8-11-1990

Clemson Commencement Program, August 1990

Clemson University

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Graduation
Saturday, August 11, 1990
11:00 a.m. Littlejohn Coliseum

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

Invocation
The Reverend Enoch Hendry
Wesley Foundation

Conferring of Honorary Degrees
President Max Lennon

Recognition of President's Award Recipients

Address to Graduating Class
Walter Anderson
Editor, Parade Magazine

Conferring of Degrees and Delivery of Diplomas
President Max Lennon

Welcome to New Alumni
J. Ryan White
President, Alumni Association

Benediction
Frank W. Breazeale, Organist
Kevin Davidson, Soloist
Dr. Teh Tah Yang, University Marshal

Visitors are not allowed on the floor of the coliseum for photographic or other purposes until after the commencement address. Access to the floor of the coliseum will be allowed beginning with the conferring of degrees of the doctoral candidates. Please return to your seat promptly after making photographs in order to keep distraction on the floor at a minimum.

You are requested to refrain from loud expressions of pleasure for individual graduates. Such expressions frequently detract from the recognition due the next graduate in line.

Your cooperation is respectfully but urgently requested.
HONORARY DEGREE
DOCTOR OF HUMANITIES
WALTER ANDERSON

Walter Anderson, honored many times with awards for editorial excellence and humanitarian service, is editor of Parade, the popular Sunday newspaper magazine, and a senior vice president of Parade Publications, Inc.

Anderson, a respected journalist and author, has seen Parade magazine's circulation grow from 21.6 million in 129 Sunday newspapers to more than 35 million copies in 333 newspapers during his 10 years as editor.

Once a high school dropout, Anderson is a national spokesman for GED, the program which enables high school dropouts to gain their equivalency diplomas. He also is a director of the national Dropout Prevention Fund.

Anderson joined Parade Publications as a senior editor of Parade in 1977, was named managing editor in 1978 and editor in 1980. Prior to joining Parade, Anderson held several top management and editorial positions with Gannett Newspapers in New York State.

He is a member of the National Advisory Board of Literacy Volunteers of America, and his latest book, "Read With Me," will be published by Houghton Mifflin on September 8, International Literacy Day. First Lady Barbara Bush chairs the LVA advisory board, and this year, Anderson received the organization's Stars in Literacy Award along with Mrs. Bush and Wally "Famous" Amos. He also is a member of the board of advisors of the National Center for Family Literacy.


Anderson's second book, "The Greatest Risk of All," was published in 1988. The Kirkus Reviews described Anderson as "the Dale Carnegie of the 80's." Margaret Truman called the book "richly inspiring," and Alex Haley said it "vividly illustrates that it is those people who dare who will succeed."

In March 1988, Anderson was honored for his professional leadership and humanitarian service with the Tree of Life Award from the Jewish National Fund. Proceeds from the ceremony, where the award was presented by Nobel Peace Prize-winner Elie Wiesel, were used to establish the Walter Anderson Forest in Israel. In September of the same year, he received the Spirit of America Award from the Institute for the Study of American Wars, an educational research organization which honors veterans of foreign wars for their humanitarian service. Last year, he received the Napoleon Hill Foundation Gold Medal for literary achievement.

A summa cum laude graduate of Mercy College where he majored in psychology, Anderson was valedictorian of his class. He also was valedictorian of his class at Westchester Community College where he received an associate of arts degree. He served as chairman of the Board of Trustees of Mercy College for eight years and is now trustee emeritus.

Clemson University holds him and his achievements in the highest regard, and it is a privilege to present Walter Anderson with the honorary degree, Doctor of Humanities.
HONORARY DEGREE
DOCTOR OF LAWS

JOHN D. ARCHBOLD

John D. Archbold has had a distinguished career as an engineer, inventor, philanthropist, and conservationist. He has been awarded many honors, both national and international, during his remarkable lifetime.

An avid sailor, adventurer, and world traveller, he has developed a strong interest in the preservation of tropical ecosystems and tropical cultures and has devoted much of his energy to these efforts in recent years.

In May 1989, Mr. Archbold donated his beloved Springfield Plantation on the Caribbean island of Dominica to Clemson University. Springfield Plantation consists of 200 acres and nearly 30,000 square feet of lodging and storage space.

This generous gift formed the basis for the newly created Archbold Tropical Research Center, a consortium of 10 universities and agencies dedicated to research and education concerning tropical ecosystems. Mr. Archbold's gift is helping Clemson move to the forefront in the study of global environmental problems.

Mr. Archbold, who serves as honorary chairman of the consortium board, was born in the picturesque port town of Bar Harbor, Maine, son of an Irishman and the grandson of the first chief executive officer of Standard Oil of New Jersey. As a youngster he attended the Choate School in Connecticut, going on to study mechanical engineering at the University of Geneva and at Princeton University. He invented and patented a rotary internal combustion engine.

Mr. Archbold first came upon Dominica in 1935 while searching for a priceless Colombian treasure at sea. He was twenty-four years of age and decided to enter Dominica's planter business primarily as a producer of citrus. He bought land on the island, where he developed a plantation and hotel complex.

A large area of the plantation, Middleham Estates, was maintained as a pristine tropical rain forest. In 1975 he donated approximately 1,000 acres of this land to the Nature Conservancy. This land, now known as the Archbold Preserve, contributed to the establishment and expansion of the Morne Trois Pitons National Park on Dominica, one of the very few misty forest preserves in the Caribbean.

Because of these accomplishments, Mr. Archbold was awarded the Order of the British Empire. He also received the SISSEROU Award, the highest order given by the Government of Dominica to a private citizen for distinguished public service in agriculture.

Mr. Archbold's interest in Dominica and tropical ecology led him to support many years of research on the flora and fauna of the island by the Smithsonian Institution. This has led to the publication of more than 60 scientific works totaling more than 1,500 published pages.

Members of the new consortium are Clemson, the University of the West Indies, Medical University of South Carolina, University of Georgia, Texas A&M University, Syracuse University/SUNY-ESF, Yale University, U.S. Forest Service, National Park Service, and the Smithsonian Institution.

Given his career of philanthropy, his dedication to the promotion of research and education, his long involvement in conservation, and the high honors of recognition bestowed upon him by foreign governments, the awarding of an honorary Doctor of Laws degree from Clemson University is a most appropriate and timely action.
The President's Award

JAMES G. BANNON, JR.

JENNINGS G. McABEE

JAMES G. BANNON, JR.

James G. Bannon, Jr.'s sincere interest in Clemson University and his generous service as a donor and volunteer leader place him among this institution's most appreciated supporters.

