MINUTES
of the
GENERAL FACULTY
of
The Clemson Agricultural College

January 30, 1953 — September 6, 1954
MINUTES OF GENERAL FACULTY MEETING

Friday, January 30, 1953

The general faculty of Clemson College met in the Chemistry Building auditorium at 4:10 P.M. on Friday, January 30, 1953, with President Poole presiding.

Following the reading by the secretary of the minutes of the preceding meeting, Mr. Metz, the Registrar, gave some information concerning the action taken by the Deans and Directors at their meeting held earlier in the day.

The President then recognized Dr. H. P. Cooper, Dean of the School of Agriculture, who moved that the tentative list of candidates from his school, including the name of Mr. C. D. Buckles but excluding the name of Mr. A. L. Price, be approved.

In the discussion which followed, it was stated that Mr. Buckles had received an F on M-S 405 and that as a result he had fallen one credit short of the required minimum. Mr. Metz, in answer to questions, stated that Mr. Buckles' grade point ratio was approximately three and that at times in the past, under special circumstances, degrees had been awarded to candidates who fell short 1/3, 2/3, or one credit.

Dean Kinard asked that the motion be divided so that the faculty might vote on the list with Mr. Buckles' name excluded.

Dean Cooper then amended his motion as suggested, and the tentative list as thus amended was approved.

On motion of Dean Cooper, seconded by Dean Washington, the faculty then voted 71 to 54 to award Mr. Buckles his degree.

Dean Kinard moved that the candidates from the School of Arts and Sciences, as listed on the appended sheet, be approved. It was so voted.

Dean Sams moved that the list of candidates from the School of Engineering, with the name of Mr. P. P. Tompkins retained and with the other names listed on the
Minutes of General Faculty Meeting
Fri., Jan. 30, 1953

"Temporary Delation List" removed, be approved. It was so voted.

Dean Washington moved that the tentative list of candidates from the School of Education, including the name of Mr. C. B. Huggin, be approved. It was so voted.

Dean H. M. Brown, of the School of Textiles, moved that the list of candidates from his school, as amended by the list of deletions, be approved. It was so voted.

Dr. H. J. Webb, Dean of the Graduate School, moved that the three candidates for the Master's degree listed on the tentative roll be awarded their degrees. It was so voted.

The President stated that while one should not be guided too much by sympathy, he realized that the deans had a real problem when a candidate for a degree fell short by only one or two credits, especially in view of the fact that Clemson College requires twenty or twenty-five more credit hours than are required by a great many colleges.

He stated that at that time there seemed to be prospects of favorable legislative action in regard to appropriations.

Professor B. E. Goodale announced plans for Religious Emphasis Week to be observed Feb. 10 - Feb. 13.

Mr. Metz called attention to the mid-year commencement exercises to be held in the College auditorium on Sunday afternoon, Feb. 1, beginning at three o'clock.

The meeting was then adjourned at 5: P.M.

Respectfully submitted,

J. C. Green

J. C. Green

Secretary
## PRELIMINARY LIST

**FEBRUARY 1, 1953**

### CANDIDATES FOR BACHELORS' DEGREES

#### SCHOOL OF AGRICULTURE

**BACHELOR OF SCIENCE DEGREE**

**Agriculture—Agricultural Economics Major**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>School of Agriculture</th>
</tr>
</thead>
<tbody>
<tr>
<td>James Blake Caudill</td>
<td>Ronda, N. C.</td>
<td>James Kenneth Wilson</td>
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<tr>
<td>*Philip Dunlin Dukes</td>
<td>Reevesville</td>
<td>Thomas Stanichok Rogan, Jr.</td>
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<tr>
<td>James Evanline Hays</td>
<td>Ebhardt</td>
<td>Claude Boyd Smith, Jr.</td>
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<tr>
<td>John Pheonix Livingston</td>
<td>Springfield</td>
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**Agriculture—Agronomy Major**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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</tr>
</thead>
<tbody>
<tr>
<td>James Kenneth Wilson</td>
<td>Ronda, N. C.</td>
<td>James Kenneth Wilson</td>
</tr>
<tr>
<td>*Philip Dunlin Dukes</td>
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**Agriculture—Animal Husbandry Major**

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<tr>
<th>Name</th>
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<tr>
<td>James Kenneth Wilson</td>
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<td>James Evanline Hays</td>
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**Agriculture—Dairy Major**

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<tr>
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<tbody>
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<td>James Kenneth Wilson</td>
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<td>James Kenneth Wilson</td>
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<td>Thomas Stanichok Rogan, Jr.</td>
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<td>James Evanline Hays</td>
<td>Ebhardt</td>
<td>Claude Boyd Smith, Jr.</td>
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<td>John Pheonix Livingston</td>
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**Agriculture—Entomology Major**

