark Clinton Baker ........................................... Lake View
Timothy Brown ........................................... Wedgefield
Kenneth Jerome Browne .................................. Charleston
**Howard Dean Conner .......................... Greer
Michael Walker Crews ................................... Sumter
Clark Evan Curry ........................................... Bedford, Texas
Michael Derrick Davenport .............. Clemson
Charles Manly Drummond III ........ Spartanburg
John Young DuPre ....................................... Spartanburg
Steve Leon Goff ........................................... Charleston
John Grimbald Greely .................................. Charleston
Charles Baxter Hood ................................... Rock Hill
Marion Kent Jenkins .................................. Laurens

Steven Harold Lowder .................................. Charleston
James Anthony Macomson ......................... Carnesville, Ga.
William Thomas Morgan .......................... Bonneau
Francis Joseph O'Neill ......................... Charleston
*Francis Douglas Pinckney IV ............. Mt. Pleasant
Elizabeth Ann Soniat du Fosset ........ Greenville
Scott Henry Stofan ................................ Greenville
Craig James Taylor .................................... Columbia
James Bradley Weir .................................... Winnsboro
Mark Alan West ......................................... Spartanburg
Lonnie Roy Whitley .................................. Rockaway, N. J.
Andrew Michael Wilson ......................... North Augusta
Scott Wesley Wright .......................... New Bern, N. C.

COLLEGE OF FOREST AND RECREATION RESOURCES

BENTON HOLCOMB BOX, Dean

BACHELOR OF SCIENCE

Forest Management

Philip Leslie Buck ........................................... Bethlehem, Pa.
Henry Smith Higgins III .................. Piedmont
Joseph Stephen Hudson ........ North Augusta
Norman Mathis Pate .................................... North Augusta

Gerald Carter Wallace III .................... Myrtle Beach
William Crawford White, Jr. ............. Rock Hill
Thomas Barak Wright, Jr. ................. Clemson

Recreation and Park Administration

Kenneth Perrin Babb ........................................... Bishopville
Richard Jeffrey Bader .................. St. Augustine, Fla.
Marcia Beth Ball ........................................... Greenville
Bix Lee Banks ........................................... Greenville
Stephanie Elaine Brake ..................... Aiken
Reid Agnor Burrias .................................. Anderson
Roger Keith Chapman .............. Central
Naomi Kay Cochran ........................................... Columbia
David Arthur Coon ........................................... Mt. Pleasant
Stephen Scott Crawford .......... Clemson
Janet Leslie Dukes .............................. Columbia
Julian Gordon Ellison ......... Rock Hill
Carol Annette Holt .............................. Clemson
William George Huggins ........ Simpsonville
Sandra Beth Kaiser .......... Rockville, Md.
Martin Alan Kuehmer ........ Mountain Rest
Mark Robert Mannella ........ Alliance Park, Pa.

Kenneth Albert Martin .................................. Clemson
Michael Hayes McCartha ...................... Gilbert
Webb Wendell McClure, Jr. ............... Anderson
Lisa A. Parrish ........................................... Fitchburg, Mass.
Fulton Coleman Poston, Jr. ............... Charleston
Margaret Eloise Rankin ....................... Clemson
Julius Mood Reynolds III ........... Orangeburg
Denise Ethel Rice .................................... Spartanburg
Deborah Anne Rose ...................................... Cayce
John Emory Russell ......................... Greenville
Rhett Hopper Smith ....................... Anderson
William Raines Tillman ....................... Cheraw
Carrie Elizabeth Traeger ................. Savannah, Ga.
*Anne Coad Wald .................. Seneca
Gary Stephen Withers ...................... Charleston
Robert Franklin Youngblood .......... Rock Hill

Wood Utilization

Ronald Parker Dempsey ............................... Orangeburg

COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

THOMAS DANIEL EFLAND, Acting Dean

BACHELOR OF ARTS

Economics

Kathryn Ann Albenesius ....................... Aiken
Samuel Scott Greene ........................ Greer

James Richard Huffman .................. Anderson
Mark Sherrod Swilley ................. Greenville