Mr. Bannon, a 1965 graduate, and his wife, DeeGee, live in Arlington, Texas, where he is vice president of Azon Corporation. Their roots, however, are in South Carolina, for both are Greenville natives and have families here in the Upstate. Their son, James G. "Trey" Bannon, III, is a 1989 Clemson graduate.

The Bannons are benefactors of the Jim and DeeGee Bannon Scholarship Endowment, having personally committed $100,000 to generate unrestricted scholarships for Clemson students. As major donors to the University's academic program, the Bannons are members of the prestigious Benjamin Ryan Tillman Society.

Mr. Bannon also gives generously of his time and experience, serving as a director of the Clemson University Foundation, which raises, receives and invests private gifts for the benefit of Clemson's academic mission.

Separate from his personal contributions to the University, he is a new trustee of the Bannon Foundation, which also provides scholarship support for Clemson students.

Clemson University is proud of Jim Bannon's leadership in helping to prepare his alma mater for the 21st century. In recognition of his service, we are honored to present to him The President's Award.

JENNINGS G. McABEE

The Honorable Jennings G. McAbee represents the people of Greenwood and McCormick counties in the South Carolina House of Representatives.

Within the General Assembly, he serves all South Carolinians as chairman of the Natural Resources Subcommittee of the House Ways and Means Committee, which initiates the legislative budget process each year.

In the Legislature, as well as in his native McCormick, Rep. McAbee is a strong advocate of and key adviser to Clemson's public service programs and activities. He understands the vital importance of agriculture and natural resources to our economy, and he is aware that economic progress is highly dependent upon the information derived through research and provided to our citizens through instruction and extension programs.

Rep. McAbee is a 1967 graduate of Wofford College, where he became a member of Sigma Alpha Epsilon fraternity. He began his legislative career in 1975, before which he served as county magistrate from 1970 until 1972.

He contributes to his community as a 32nd Degree Mason and as a member of the Exchange Club, American Legion, Moose Lodge, Shriners, Jaycees and Lions Club. He is a former chairman of the Cancer Society and of the Boy Scout Fund and is an active member of the South Carolina National Guard.

For his service to our state, its citizens and higher education, Clemson University is pleased to present The President's Award to Rep. Jennings McAbee.
BOARD OF TRUSTEES

Louis P. Batson, Jr., Chairman ______________________ Greenville
Billy L. Amick, Vice Chairman ______________________ Batesburg
J. J. Britton ______________________________________ Sumter
W. G. DesChamps, Jr. _______________________________ Bishopville
Lawrence M. Gressette, Jr. ____________________________ Columbia
Harold D. Kingsmore ________________________________ Aiken
Louis B. Lynn ______________________________________ Columbia
Thomas B. McTeer, Jr. ________________________________ Columbia
Buck Mickel ________________________________________ Greenville
William J. Neely, Jr. _________________________________ Taylors
Philip H. Prince ____________________________________ Pawleys Island
Joseph D. Swann ____________________________________ Greenville
Allen P. Wood ______________________________________ Florence

Trustees Emeriti

Fletcher C. Derrick, Jr. _______________________________ Charleston
William N. Geiger, Jr. _______________________________ Columbia
Paul W. McAlister ___________________________________ Laurens
Paul Quattlebaum, Jr. ________________________________ Charleston
James C. Self ______________________________________ Greenwood
D. Leslie Tindal ____________________________________ Pinewood
James M. Waddell, Jr. ________________________________ Beaufort

ADMINISTRATIVE OFFICERS

Max Lennon __________________________ President
W. David Maxwell ______________________ Provost and Vice President for Academic Affairs
Hugh J. Clausen ________________________ Vice President for Administration and Secretary of the Board of Trustees
Milton B. Wise _________________________ Vice President for Agriculture and Natural Resources
David R. Larson ________________________ Vice President for Business and Finance
Gary A. Ransdell ________________________ Vice President for Institutional Advancement
G. Jay Gogue _________________________ Vice President for Research
Manning N. Lomax ______________________ Vice President for Student Affairs
The Academic Procession

The Academic procession is composed of the faculty, staff, officers, Trustees, and honored guests of the University. Faculty enter by college and each college is preceded by its marshal, a senior faculty member, with the college baton, described under University Regalia.

Following the marshal is the college banner bearer. Each banner is a combination of colors that declare the disciplines taught in that college. These colors, which were established by the American Council on Education, are as follows:

<table>
<thead>
<tr>
<th>College</th>
<th>Colors</th>
<th>Discipline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>Maize</td>
<td>Agriculture</td>
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<tr>
<td>Architecture</td>
<td>Brown</td>
<td>Fine Arts</td>
</tr>
<tr>
<td>Commerce &amp; Industry</td>
<td>Lilac</td>
<td>Architecture</td>
</tr>
<tr>
<td></td>
<td>Copper</td>
<td>Economics</td>
</tr>
<tr>
<td></td>
<td>Drab</td>
<td>Business</td>
</tr>
<tr>
<td>Education</td>
<td>Light Blue</td>
<td>Education</td>
</tr>
<tr>
<td>Engineering</td>
<td>Orange</td>
<td>Engineering</td>
</tr>
<tr>
<td>Forest &amp; Recreation</td>
<td>Russet</td>
<td>Forestry</td>
</tr>
<tr>
<td>Resources</td>
<td>Sage Green</td>
<td>Recreation Education</td>
</tr>
<tr>
<td>Liberal Arts</td>
<td>Dark Blue</td>
<td>Philosophy</td>
</tr>
<tr>
<td></td>
<td>White</td>
<td>Letters &amp; Humanities</td>
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<tr>
<td></td>
<td>Cream</td>
<td>Social Science</td>
</tr>
<tr>
<td>Library</td>
<td>Lemon</td>
<td>Library</td>
</tr>
<tr>
<td>Nursing</td>
<td>Apricot</td>
<td>Nursing</td>
</tr>
<tr>
<td>Sciences</td>
<td>Golden Yellow</td>
<td>Sciences</td>
</tr>
<tr>
<td>Staff</td>
<td>Purple &amp; Orange</td>
<td>Academic Support</td>
</tr>
</tbody>
</table>

Collegiate faculty follow their banner in order of academic rank wearing academic costumes of medieval origin. Those who have received their degrees from institutions outside the United States wear costumes specified by the awarding institutions. The academic costumes of faculty whose degrees are from United States' institutions are specified by a uniform code maintained by the American Council on Education. Caps are black and are usually mortar boards with tassels. Doctors of Philosophy wear gold tassels usually of metallic thread; other degrees wear black or discipline colors.