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<tbody>
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<td>James Kenneth Wilson</td>
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<td>James Kenneth Wilson</td>
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<td>*Philip Dunlin Dukes</td>
<td>Reevesville</td>
<td>Thomas Stanichok Rogan, Jr.</td>
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<tr>
<td>James Evanline Hays</td>
<td>Ebhardt</td>
<td>Claude Boyd Smith, Jr.</td>
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<tr>
<td>John Pheonix Livingston</td>
<td>Springfield</td>
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**Agriculture—Horticulture Major**

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<tr>
<th>Name</th>
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</thead>
<tbody>
<tr>
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<td>James Kenneth Wilson</td>
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<td>Thomas Stanichok Rogan, Jr.</td>
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<td>Ebhardt</td>
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<tr>
<td>John Pheonix Livingston</td>
<td>Springfield</td>
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### SCHOOL OF ARTS AND SCIENCES

**BACHELOR OF SCIENCE DEGREE**

**Arts and Sciences**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>School of Agriculture</th>
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<tbody>
<tr>
<td>Joseph Leonard Boswell</td>
<td>Shreveport, LA.</td>
<td></td>
</tr>
<tr>
<td>*Everette Winston Noel</td>
<td>Mountville</td>
<td></td>
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<tr>
<td>George Thomas Rodgers</td>
<td>Pittsburgh, Pa.</td>
<td></td>
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<tr>
<td>Jack Dent Early</td>
<td>Florence</td>
<td>Thomas Eugene Skelton</td>
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**Pre-Medicine**

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<tr>
<th>Name</th>
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<tr>
<td>Marion Ray Gillespie</td>
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### SCHOOL OF EDUCATION

**BACHELOR OF SCIENCE DEGREE**

**Education**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Joseph Edward Bryant</td>
<td>Savannah, Ga.</td>
<td></td>
</tr>
<tr>
<td>Henry Grady Hollingsworth, Jr.</td>
<td>Great Falls</td>
<td>William Carl Still</td>
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<tr>
<td>Joe Edward Land</td>
<td>Clinton</td>
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**Industrial Education**

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<tr>
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<tbody>
<tr>
<td>Cecil Lewis Dempsey</td>
<td>Orangeburg</td>
<td>George Owen Smith, Jr.</td>
</tr>
<tr>
<td>Holl Ferguson Nunnery</td>
<td>Chester</td>
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</table>

**Vocational Agricultural Education**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>Ray Clayton Brown</td>
<td>Townsville</td>
<td>Charles Bennett Huggin</td>
</tr>
<tr>
<td>Thomas Newton Crenshaw</td>
<td>Seneca</td>
<td>Raymond Leroy Kelly</td>
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<tr>
<td>Edward Garnett Currie</td>
<td>Lake View</td>
<td>Clyde Cornelius Lucas</td>
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<tr>
<td>Warren Crawford Davis</td>
<td>Furman</td>
<td>George Fletcher Stanley</td>
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<tr>
<td>Edward Duane Howey</td>
<td>Fort Mill</td>
<td>George Fletcher Stanley</td>
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### SCHOOL OF ENGINEERING

**BACHELOR OF SCIENCE DEGREE**

**Agricultural Engineering**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
<tr>
<td>James Ralph Ballentine, Jr.</td>
<td>Anderson</td>
<td></td>
</tr>
<tr>
<td>Robert Lee Beach</td>
<td>Walterboro</td>
<td></td>
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<tr>
<td>John Richard Cauthen</td>
<td>Heath Springs</td>
<td></td>
</tr>
<tr>
<td>Paul Cochran</td>
<td>Clemson</td>
<td></td>
</tr>
</tbody>
</table>

(Agricultural Engineering is jointly administered by the School of Agriculture and the School of Engineering.)
ARCHITECTURAL ENGINEERING

Lawrence Craig Childs Columbia Theodore Willingham Melphrus Ridgeland

LAWRENCE CRAIG CHILDS

Architecture

Charles Thomas Aabellle Graniteville Walter Hood Simmons Long Island City, N. Y.

BACHELOR OF CERAMIC ENGINEERING DEGREE


BACHELOR OF CIVIL ENGINEERING DEGREE

Aaron Brooks Anthony Phoenix, Ariz. William Errol Hulse Westminster

*Henry Bokley Burton Clinton Robert Neil Johnson, Jr. Marion

Jacqueline Benjard Cooper Gray Court Phillip Lamar Keeler Loveland, Ga.

Otto Lewis Freudenbenzer, St. Petersburg, Fla. Lawrence Marion Randolph Anderson

Samuel Jasper Grant, Jr. Darlington Boykin Carrey Smith Greenwood

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

James Hollie Beall Chicago, Ill. Lee Mine Walla Walla

Billie Lee Bolick Brookfield, N. C. *Buhlwee Pitts Mosesley Union

Richard Cole Dwight, Jr. Sumter Herbert Marshall Theisen Greenwood

Carl Harris Ellison, Jr. Spartanburg Arthur Allen Walsh Jr. West Englewood, N. J.