BACHELOR OF SCIENCE

Accounting

Kingsley Adjai Botchway ........ Koforidua, Ghana
Albert Daniel Chamblee .................. Anderson
**Elizabeth Ann Cooper ........ Winter Park, Fla.
Michael Alan Gandolfo ........ Lakeland, Fla.
Bret Joseph Harris ...................... Charleston

Terry Ray Kelly ................................ Greenville
**Lynne McRae Morgan ................. Eustis, Fla.
***Bettie Lee Oglesby ................. Anderson
Susan Jo Smith .......................... Anderson
David Alan Torrance ................ Uncasville, Conn.
<table>
<thead>
<tr>
<th>Administrative Management</th>
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<tbody>
<tr>
<td>Robert Steven Allen                      Sumter                                        Robin Tracy Lane                      Johnsonville</td>
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<tr>
<td>William Sander Avera                    Myrtle Beach                                  Sam Elias Latto                       Charleston</td>
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<tr>
<td><strong>Douglas Arnold Barfield, Jr.</strong>          Kershaw                                     Dana Hastings Leavitt                 Spencer, Va.</td>
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<tr>
<td>Dennis Morgan Bates                      St. Matthews                                  Timothy Terence Lindler               Greenville</td>
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<tr>
<td>Donald Robert Berlin                     Richmond, Va.                                Ellison Caldwell Livingston III       Charleston</td>
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<tr>
<td>Theresa Elizabeth Borden                 Atlanta, Ga.                                  Daniel Clark Leowenthal                Charleston</td>
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<tr>
<td>Pamela Dianne Bradberry                  Poincetown                                   Michael May                          Lauderdale Lakes, Fl.</td>
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<tr>
<td>*Tammy Brockman                          Charleston                                     George Francis McCraw, Jr.             Gaffney</td>
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<tr>
<td>Samuel Ashley Broome                     Columbia                                      Meyer Watson Moore                    Hartsville</td>
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<tr>
<td>Richard Blake Cantor                     St. Louis, Mo.                                Kyle Stroup Parris, Jr.               Gaffney</td>
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<tr>
<td>Charles Michael Carlisle                 Aiken                                        Larry Donald Reamer, Jr.              Clemson</td>
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<td>Gregory Lewis Coleman                    Travelers Rest                               Neil Robert Simons                    Silver Spring, Md.</td>
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<tr>
<td>Robert Calvin Cooper                     Columbia                                     Emily Jane Simpson                    Mauldin</td>
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<td>Jeffrey Arthur Dorety                    Hopewell, N. J.                               Vanessa Lynn Sturr                    Greer</td>
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<td>Tommy Lee Farthing                       Travelers Rest                               Richard Allen Vaughn                  Daytona Beach, Fl.</td>
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<tr>
<td>John Batlour Foster                      Greenville                                    Robin Diane Warren                    Easley</td>
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<tr>
<td>Gregory Gaston Gibson                    Greenville                                    Richard Jefferson Willis               Anderson</td>
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<tr>
<td><strong>Jennifer Ann Gorton</strong>                  Lexington, Mass.                             Bobby Alan Wilson                     Pendleton</td>
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<tr>
<td>Phillip Alan Griffith                    Clemson                                        Donald Ray Wilson                     Greenville</td>
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<tr>
<td>Sharon Anne Hughes                       Easley                                        Teresa Carol Wine                     Greenville</td>
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<tr>
<td>***James Bryan Kelley                    Taylors                                       James Garland Yarborough              Charleston</td>
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<tr>
<td>Richard Joseph Kern                      Greenville                                    Nicholas Robert Yard                   Seneca</td>
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<tr>
<td><em>William Durward Kilgore, Jr.</em>*          Walhalla                                    Stephen James Youngman                New Brunswick, N. J.</td>