The bachelors' gown is simple and black with long, pointed sleeves. Masters' gowns, also black, are longer than bachelors. Older gowns have sleeves that terminate at the elbow while those since 1960 have sleeves extended to the wrist. Doctors' gowns are full, with bell-like sleeves. The front is marked by velvet panels and the sleeves are marked by three velvet bars. While most gowns are black with black velvet, one variation is to replace black velvet with velvet in the discipline color. A second variation is a colored gown usually of the university's colors.

All hoods specify the level of degree, the discipline studied and the awarding institution. First, degree level is signified by the size of the hood with bachelors' smallest, masters' larger, and doctors' quite large and of a different shape. Clemson does not award hoods to bachelors. The width of the velvet trim also conveys the degree. Secondly, the discipline is indicated by the color of the trim edging the hood to form the throat over the gown. Finally, the color of the hood's lining specifies the awarding institution. The colors are displayed in combinations that are drawn from heraldry. Notice that the Clemson University hood is lined with purple through which is an orange chevron (a "V"). Although many combinations are duplicated by dozens of institutions, Clemson is presently the only institution with that registered combination.

The officers, trustees, and honored guests wear academic, ecclesiastical, or military regalia as set forth by their professions. They are preceded by the University marshal. Clad in a gown of office in gold and purple, the marshal wears no hood and bears the University mace. At the ceremony's close, the faculty do not exit as a part of the recessional but are dismissed, along with students and guests, when the marshal leaves the coliseum.
The University Regalia

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

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

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

The batons of the college marshals also descend from medieval "staffs of office" which were carried by the senior members of departments of state or church. They display the seal of the University and the symbolic color of the discipline to which the college belongs. Clemson's batons are made of walnut wood and silver with the various disciplines inset with enamel.

The University regalia were designed and executed by Mr. Robert Ebendorf. Mr. Ebendorf is twice winner of the Tiffany Award and one of the most acclaimed goldsmiths of our era. The enamel plaques for the batons were executed by the late Professor Marshall C. Bell, and the lapidary work was executed by the late Mr. C. C. Wilson of Clemson University.
Coat of Arms

Designed by Clemson University graphic artist, Connie Floyd, the coat of arms represents the historic three-fold mission of this institution: teaching, research and service.

Pictured on the cover, the coat of arms is divided into three parts. The bottom contains a series of open books representing the concept of teaching as the basis of the land-grant university. The white of the books and the purple of the background designate the teaching mission of the University as it is achieved through undergraduate and graduate instruction.

The upper portion of the shield contains two sets of calipers and wheat sheaves illustrating the measurement system for research, as well as Clemson's tradition in agriculture and Extension. The three symbols — the books, calipers and wheat sheaves — also represent the humanities, technology and science.

The entire shield is joined by a small orange center shield bearing a white tiger mask symbolizing the abiding spirit of Clemson.

The crest is a gold palmetto tree, which emphasizes Thomas Green Clemson's desire that Clemson become "the people's university" for South Carolinians. It rises from a band of purple, orange, white and gold. The outer pair of colors, purple and gold, are the official colors of the University; the inner pair, orange and white, are Clemson's student colors.
CANDIDATES FOR DOCTORS’ DEGREES
FARRELL BLENN BROWN, Acting Dean, Graduate School

COLLEGE OF AGRICULTURAL SCIENCES

DOCTOR OF PHILOSOPHY

Agronomy

Elizabeth Ramona Garner .......................................................... Fackler, Ala.
B.S., Jacksonville State University; M.S., Alabama Ag. & Mech. University
Dissertation: Heritability of tolerance to Columbia lance nematode in soybean

Applied Economics

Danilo Cano Israel ................................................................. Bayugan, Agusan DelSur, Philippines
B.A., Mindanao State University; M.A., University of the Philippines
Dissertation: Total, At-Home and Away-From-Home Catfish Consumption in the U.S.: A Dichotomous and Ordered Logit-Probit Analysis

Jody Woods Lipford ............................................................... Florence
B.S., Francis Marion College; M.A., Clemson University
Dissertation: Religious Organizations as Non-Profit Firms: A Study in Organizational Theory

Food Technology

Ronald J. Blase ................................................................. St. Louis, Mo.
B.S., M.S., University of Missouri-Columbia
Dissertation: Factors Influencing Endogenous Flavor Compounds In Soybeans

Plant Physiology

Nenita Viyar Desamero ......................................................... Santa Cruz, Laguna, Philippines
B.S., M.S., University of the Philippines
Dissertation: Minimal Growth Storage for In Vitro Germplasm Conservation of Sweet Potato (Ipomoea batatas L.)

COLLEGE OF COMMERCE AND INDUSTRY

DOCTOR OF PHILOSOPHY

Industrial Management

Satish Vishwanath Nargundkar .................................................. Pune, India
B.E., Osmania University

Alberto Ferreira Pereira ....................................................... Covilha, Portugal
LICT, Technical University of Lisbon; M.S., Clemson University
Dissertation: The Effect of Assignment and Sequencing Rules on the Performance of a Flexible Manufacturing System

Kevin Weldon Sightler .......................................................... Anderson
B.S., M.S., Clemson University
Dissertation: The Relationship Among Motivation, Managerial Talent and Performance in the Nursing Profession: Differences Across Organizational Levels

COLLEGE OF EDUCATION

DOCTOR OF EDUCATION

Vocational and Technical Education

Lonnie Clarence Towe ............................................................. Walhalla
B.S., East Tennessee State University; M.A., ED.S., Western Carolina University
Dissertation: The Effect of the South Carolina Education Improvement Act of 1984 on Selected Public School Student Variables

Phillip David Weinsier .......................................................... Orlando, Fla.
B.S., Berry College; M. In.Ed., Clemson University
Dissertation: A Covert Approach to Measuring Computer Anxiety as a Factor Influencing University Student Study Interest
COLLEGE OF ENGINEERING

DOCTOR OF PHILOSOPHY

Engineering

Richard Wayne DeMouy .................................................. Kensington, Md.
B.A., Adams State College; M.S., Virginia Polytechnic Institute and State University
Dissertation: Development of a Model for Total Quality Management in the Health Care Industry (Field of Specialization: Industrial Engineering)

Veton Zija Kepuska .................................................. Clemson
DIP, Tech Faculty Pristina; M.S., Clemson University
Dissertation: Neural Networks for Speech Recognition Applications (Field of Specialization: Computer Engineering)

Kabíl Kim .......................................................... Seoul, Korea
B.S., Seoul National University; M.S., Korea Advanced Institute of Sci. & Tech.
Dissertation: Position and Force Control of Two Coordinating Robots with Application to Unknown Load Distribution (Field of Specialization: Electrical Engineering)

Junghsen Lieh .................................................. Kaoshiung, Taiwan
B.S., National Taiwan University; M.S., Clemson University
Dissertation: Computerized Symbolic Closed-Form Dynamics and Control Analysis of Hybrid Rigid and Elastic Multibody Systems (Field of Specialization: Mechanical Engineering)

Mehrdad Moheb .................................................. Iran
B.S., University of Arkansas at Little Rock; M.S., Memphis State University
Dissertation: Concepts and Development of Express: A System for Improving Productivity Via Bottleneck Identification and Rectification (Field of Specialization: Industrial Engineering)

Madjid Sam Mousavi .................................................. Tehran, Iran
B.S., M.S., Clemson University
Dissertation: Computer Stereo Vision for Three-Dimensional Object Location Using a Neural Network Architecture (Field of Specialization: Electrical Engineering)

Bruce Andrew Parsons .................................................. Fort Lauderdale, Fla.
BSEE, Florida Atlantic University; MSEE, University of Miami
Dissertation: An Investigation of Catecholamine-Mediated Myonecrosis Using Fluorescence Spectroscopy (Field of Specialization: Bioengineering)

Erik Karlsten Reed .................................................. Mauldin
B.S., Bob Jones University; B.S., M.S., Clemson University
Dissertation: Electromagnetic Penetration Through Narrow Slots In Conducting Surfaces and Coupling To Structures On The Shadow Side (Field of Specialization: Electrical Engineering)

Mohammad Rafiq Ur Rehman .................................................. Bahawalpur, Pakistan
B.S., University of Agriculture, Lyallpur; M.S., University of Manitoba
Dissertation: Design Parameters for a Low-Cost Cotton Harvesting System (Field of Specialization: Agricultural Engineering)

Alejandro Reyes .................................................. Cali, Colombia
B.S., University Del Valle/Nacional de Colombia; M.S., University of Georgia
Dissertation: Design of Sensors, Data Acquisition System and a Finite Element Computer Model to Measure and Predict Soil Compaction (Field of Specialization: Agricultural Engineering)

Sankar Sengupta .................................................. Asansol, West Bengal, India
B.S., Indian Institute of Tech Bombay; M.S., University of Oklahoma Norman Campus
Dissertation: Quality Implications of Part Routing decisions in a Flexible Manufacturing System (Field of Specialization: Industrial Engineering)

Kishore Kumar Yalamanchili .................................................. Vijayawada, India
B.E., Andhra University; MT, Indian Institute of Tech. Kanpur
Dissertation: Finite Element Computations on Super Computers and Their Applications to Failure Analysis of Composite Masonry Walls (Field of Specialization: Civil Engineering)

COLLEGE OF FOREST AND RECREATION RESOURCES

DOCTOR OF PHILOSOPHY

Parks, Recreation, and Tourism Management

Laurel Joy Reid .................................................. Ottawa, Ontario, Canada
B.S.C, Syracuse University; M.C.S, University of Calgary
Anna Gibson McKenna .................................................. St. Cloud, Minn.
B.S., M.S., Clemson University
Dissertation: The N-Nitrosation Reactions of Transition Metal Nitrites With Pyrrolidine

Carl Michael Riedl .................................................. Winston-Salem, N. C.
B.S., University of North Carolina at Chapel Hill
Dissertation: Mathematical Modeling of Counterion Binding in Polyelectrolyte Solutions and the Separation of Amino Acids from Fermentation Broths Using Hyperfiltration

Michael Edward Lundquist ........................................ Provo, Utah
B.A., Saint Olaf College; M.S., Clemson University
Dissertation: Zero Patterns, Chordal Graphs and Matrix Completions

Elizabeth Ann Reap .................................................. Deerfield, Ill.
B.S., St. Mary's College
Dissertation: The Effects of Dimethylglycine on Antibody Production, Cell-mediated Immune Responses and B-16 Melanoma Growth and Development
CANDIDATES FOR MASTERS’ DEGREES

FARRELL BLENN BROWN, Acting Dean, Graduate School

COLLEGE OF AGRICULTURAL SCIENCES

MASTER OF AGRICULTURAL EDUCATION

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Marian Lee Cameron</td>
<td>Chester</td>
</tr>
<tr>
<td>James Powell Copelan</td>
<td>Abbeville</td>
</tr>
<tr>
<td>Parker Watson Hall, Jr.</td>
<td>Anderson</td>
</tr>
<tr>
<td>John Wessells Herron</td>
<td>Starr</td>
</tr>
<tr>
<td>William Edgar Keels</td>
<td>Pinewood</td>
</tr>
<tr>
<td>William Thomas Parker, Jr.</td>
<td>Blacksburg</td>
</tr>
<tr>
<td>Timothy Wayne Pasour</td>
<td>Black Mountain, N. C.</td>
</tr>
<tr>
<td>Jason Geer Pike</td>
<td>Spartanburg</td>
</tr>
</tbody>
</table>

MASTER OF SCIENCE

Agricultural Economics

<table>
<thead>
<tr>
<th>Name</th>
<th>City</th>
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<tbody>
<tr>
<td>Sharmila Sengupta</td>
<td>Ranchi, India</td>
</tr>
<tr>
<td>Oral Highworth Williams</td>
<td>St. Kitts, West Indies</td>
</tr>
<tr>
<td>Thomas John Anderson</td>
<td>Ceylon, Minn.</td>
</tr>
<tr>
<td>Wardani</td>
<td>Banda Aceh, Indonesia</td>
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</tbody>
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Agronomy

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<tbody>
<tr>
<td>Kenneth Bruce Bunn</td>
<td>Anderson</td>
</tr>
<tr>
<td>Rosemary Coulter Cregar</td>
<td>Seneca</td>
</tr>
<tr>
<td>Kimberly Marie Dusza</td>
<td>Buffalo, N. Y.</td>
</tr>
<tr>
<td>Alice Elizabeth Holley</td>
<td>Aiken</td>
</tr>
<tr>
<td>Rebecca Anne Raichel</td>
<td>Beaver Falls, Pa.</td>
</tr>
<tr>
<td>Lisa Michelle Redmond</td>
<td>Winston-Salem, N. C.</td>
</tr>
<tr>
<td>Jeffrey Rhodes Ward</td>
<td>Charlottesville, Va.</td>
</tr>
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Animal and Food Industries

<table>
<thead>
<tr>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>James Vason Morrow</td>
<td>Umatilla, Fla.</td>
</tr>
<tr>
<td>Charles Ray Ruth, Jr.</td>
<td>Pawley's Island</td>
</tr>
<tr>
<td>Joanna Middleton Hubbard</td>
<td>Sevenoaks, England</td>
</tr>
<tr>
<td>Joan Lina John</td>
<td>Castries, St. Lucia, W. I.</td>
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</tbody>
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Aquaculture, Fisheries, and Wildlife Biology