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<td>Bryan Allen King                         Piedmont</td>
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<tr>
<th>Economics</th>
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<tbody>
<tr>
<td>Carolyn Annette Avant                      Hanahan                                     **Deborah Louise Hutto                Orangeburg</td>
</tr>
<tr>
<td>Jennifer Anne Buchanan                    Greenville                                   Robert Joseph Lindsay                  Benneteville</td>
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<td>Donald Joy Coggins                        Greer                                        *Thomas Keith Mangrum                Charleston</td>
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<td>Robert Michael Cook                        Columbia</td>
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<tr>
<td>Mark Harper Allen                         Greenville                                    Ralph Edwards Loper II                Greenville</td>
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<tr>
<td>Donna Rae Davis                           Columbia                                     Bernard Eugene Rager                  Derry, Pa.</td>
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<tr>
<td>Donna Lynne Gamble                        Hanahan                                     Teresa Marie Schwartz                 Spartanburg</td>
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<tr>
<td>Louis Thomas Gittelman                    Columbia                                     Cindy Lee Snipes                      Hartsville</td>
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<tr>
<td>Charles Rodolph Goulet                    Greenville                                   ***Earle Richard Taylor III           Greer</td>
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<tr>
<td>Eldridge Franklin Impson, Jr.             Charleston                                   Donna Gaye Williams                   Summerville</td>
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<td>Karen Louise Lewis</td>
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<th>Industrial Management</th>
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<tr>
<td>June Mary Adams                          Wilmington, Del.                               Karen Leah Ledford                    Ft. Mill</td>
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<tr>
<td>*Daniel Francis Biediger                 Greenville                                   **John Curtis Marshall III            Rock Hill</td>
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<tr>
<td>Wrenzie Lee Calhoun                      Charleston                                   Mark Reed Molyneaux                    Columbia</td>
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<tr>
<td>James Carlisle Cauthen III               Orangeburg                                   Sara Louise Robbins                   Belton</td>
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<tr>
<td>**Kitty Paige Duncan                      Taylors                                        Rex Enright Varn                      Martinsville, Va.</td>
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<td>Gregory Grant Lawless                     Clarendon</td>
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<th>Textile Chemistry</th>
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<tbody>
<tr>
<td>Terry Evans Barton                        Landrum</td>
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<tr>
<th>BACHELOR OF TEXTILE TECHNOLOGY</th>
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<tbody>
<tr>
<td>Van Thomas Pittman                        Greenville                                   Thomas Sowell Watterson                Rock Hill</td>
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<tr>
<td>Reece Albright Robertson                  Greenville                                   **Robert Wesley White                  Walterboro</td>
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<tr>
<th>COLLEGE OF LIBERAL ARTS</th>
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<tr>
<td>JOHN HARRISON BUTLER, Acting Dean</td>
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<tr>
<th>BACHELOR OF ARTS</th>
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<tbody>
<tr>
<td>English</td>
</tr>
<tr>
<td>Phyllis Elaine Bearden                     Seneca                                       *Debra Renee Sullivan                Seneca</td>
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<tr>
<td>Robert Stephen Calhoun                    Atlanta, Ga.                                  Kirk Chisholm Taylor                  Cameron</td>
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<tr>
<td>Scott Wayde Doss                          Simpsonville                                 Janet Victoria Woy                    Shelby, N. C.</td>
</tr>
<tr>
<td>Douglas Eldon Relf                         Indian Harbor Beach, Fla.</td>
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</tbody>
</table>
### History

- Nina K. Henderson | Anderson
- Deborah Man-Yee Lieu | Kowloon, Hong Kong
- James Randall Branch | Clemson
- *Mary Wallis Geiger | Columbia
- Deborah Jean Clemmons | Myrtle Beach
- David Calhoun Cole | Anderson
- Mohamed Abdulla Difar | Benghazi, Libya
- Joseph Holland Gilchrist | Edgefield
- *Terri Renee Gibson | Taylors
- Virginia Anne Kingman | Clemson
- Barbara K. Lowry | Atlanta, Ga.
- **Janet Marie Lupo | Columbia
- James Michael Moore | Eastanollee, Ga.
- Bruce Mantrell Fults | Niceville, Fla.
- Ralph Henry Golson | Columbia
- Nancy Anne Haynie | Belton
- *Laura Ann Link | Clemson
- **Janet Marie Lupo | Columbia
- John William Parillo | Clemson
- Jamie Gay Putman | Greenville
- *Milton Stuard Roach | Anderson
- JoAnne McDevett Smith | Anderson
- Carl Fred Mayer | Middlesex, N. J.
- Elizabeth Louise Taylor | Johnsonville
- Martha Cheryl Wine | Greenville
- Kathy Ann Dixon | Richburg

### Modern Languages

- *Danielle Lafitte | Paris, France
- Leslie Anne Neighbour | Greenville
- Archibald Abraham Muckenfuss III | Summerville
- Marie Montezza Tate | Anderson

### Political Science

- Joan Elizabeth Holliday | Belton
- Lucinda Madge Hoyt | Miami, Fla.
- Maria Montezza Tate | Anderson
- *Milton Stuard Roach | Anderson
- JoAnne McDevett Smith | Anderson
- Elizabeth Louise Taylor | Johnsonville
- Martha Cheryl Wine | Greenville

### Psychology

- John William Parillo | Clemson
- Jamie Gay Putman | Greenville
- *Milton Stuard Roach | Anderson
- JoAnne McDevett Smith | Anderson
- Carl Fred Mayer | Middlesex, N. J.
- Elizabeth Louise Taylor | Johnsonville

### Sociology

- Bruce Mantrell Fults | Niceville, Fla.
- Ralph Henry Golson | Columbia
- Nancy Anne Haynie | Belton
- *Laura Ann Link | Clemson
- Martha Cheryl Wine | Greenville
- Kathy Ann Dixon | Richburg

### COLLEGE OF NURSING

**GLORIA ANN TANNER, Acting Dean**

**ASSOCIATE IN ARTS**

- Nursing
  - Barbara Barnes McAllister | Westminster

### COLLEGE OF SCIENCES

**HENRY ELLIOTT VOGEL, Dean**

**BACHELOR OF ARTS**

- Geology
  - Kenneth Forrest Smith | Smyrna, Ga.
- Physics
  - *Terry Michael Tritt | Anderson

### BACHELOR OF SCIENCE

- Biochemistry
  - ***Richard Lynmore Brandon | Laurens
  - Douglas Height Freeland | Batesburg
  - *George Herman Hamiter III | Orangeburg
Botany
*Dierdre Gordon Cooper __________ Greenville
**Frances Kathleen King __________ Andrews, N. C.

Chemistry
George Samuel Chrias, Jr. __________ Jacksonville
Michael John Dempsey __________ Spartanburg

Computer Science
**John Smith Graham, Jr. __________ Clemson
Michael Stephen Talbert __________ Liberty

Geology
Thomas James Milsom Watkins
______________ Cocoa Beach, Fla.

Mathematical Sciences
William Michael Bond __________ Greenville
Jean Marie Broome __________ Abbeville
Elmira Dianati __________ Tehran, Iran
Robert Carl Drechsler __________ Wayne, N. J.
**Sheryl Denise Hergott __________ Greenville
Sandra Price McCormick __________ Ridgewood, N. J.

Microbiology
George Joseph Fennington, Jr. __________ Anderson
Glenn Ray Flack, Jr. __________ Greenwood
Kathy Louise Forrest __________ Saluda
*Beverly Kay Green __________ Naples, Fla.
Russell Lamar Smith __________ Westminster
Pauline Dib Sternick __________ Greenville

Pre-Professional Studies
William Walker Spearman __________ Easley
*Julianne Stuck __________ Walterboro

Zoology
James Edward Baxley, Jr. __________ Hemmingway
*William Clifford Bock __________ Clemson
Deborah Lee Culbertson __________ Greenwood
Malcolm Benjamin Fortson __________ Rock Hill
*Andrew Nunn McCown __________ Anderson
Pickens Kinard Moyer, Jr. __________ Hartsville
*Jeffrey Lamont Mundell __________ Pomaria
Stewart Duane Winkler __________ Columbia

†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.
*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
CANDIDATES FOR EDUCATION SPECIALIST AND MASTERS’ DEGREES

ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

COLLEGE OF AGRICULTURAL SCIENCES

MASTER OF AGRICULTURE

Joan Rapp Dantzler  .......................................... Santee
Dorcas Lynn Oates  .......................................... Barlow, Fla.
Laura Dawn Puckett  .......................................... Lake City, Ga.