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<tr>
<th>Name</th>
<th>City</th>
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Horticulture

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COLLEGE OF ARCHITECTURE

MASTER OF ARCHITECTURE

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COLLEGE OF COMMERCE AND INDUSTRY

MASTER OF BUSINESS ADMINISTRATION

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<td>Julia Rhodes Wilson</td>
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MASTER OF PROFESSIONAL ACCOUNTANCY

Charlotte Rose Stifel Abbott ....................... Pelzer
Billy David Benfield ............................. Toccoa, Ga.
Walter Christopher Castro ......................... Clemson
Laura Harriet Hill ................................. Marion
Jonathan Wesley Jaynes .......................... Easley

Edward Eugene Nelson, Jr. ......................... Simpsonville
Laurel Elizabeth Scott ............................. Central
Mary Catherine Turner ............................. Greenville
Chihshien Wen .................................... Taipei, Taiwan
Elizabeth Starlene West .......................... Bowman

MASTER OF ARTS
Economics

Aaron Shane Burkes ................................. Fort Smith, Ark.
William Scott Latimer ........................... Burke, Va.

Richard Tanner Merrell .......................... Anchorage, Alaska
Henrik Skov ...................................... Copenhagen, Denmark
Todd Joseph Zywicki ............................... Greenville

MASTER OF SCIENCE
Industrial Management

Stephen Leon Ballenger .......................... Easley
Robert Daniel Hunter, Jr. ....................... Charleston
Jayeesh Vasant Merchant ........................ Spartanburg

Ravi Chander Paul ................................. Clemson
Zhuoqun Zhou ....................................... Shanghai, China

COLLEGE OF EDUCATION

MASTER OF EDUCATION
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Philip Roger Boyles .............................. Abbeville
Bonnie Hand-Davenport ......................... Anderson
Barry Bryant Jacks ............................... Abbeville
George Michael Kelly ............................ Williamson
Alan Douglas Kennedy ............................ Greenmount, Prince Edward Island, Canada
Travis Hamilton Langford, Jr. ................. Laurens
Victor Morris McCormick ........................ Greenwood

Jackie Mercer Miller ............................. Clemson
James Allen Murray ............................... Taylors
Nancy Kay Powell ................................. Seneca
Russell Harvey Scott ............................. Greenwood
Daniel Edward Strawderman ..................... Lugoff
James Ronald Taylor ............................. Laurens
John Edward Taylor .............................. Walhalla

Counseling and Guidance Services

Lisa Deneire Beck ................................. Greenville
Carolyn Coffey Boucher ......................... Manning
Patricia Joan Caturano ......................... Fairfax, Va.
Donna Joan Deckard ............................... Denton, Texas
Donna Marie De Martini ........................... Port Jefferson Station, N. Y.
Catherine Sams Derrick .......................... Greenville
Karen Elaine Edwards ............................ Seneca
Dennis Neal Getzinger ............................ Anderson
Holliace Kay Eilennburg Hamid .................. Easley
Danny Angello Holland ........................... Seneca
Nancy Kay Hughes ................................. Greenville
Melinda Paulson Kay .............................. Belton

Sallie Rankin Lee ................................. Easley
Haven Kay Long .................................... Greenwood
Cynthia Lynn McCoy ............................... Anderson
Diane Page McKinney .............................. Piedmont
Tracie Elaine McKinney ........................... Seneca
Lynn Cleckley Parsons ............................ Greenville
Susan Bryson Polson .............................. Clinton
Ronald Eugene Reagan ............................ Charlotte, N. C.
Cynthia Robinson ................................. Birmingham, Ala.
Sandra Renee Rowland ............................ Ninety Six
Valerie Vaughn Smith ............................. Pendleton
Brenda Hull Taylor ............................... Pendleton
James David Valentine ............................ New Bremen, Ohio

Elementary Education

Michele Robertson Addis .......................... Anderson
Melanie Meane Baker ............................. Westminster
Elizabeth Ann Bell ............................... Toccoa, Ga.
Kathryn Wheeler Bigham .......................... Toccoa, Ga.
Elizabeth Gray Brooks ........................... Easley
Donna Norville Bumgarner ........................ Whitmire
Carol Carncal ..................................... Little Mountain
Marilin Elizabeth Laphew Collier ................ Toccoa, Ga.
Tammy Gibson Compton ............................ Walhalla
Gail Kolmorgen Dunham ............................ Six Mile
Jacqueline Koon Eaches .......................... Newberry
Cynthia Gwinn Fogle ............................. Easley
Elizabeth Hamrick Haas .......................... Spartanburg
Joye Brock Hall ................................. Whitmire
Karen Edwina Hare ............................... Seneca
Cheryl D. Berglund Heintze ........................ Clemson
Donna Michele Jont ............................... Greenville
Karen Elizabeth Kay .............................. Belton

Mary Elizabeth Kemp .............................. Walhalla
Jessie Floyd Kerson ............................... Newberry
Jennifer Johnson Lawing .......................... Irmo
Margaret Elizabeth Layne ........................ Salem
Kathy Haynes Martin .............................. Williamson
Sarah Louise Morton ............................. Greenville
Ann King Oswald ................................. Whitmire
Nancy Lynn Ruckman .............................. Jacksonsville, Fla.
Karen Lisa Sellers ............................... Cheraw
Myriam Marie Seoane ............................. Morris Plains, N. J.
Angela Denise Smith .............................. Walhalla
Nan Kelly Smith ................................. Spartanburg
Kathy Dianne Somerville .......................... Central
Tangye Gilchrist Strickland ........................ Central
Angela Roche Thompson ........................... Whitmire
Tina Baker Wilkerson ............................. Newberry
Kathy Smith Williams ............................. West Union
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- Cathryn Foster Aldridge, Raleigh, N. C.
- Julie Anne Cooper, Gastonia, N. C.
- Carrie Leanna Merck, Clemson

### Secondary Education
- Mary Katherine Duncan, Easley
- Carol Shore Havird, Due West
- John Kirkwood Hendricks, Jr., Laurens
- Allison Gail Kesler, Central
- Melissa Kellett Marchal, Seneca
- Robin Buntun McFall, Williamston
- Patricia Magaha Monteith, Anderson

### Special Education
- Roxie Fisher Ashley, Honea Path
- Peter Thomas Butchart, Greenville
- Edmund Morrison Clark, Easley
- Marcie Shively Gilliland, Anderson
- Kathleen Joan Kaiser, New Providence, N. J.
- Jenni Anita Leaphart, Prosperity

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- Nathan Frederick Brandt, West Columbia
- Paul Vincent Brown, Spartanburg
- Malcolm Anthony Carr, Winter Haven, Fla.
- Philip John Esposito, Greenville
- Gregory Lee Hall, Oxon Hill, Md.
- Ralph Darwin Kniesley, Inman
- Bryan George LaFollette, Dillsboro, Ind.

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#### MASTER OF ENGINEERING

##### Civil Engineering
- Timothy Scott Hudwalker, Farmington, Mo.
- Zachary Gisterak, Matawan, N. J.

##### Electrical Engineering
- Carl Albert Lang, Manchester, Mo.
- Kevin Barry Tanguay, Denver, Co.

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(Agricultural Engineering is jointly administered by the College of Agricultural Sciences and the College of Engineering.)
- Stephen Taylor Henry, Corryton, Tenn.
- Tamara Beth Harder, Hudson, N. Y.

##### Bioengineering
- Rupak Mukherjee, Pune, India
- Francisco Antonio Sepulveda, Santiago, Chile

##### Ceramic Engineering
- Matthew Wayne Hooker, Greenville
- Roberto Jose Cano, Lakeland, Fla.

##### Chemical Engineering
- Albert Mark Harper, Neosho, Mo.
- Thomas James Holstein, Jr., Cranston, R. I.

##### Civil Engineering
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- Shawn Patrick DeKold, Vero Beach, Fla.
Computer Engineering
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Amit Garg Alligarh, India
William Fred Keown, Jr. Belton
Mahesh Krishnamurthy Madras, India
Kim Ho Lo Hong Kong
Kallol Mandal New Delhi, India
Shashank Jaywant Pandhare Bombay, India
Sanjay Ramamoorthi Clemson
Keith Heinrich Thoms Anderson
Krishnan Venkatesubramanian Bombay, India

Electrical Engineering
Fu-Kuang Frank Chao Taichung, Taiwan
Amit Chawla Chandigarh, India
Anil Gawande New Delhi, India
Ronald Brett Huffachor DeKalb, Ill.
Muralidhar Venkatesh Mandi Poona, India
Joseph White Nims Honea Path
Deepu Rajan Trivandrum, India
Jing Shi Shanghai, China
Elapuly Venkatakrishnan Subramanium Bombay, India
Clarence Leon Wright III Augusta, Ga.
Hua Zheng Shanghai, China

Engineering Mechanics
Michael James Todt Sumter

Environmental Systems Engineering
Raed Mohammed El-Farhan Amman, Jordan

Industrial Engineering
Babu Aravinth Coimbatore, India
Kurt Edward Whitley Aiken

Mechanical Engineering
Shih-Yi Lu Taoyuan, Taiwan
Charles Chesley Rowe Clemson

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Mark Jeffrey Brown Asheville, N. C.
Joseph Russ Hannon Tallahassee, Fla.

MASTER OF PARKS, RECREATION, AND TOURISM MANAGEMENT
Liane Elaine McCollough Clemson

MASTER OF SCIENCE
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Timothy Lynn Evans Pine Bluff, Ark.

Parks, Recreation, and Tourism Management
Pamela Alexander Augspurger Pendleton
William Allen Johnson, Jr. Williston
Ann Marie Wing-Vogelbacher Stanhope, Iowa

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English
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Blanche Kathleen Dickel Seneca
Robert Luther Ellis, Jr. Taylors
Thomas Alan Jarvis Greenville
Elizabeth MacDonald Lamont Charleston
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Sheila Diane Rhea Pennington Gap, Va.
Charles George Toney Lavonia, Ga.

History
Craig Thompson Friend Dallas, N. C.
Carmen Veneita Harris-Lowe Gaffney
Stephen Lowe Waycross, Ga.
Chandana Mozumdar Calcutta, India

MASTER OF SCIENCE
Applied Psychology
Tonya Arledge Ballard Tryon, N. C.
Thomas Bradley Bechtold Greenville
Steven Lamar Hawthorne Macon, Ga.
Teresa Lynn Husten Bellevue, Nebr.
COLLEGE OF NURSING

MASTER OF SCIENCE
Nursing

Bridget Crowley Allen  Taylors
Laura Lee Davis  Eads, Tenn.
Marilyn Louise Younghouse Haas  Asheville, N. C.

Clarissa Dianne Poole Hansford  Laurens
Elizabeth Ann Rowland  Central

COLLEGE OF SCIENCES

MASTER OF SCIENCE
Botany

Earl Glenn Turner  Clemson

Chemistry

Nancy Ann Brock  Lexington

Girish Shriram Nagarkar  Bombay, India

Computer Science

Scott Allen Barnhart  Lawrenceville, Ga.
Praveen K. Gottipati  Vijayawada, India
Charles Springer Graham  Travelers Rest
Regina Rodgers Helms  Fort Mill
Anderson Hoyt Jackson  Durham, N. C.

Ambreesh Khanna  New Delhi, India
James Charles Sloan  Lakeville, N. Y.
Chandra Rama Thuremella  Hyderabad, India
Jegdish Turimella  Hyderabad, India
Peter Lewis Ware  Greenville

Mathematical Sciences

Katherine Edwina Coxe  Seneca
Kellie Lynne Elliott  Pittsburgh, Pa.
Laura Shevaun Green  Anderson
Kanita Claudette Kimmons  East Cleveland, Ohio
Kimberly Elizabeth Long  Augusta, Ga.

Julius Matthew Myers  Ethelsville, Ala.
Kimberly Ann Osborne  Taylors
Carol Ann Parker  Sherwood, Ark.
Joni Leigh Skiles  Coalfield, Tenn.

Microbiology

Carl Thomas Bailey  Greenville
Malcolm Alexander Bonner, Jr.  Hickory, Miss.

Myra Demetra Hughes  Columbia
Judith Marie Skoner  Mansfield, Ohio

Zoology

Anne Mercereau Lindsay  Athens, Ga.
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Aquaculture, Fisheries, and Wildlife Biology
Karri Ann Kirkley ____________ Charleston
Jeffrey Lynn Mason ____________ Jonesville

Entomology
Kirk Patrick Williams ____________ Georgetown

Food Science
Suhendra Kartika ____________ Jakarta, Indonesia
Emily Faye McNeely ____________ Hickory, N. C.

Horticulture
Amy Taylor Dickerson ____________ Clemson

Pre-Professional Studies
Rendall E. Barfoot, Jr. ____________ Gray Court

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JAMES FRAZIER BARKER, Dean

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Design
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BACHELOR OF SCIENCE
Building Science and Management
*Arthur Martin Bjontegard III ____________ Columbia
Kenneth Brian Burkom ____________ Baltimore, Md.
Samuel Wright Dixon ____________ Sumter
Irving Harrington IV ____________ Six Mile
**Terrance Douglas Hegel ____________ Wall, N. J.