Masters of Nutritional Sciences

Joan Rapp Dantzler  .......................................... Santee
Laura Dawn Puckett  .......................................... Lake City, Ga.

Masters of Science

Charles Feagle Cousins  ..................................... Columbia
Eva Luisa Diaz-Suarez  .................................... Rio Piedras, Puerto Rico
Janine Frazza  .............................................. Yorktown Heights, N. Y.
Richard Charles Forney  .................................... Coraopolis, Pa.
Thomas Wigington Gettys  .................................. Due West

Agricultural Economics

Eileen Mary McEwan  .......................................... Charleston

Agronomy

Hilliard Gregory Harvey  ...................................... Aiken

Entomology

Eileen Mary McEwan  .......................................... Charleston

Nutrition

Mary Lisa Watson  ............................................. Elgin

Plant Pathology

Stephan William Fraedrich  ................................ Oceanside, N. Y.

Wildlife Biology

David Edward Buie  .......................................... Huntington, W. Va.
John Emmett Cely  ............................................ Columbia

COLLEGE OF ARCHITECTURE

MASTER OF ARCHITECTURE

Jerry Michael Ballinger  .................................... Sumter
John Gilbert Dumas  .......................................... Pendleton
Byron Malet Edwards III  .................................... Columbia
Damon Lee Fowler  ............................................ Gaffney
Derek Lee Hodge  ............................................. Matthews, N. C.

Frank Alexander Howe  ...................................... Charleston
Jeffry Castleman Hume  ...................................... Richmond, Va.
Robert McNair Louden  ....................................... Pennington, N. J.
George Thomas MacKnight  ................................... Barbourville, W. Va.
Michael Charles O’Brien  .................................... Charleston

MASTER OF CITY AND REGIONAL PLANNING

Charles Michael Craven  .................................... Clemson

MASTER OF FINE ARTS

Eliska Morsel Greenspoon  ................................ Stratford, Conn.

COLLEGE OF EDUCATION

EDUCATION SPECIALIST

Walter Lee Johnson  ........................................... Walhalla

Educational Administration

William Lloyd Walker  ....................................... Greenville
# MASTER OF AGRICULTURAL EDUCATION

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

**Douglas Eugene Baldwin**  Cordova  **Peter Brainerd Dreisbach**  Yadakounia, Nigeria

## MASTER OF EDUCATION

### Administration and Supervision

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
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<tbody>
<tr>
<td>George Anthony Ellison</td>
<td>Pickens</td>
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<tr>
<td>Cynthia Parr Minton</td>
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<td>Jacob Lamont Oxendine</td>
<td>Dalzell</td>
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<tr>
<td>Catherine Anne Morgan</td>
<td>Townsend</td>
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<td>Ninety Six</td>
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### Elementary Education

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Debra Partin Alexander</td>
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<tr>
<td>Janice McAllister Ashley</td>
<td>Honea Path</td>
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<tr>
<td>Kimberly Ann Bowman</td>
<td>Gaffney</td>
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<tr>
<td>Mary Ann Calvert</td>
<td>Seneca</td>
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<tr>
<td>Caroline Lewis Carpenter</td>
<td>Savannah, Ga.</td>
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<tr>
<td>Jan Claire Carville</td>
<td>Abbeville</td>
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<tr>
<td>Julie Anne Church</td>
<td>Toccoa, Ga.</td>
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<td>Sarah Wright Clary</td>
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<tr>
<td>Susan Joyce Curry</td>
<td>Greenville</td>
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<tr>
<td>Debra Robinson Gillespie</td>
<td>Jacksonville, Fla.</td>
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<tr>
<td>Ann Shirley Glann</td>
<td>Anderson</td>
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<tr>
<td>Jeanne Murray Griffin</td>
<td>Six Mile</td>
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<tr>
<td>Betty Galloway Hix</td>
<td>Anderson</td>
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<tr>
<td>Gayle Lindler Hocker</td>
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<td>Mary Ellen Calhoun Secret</td>
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<tr>
<td>Sarah Bell Sheard</td>
<td>Santee</td>
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<tr>
<td>Connie Copeland Smith</td>
<td>Taylors</td>
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### Personnel Services