Design
James Albert Crittenden III ____________ Piscataway, N. J.
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James Edward Hedrick ____________ Winston-Salem, N. C.
William Bruce Litchfield ____________ Atlanta, Ga.
James Lee McConnell, Jr. ____________ Llubishi, Ga.
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*Rebecca Paynter Rogers ____________ Morristown, Tenn.

Joshua Aaron Theodore ____________ Dallas, Texas
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Timothy Michael Vaccaro ____________ Marietta, Ga.
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Julie Marie Williams ____________ Charlotte, N. C.
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COLLEGE OF COMMERCE AND INDUSTRY

RYAN CUSTER AMACHER, Dean

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Economics
Sherry Alicia Noble ____________ Hilton Head Island
Melissa Ann Scattolini ____________ New Fairfield, Ct.

BACHELOR OF SCIENCE
Accounting
Cynthia Gene Dunagan ____________ Columbia
Donald James Fandetti ____________ Columbia, Md.
*Miranda Letitia Fowler ____________ Anderson

*Samuel Edward Petros ____________ Greenville
Dawn Marie Thrasher ____________ Anderson
### Economics

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### Financial Management

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<td>Florence</td>
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### Industrial Management

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### Management

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### Marketing

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<td>Emily Elizabeth Ahnert</td>
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<td>Linda Josephine Hoffmann</td>
<td>Wayne, N. J.</td>
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<tr>
<td>Timothy Wayne Kincaid</td>
<td>Forrest City, N. C.</td>
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<td>Robert Lynn Oaks</td>
<td>Greenville</td>
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<tr>
<td>Heather Gray O'Reilley</td>
<td>Mount Laurel, N. J.</td>
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<td>Pamela Jo Parker</td>
<td>Columbia</td>
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<td>Elizabeth Ann Pollard</td>
<td>Greenville</td>
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<tr>
<td>Jill Ann Snelsaire</td>
<td>Clemson</td>
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<td>April Patrice Taylor</td>
<td>Lugoff</td>
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### Textile Chemistry

<table>
<thead>
<tr>
<th>Name</th>
<th>City/State</th>
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<tr>
<td>Julianne Hart Shuler</td>
<td>Holly Hill</td>
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### Textile Management

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Alan Bruce Bagwell</td>
<td>Moore</td>
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<tr>
<td>John Boyce DeVinney, Jr.</td>
<td>York</td>
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<tr>
<td>Maxwell Tindall Fain</td>
<td>Spartanburg</td>
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### Textile Science

<table>
<thead>
<tr>
<th>Name</th>
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<tr>
<td>Diane Theresa Carney</td>
<td>E. Greenwich, R. I.</td>
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</table>
# COLLEGE OF EDUCATION
## GORDON WALTER GRAY, Dean

### BACHELOR OF ARTS

#### Early Childhood Education
- Susan Rebecca Truluck Driggers, Sumter
- Susan Carol Fowler, Clemson
- Anise Valencia Glover, Greenwood
- Tammy Lynn Honea, Seneca

#### Elementary Education
- *Dannis Coleman Benjamin, Anderson
- Jamie Miller Boggs, Central
- Lori Anne Carraway, Lynchburg
- Suzanna Leigh Carter, Westminster
- Andrew Wesley Ford, Gaffney
- *Kimberly Carlisle Fowler, Greer
- Tammy Mason Garland, Seneca

#### Secondary Education
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- **Lisa Christine De Lisle, Pembroke Pines, Fla.
- Bruce Miller Dixon, Jr., West Union
- Heather Hickman Hardee, Laurens

#### DOUBLE MAJOR
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### BACHELOR OF SCIENCE

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- *Jennifer Leigh Cooper, Simpsonville
- Mark Lee Davis, Greenwood
- Scott Michael Donovan, Fort Mill
- Kyle Lee Gambrell, Elon College, N. C.

### Industrial Education
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- ***Jeffrey Henry Hunt, Anderson

### Science Teaching
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- Kevin Stewart Merritt, Greenwood

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- Gary Lawrence Hawkins, Newberry

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- Donald Michael Faison, Columbia
- David John Kistner, Largo, Fla.
- Willie Ed Pettway, Govan
- Paul Andrew Sulewski, Spartanburg
- Carrie Elizabeth Todd, Walhalla
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Darrell Louis Donaux  Charleston
*Ozan Etienne  Roseau, Dominica
Wesley Dodgen Few  Greenwood

Paul William Hamby  Lexington

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Paul William Hamby  Lexington

Electrical Engineering

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Donna Leigh Bethea  Fort Mill
Jeffery Todd Hinson  Greenwood
Helmut Lilischkies  Spartanburg
Jeffrey Allen Long  Wallingford, Ct.
Markus Ulysses Moore  Greenville
Luis Heriberto Oduber  Aruba
John William Parris  Spartanburg

Roderick Seymour Perkins  Greenville
Gary Dowling Reames  Bishopville
Kevin Harris Reeves  Lebanon
Daniel Martin Robinson  Irmo
Thomas Raymond Strunk  Orange, Ca.
Richard Frank Way  Holly Hill
David Jonathan West  Anderson
David Franklin Wilson  Charleston

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Ellen Dunbar Jenkins  Barnwell
*Linda Kristle Menhennett  Windham, N. H.

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William Russel Clem  Greenwood
Alejandro Antonio de la Fuente  Lima, Peru
Michael Chadwick Hawkins  Charlotte, N. C.

*Brett Allen McGee  Brevard, N. C.
George Philip McIntyre, Jr.  Brevard, N. C.
Paul Andrew Prochaska  Greensboro, N. C.
Tracy Lashaunda Scott  Columbia

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Gabriel Franz-Josef Dambaugh  Charleston
Martha Elizabeth Emory  Spartanburg
Timothy Daniel Evans  Piedmont
Eric Steven Freshwater  Columbia
Daniel Paul Heater  Lyman
Mark Andrew Hooker  Greenville

***Mark William Pinson  Honea Path
James Thomas Robinson  Easley
Edward Dean Rogers  Columbia
Michael Ray Sears  Anderson
Dirk William Servine  Dunwoody, Ga.
Lisa Lee Smith  Anderson
Thomas Bruce Weaver III  Wilmington, Del.

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Maureen Alane Maney  Summerville
Sonja Marie McGrew  Steubenville, Ohio
Shrie Anjanete Ramey  Pendleton
Janet Michelle Rochester  Seneca
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Sommer Elizabeth Schmieske  Anderson
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ROBERT ALFRED WALLER, Dean

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Kelly Jo Neil Brown  Anderson
Ellen Rose DeGiulo  Chatham, N. J.

Kathryn Marie Hayden  Orangeburg
Kimberly Ann Palermo  Ft. Lauderdale, Fla.
Carla Diane Ruth  Atlanta, Ga.

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Joe Warren Hudson  Pontiac

Richard Allen Kellett  Greenville

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Margie Ann Crate  Anderson
John Britt Hunt  Columbia

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Liza Gaces Teodoro  Charleston, W. Va.

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Janet Elizabeth Burgess  Salem
Toni Marie Coleman  Hilton Head Island
Diana Catherine Kattak  Wayne, N. J.
Diana Lee Peterman  Fairfax, Va.
***Dawn Alee Przirembel  Clemson

Joseph Ashton Reynolds  Pinewood
Thomas Harold Risher, Jr.  Columbia
Kristie Robin Trethewey  Virginia Beach, Va.
Angela Maria White  Fernandina Beach, Fla.
Trevor Steven Williams  Mooresown, N. J.

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Darwin Germelle Rencher  East St. Louis, Ill.
Rodney Adrian Wilkes  Winnsboro

*Toby Kyle Woodard  Hobbs, New Mexico

Sociology
Hope Edmonds Bleecker  Charleston
Mark Stuart Davis  Boca Raton, Fla.

Deborah Lynne Paris  Pendleton
Deborah Anne Torrey  New London, Ct.

DOUBLE MAJOR
English and Political Science
Julie Ann Broyles  Lynchburg, Va.

English and Spanish
Amy Elizabeth Anderson  Greenville

COLLEGE OF NURSING
OPAL SHEPARD HIPPS, Dean

BACHELOR OF SCIENCE

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*Jessie Stuart Blazer  Greenville
Angela Rose Cantey  Charleston
James Mark Dorn  Anderson
Kimberly Ann Entrekin  Anderson
Christlaen Elizabeth Harton  Conyers, Ga.
Teresa Carrie McGaullard  Greenville
Susan Elizabeth Meyers  Veradale, Wash.
Kristi Rae Pilgrim  Pickens

Kimberly Dawn Porter  Pennington, N. J.
Linda Bridwell Retlew  Clemson
Allison Taylor Rochussen  Calhoun Falls
Douglas Benton Stanton, Jr.  Bennettsville
Susan Lynne Whaley  Greenwood
Georgia Annette Wheelchel  Pendleton
Michele McNeely White  Easley
Marcia Alane Younger  Dayton, Ohio
COLLEGE OF SCIENCES
BOBBY GUINN WIXSON, Dean

BACHELOR OF ARTS
Chemistry
Andrew Reid Crow .......................... Clemson
**Mark Alan Van Swol ........................ Crete, Ill.

BACHELOR OF SCIENCE
Biological Sciences
Andrea Paige Brooks .......................... Seneca
Robin Elaine Lambour ........................ Summerville
Thurmond Stephen Evatt ........................ Seneca
Patrick Elliot Sharbaugh ........................ Charleston

Chemistry
John David Adcock .......................... Taylors
Russell Lloyd Holliday ........................ Easley

Computer Information Systems
Stacia Mashawn Johnson ........................ Charleston
Rodante Joseph Tolentino ........................ N. Charleston

Computer Science
Steven Canfield Blackburn ........................ Clemson
Michael Kelly Martin .......................... Seneca
John Young Chiang .......................... Simpsonville

Geology
*Jo Cherie Bomar .......................... Greenville

Mathematical Sciences
Angie Lorine Barkman ........................ Spartanburg
Susan MacKenzie Grubb ........................ Land O'Lakes, Fla.
*Yehezkel Halifa .......................... Bet-Ezra, Israel
Jill Elizabeth Kraft .......................... Frederick, Md.

Karin Ann Nielsen .......................... Knoxville, Tenn.
Myra Danell Pinckney ........................ Charleston
Jeffrey David Shaw .......................... E. Petersburg, Pa.

Medical Technology
Kelvin Alvelton Anderson ........................ Columbia
†Hyae-yeon Churchill .......................... Anderson
Nevine Anwar El-Bayadi ........................ Seneca
Lynda-Beth Hughes .......................... Orlando, Fla.

Microbiology
Alan Franklin Campbell ........................ Clinton
John Graham Hartwell ........................ Gaithersburg, Md.
Kalpana Kanapathy-Muthu ........................ Clemson
Vicky Lee Pearl .......................... Rock Hill

*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 Departmental Honors: The students so designated have earned a B or better in the six to twelve credits of honors work at the upper division level in a program designed by their department. They have maintained a minimum GPR overall of 3.40. They appear in the line of march with an honors medallion on an orange and purple ribbon.
Historical Statement

Clemson University is named for Thomas Green Clemson (1807-1888), who left the bulk of his estate to the State of South Carolina for the founding of the institution.

Thomas Clemson was born in Philadelphia in 1807 and educated at the Royal School of Mines in Paris (1828-1832). His early profession was that of a mining engineer; but circumstances diverted his interests into politics and the life of a southern planter, and he soon became an enthusiastic advocate of scientific agriculture. He had a career as a diplomat (charge d'affairs to Belgium, 1844-1852) and served as the first Superintendent of Agricultural Affairs in Washington (1860). As a scientist he published numerous articles in the fields of mining, chemistry, and agriculture. His varied activities included his assistance in the founding of the Maryland Agricultural College, his support of the Morrill Act, his leadership in South Carolina after the Civil War, and his part in founding Clemson University.

Thomas Clemson was the son-in-law of South Carolina's John C. Calhoun, a political figure of national importance during the first half of the nineteenth century. Mr. Calhoun's home, Fort Hill, is preserved on the Clemson Campus as a national shrine.

The academic program at Clemson College began in 1893 with an enrollment of 446. The first "college prospectus" announced only two four-year curricula, supplemented by two two-year preparatory courses. Today the University has ten major academic units. These are the College of Agricultural Sciences, the College of Architecture, the College of Commerce and Industry, the College of Education, the College of Engineering, the College of Forest and Recreation Resources, the College of Liberal Arts, the College of Nursing, the College of Sciences, and the Graduate School.

The institution is an accredited member of the Southern Association of Colleges and Schools; various curricula are accredited by the National Architectural Accrediting Board, National League for Nursing, Society of American Foresters, American Assembly of Collegiate Schools of Business, Accreditation Board for Engineering and Technology, and National Council for Accreditation of Teacher Education.

Clemson is a land-grant institution. As such, it is engaged not only in its primary academic program, but does extensive research at the main campus and at five agricultural experiment stations located in the State. The University is also heavily committed to a varied program of public service, including the work of agricultural extension which has professional personnel located in each of the State's counties.
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 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.