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Deborah Lynn Ayers</td>
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<tr>
<td>Jane Carroll Byers</td>
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<tr>
<td>Patricia Ann Marsh Drummond</td>
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<td>Ruby Ellis Dumit</td>
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<td>Gayle M. George</td>
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<tr>
<td>Robert Gregory</td>
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<td>Marcia Elaine Hamby</td>
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<td>Jim Neal Harrison</td>
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<td>Jackie Adkins Hicks</td>
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<td>Donna Kaye Howell</td>
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<td>Susan Arledge Howell</td>
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<td>Jack Middleton Huggins, Jr.</td>
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<td>Dianne Hughes Lowe</td>
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<td>Lewis Wightman Matthews</td>
<td>Laurens</td>
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<td>Temperance Ann McCracken</td>
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<td>Judith O'Neal Nichols</td>
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<td>Beverly Ann Nnaji</td>
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<td>Dorothy Mitchell Pittman</td>
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<td>Cantey McGowan Richardson</td>
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<tr>
<td>Susan Schumacher Verno</td>
<td>St. Petersburg, Fla.</td>
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<tr>
<td>Susan Brod Wainscott</td>
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### Reading

<table>
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<tbody>
<tr>
<td>Sally Rogers Boyle</td>
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<tr>
<td>Nancy Farmer Dell</td>
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<tr>
<td>Joy Barnett Ellenburg</td>
<td>Easley</td>
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<td>Charlene Walker Gary</td>
<td>Mauldin</td>
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<td>Ellen Griffith</td>
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<td>Victoria Guarriero Lovedahl</td>
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<td>Loes Boone McAlister</td>
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<td>Margaret Bright McCarley</td>
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<tr>
<td>Barbara Lyaghit McQuarrie</td>
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<td>Judith Ann Poole</td>
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<td>Judith Miller Sherrill</td>
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<td>Katherine Eldson Skeiton</td>
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<tr>
<td>Julie Osborne White</td>
<td>Anderson</td>
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### Secondary Education

<table>
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<th>Name</th>
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<tbody>
<tr>
<td>Susan Marie Alewine</td>
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<tr>
<td>David Jordan Alexander</td>
<td>Iva</td>
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<td>Annette Marie Nestor</td>
<td>Mauldin</td>
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<td>Pamela Diane Patterson</td>
<td>Pendleton</td>
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<tr>
<td>Bonnie Lynn Sunday Topping</td>
<td>Newburg, N. Y.</td>
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<tr>
<td>Kim Anne White</td>
<td>Taylors</td>
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</tbody>
</table>

## MASTER OF INDUSTRIAL EDUCATION

**Cora Kemp Blair**  Ninety Six  **Donald Keith Tate**  Greenville

**Joseph Phillip Darity**  Pelzer

## COLLEGE OF ENGINEERING

### MASTER OF ENGINEERING

#### Electrical Engineering

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Ronald George Pendred</td>
<td>Charlotte, N. C.</td>
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#### Environmental Systems Engineering

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Gary Ray Hill</td>
<td>Barre, Vt.</td>
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<tr>
<td>Nolton Gideon Johnson</td>
<td>West Palm Beach, Fla.</td>
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<tr>
<td>Harry Simpson Keck</td>
<td>Atlanta, Ga.</td>
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<tr>
<td>Bruce David Roberts</td>
<td>Morristown, Tenn.</td>
</tr>
</tbody>
</table>
MASTER OF SCIENCE
Bioengineering
Mary Anne Ackley Syosset, N. Y. Ronald Kenichi Yamamoto Carson, Cal.

Chemical Engineering
Philip Allen Knight Charleston

Civil Engineering
Carol Gaye Garrison Anderson Abdulhai Ahmed Pandor
St. Michael, Barbados, W. I.

Electrical Engineering
Charles Ray Saylor Charlotte, N. C. Richard Miller Weatherly, Jr.
Charleston

Environmental Systems Engineering
Louis Elwyn Fay Anderson Christine Peralta
Charleston

Mechanical Engineering
Chandakant Agarwal Kota, Rajasthan, India James Ray Rick Pelfrey Chattanooga, Tenn.
Chia-Lung Chang Ping-Tung, Taiwan Robert Ivan Robertson Liberty
Yi-Jung Liaw Taichung, Taiwan

Systems Engineering
Nelson Orlando Colon Bayamon, Puerto Rico Anna Aleksandra Szymanski Stutzenberger
Clemson

COLLEGE OF FOREST AND RECREATION RESOURCES
MASTER OF RECREATION AND PARK ADMINISTRATION
Michael Earl Murdoch Morehead City, N. C. Margo Holland Raynor Louisburg, N. C.

MASTER OF SCIENCE
Forestry
Jean Lovinggood Askew Georgetown

COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE
MASTER OF ARTS
Economics
Steven Theodore Spires Bristol, Va.

MASTER OF SCIENCE
Management
Jim Dillard Fisher Lenoir, N. C. Cheryl Cook Patterson Clemson

Textile Chemistry
Kim Thomas Deacon Rogers, Ark.

COLLEGE OF LIBERAL ARTS
MASTER OF ARTS
English
Robert Aldine Clardy Pelzer Williamsburg, Va.
James Gerald Murphy
COLLEGE OF NURSING

MASTER OF SCIENCE

Nursing
Wanda J. Cain White Black Mountain, N. C.

COLLEGE OF SCIENCES

MASTER OF SCIENCE

Chemistry
John William Cox III Columbia

Mathematical Sciences
Jack Vernon Crosby North Charleston Parivaah Jamnia Tehran, Iran

Microbiology
David Walker Stroud Rock Hill

Physics
Robert Sheldon Lear Daytona Beach, Fla. Michael Craig Moody Dillon

Zoology
CANDIDATES FOR DOCTORS' DEGREES
ARNOLD EDWARD SCHWARTZ, Dean, Graduate School

COLLEGE OF AGRICULTURAL SCIENCES

DOCTOR OF PHILOSOPHY

Animal Physiology

Michael Francis McGrath
B.S., Kent State University; M.S., St. Bonaventure University
Dissertation: Development of Defined Culture System and Some Effects of the Ovarian Hormones on Cells Derived from the Bovine Endometrium

Applied Economics

Michael Joseph Ellerbrock
B.S., Texas A&M University; M.R.P.A., Clemson University
Dissertation: Prices and Pricing in the Hotel/Motel Industry in South Carolina: An Econometric Analysis

Plant Pathology

William Douglas Goff
B.S., M.S.; Mississippi State University
Dissertation: Fungicidal Control and Epidemiology of Mycosphaerella caryigena on Pecan

COLLEGE OF ENGINEERING

DOCTOR OF PHILOSOPHY

Engineering

Barry Louis Ornitz
B.S., M.S., Clemson University
Dissertation: The Application of the Beard Time-Optimal Control Algorithm to Closed-Loop Systems (Field of Specialization: Chemical Engineering)

Naser Nur Salman
B.S., LeMoyne College; M.S., Clemson University
Dissertation: The Effect of Direct Current Application on the Bone Growth into Porous Polymeric, Ceramic and Metallic Implants (Field of Specialization: Bioengineering)

COLLEGE OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

DOCTOR OF PHILOSOPHY

Engineering Management

John Patrick Harman
B.S., Clemson University; M.S., University of North Carolina, Greensboro
Dissertation: A Management Technique for Achieving More Effective Utilization of Computer Resources

Management Science

Nancy Valree Phillips
B.A., Erskine College; M.S., Clemson University
Dissertation: A Study of the M - Center Problem Using Chordal Graphs

COLLEGE OF SCIENCES

DOCTOR OF PHILOSOPHY

Chemistry

James Edgar Geddie
B.S., Hampden Sidney College
Dissertation: The Synthesis and Conformational Analysis of Some Tri-substituted Ethanes

Physics

Willem Pieter van de Merwe
M.S., Delft University
Dissertation: A Study on the Kinetics of Photorepair of Dimers in the DNA of Chick Embryo Fibroblasts
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 road 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 Tiger 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.