Francis Stanley Kendra, Jr. Ford City, Pa. Joe Charles Tribble Greenwood

BACHELOR OF MECHANICAL ENGINEERING DEGREE

William Henry Camp Etiwilt James McKinney, Jr. Greenville

Thomas Wendell Cole Beth Springs Zelotes Holmes Cranges Greenwood

Grody Cherry Floyd, III McLean Oliver Reagin Rowe, Jr. Charlotte, N. C.

Joseph Milton Hammond Gulfney Paul Parks Tompkins Summerville

Henry Edward Hester Colhoun Falls

James Alton Hinson Lynchburg

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

SCHOOL OF TEXTILES

Textile Chemistry

Peter August Cook Spartanburg

Textile Engineering

Calvin Keith Bailey Lockhart Patterson Neely Harvey Clover

Textile Manufacturing

*William Davis Amsp "Clemson

Harold Augusta Blankenski, Jr. Amityville, N. Y.

Charles Ray Boog Springfield

Gusty Foster Boone Orangeburg

***Leonard George Boyd Manor, Iowa

Walter Jerry Connell Greenville Robert Inman Howard Greenwood

Rodolfo Alfredo David Guatemala City, Guatemala

Claude Dunn Rock Hill Lloyd John Lunk Greenville

James Donald Evans West Orange, N. J. Paul Spencer Morris Charlotte, N. C.

Arthur Teague Graham Orangeburg William Hendee Moore Charlotte, N. C.

William Aiken Greggs Clearwater Charles Eugene Mundy Ware Shoals

Billy Gerald Harmon Newberry Walter Rollins, Jr. Kershaw

Charles Robert Hotcher Graniteville Robert Luther Small Conard, N. C.

Eugene Bellman Spross Travelers Rest

Edwin Eric Sundberg Reading, Pa.

Ernest Jones Washington, Jr. Pebus

VERNON MACE WILLIAMS ENOREE

CANDIDATES FOR MASTERS’ DEGREES

FEBRUARY 1, 1953

SCHOOL OF EDUCATION

MASTER OF SCIENCE DEGREE

Education

Jennings Bryan Christopher Union

Vocational Agricultural Education

I. T. Black Lee County

SCHOOL OF TEXTILES

MASTER OF SCIENCE DEGREE

Textile Chemistry

Samuel Williams Boddie Charleston
THE CLEMSON AGRICULTURAL COLLEGE
Registrar's Office
January 30, 1953

Revision of Preliminary List of Candidates for Degrees

1. Honor Graduates:

The final cumulative grade point ratio list of candidates for graduation supersedes the footnotes concerning honor graduates on the preliminary list.

2. Temporary Retention on Printed List:

School of Education
Charles Bennett Huggin - - Vocational Agricultural Education

3. Temporary Deletions from Printed List:

School of Agriculture
Carlton Davis Buckles - - Animal Husbandry
Andre Lanier Price - - Animal Husbandry

School of Engineering
Charles Thomas Asbelle - - Architecture
Richard Coles Dwight, Jr. - - Electrical Engineering
Lee Mize - - Electrical Engineering
Herbert Marshall Thelen - - Electrical Engineering
Pat Parks Tompkins - - Mechanical Engineering

School of Textiles
Calvin Keith Bailey - - Textile Engineering
William Hendee Moore - - Textile Manufacturing
Walter Rollins, Jr. - - Textile Manufacturing
# FINAL CUMULATIVE GRADE POINT RATIOS OF CANDIDATES FOR GRADUATION

February 1, 1953

<table>
<thead>
<tr>
<th>Name</th>
<th>G. P. R.</th>
<th>Major Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>With Highest Honor *** 8.50 and above</strong></td>
<td></td>
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<tr>
<td>Leonard George Boyd</td>
<td>8.66</td>
<td>TM</td>
</tr>
<tr>
<td><strong>With High Honor ** 7.50 - 8.49</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Karl E. Nelson</td>
<td>7.52</td>
<td>CrEn</td>
</tr>
<tr>
<td><strong>With Honor * 6.00 - 7.49</strong></td>
<td></td>
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<tr>
<td>William Davis Asnip</td>
<td>6.87</td>
<td>TM</td>
</tr>
<tr>
<td>Henry Blakely Burton</td>
<td>6.38</td>
<td>CE</td>
</tr>
<tr>
<td>Philip Duskin Dukes</td>
<td>6.70</td>
<td>Agron</td>
</tr>
<tr>
<td>Jack Dent Early</td>
<td>6.04</td>
<td>Ent</td>
</tr>
<tr>
<td>John Patrick Fulmer</td>
<td>6.66</td>
<td>Hort</td>
</tr>
<tr>
<td>Marion Ray Gillespie</td>
<td>6.33</td>
<td>Pre-Med</td>
</tr>
<tr>
<td>Boulware Pitts Moseley</td>
<td>6.15</td>
<td>EE</td>
</tr>
<tr>
<td>Everette Winston Noel</td>
<td>7.20</td>
<td>A&amp;S</td>
</tr>
<tr>
<td>Richard George Rion</td>
<td>6.34</td>
<td>CrEn</td>
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Minutes of General Faculty Meeting

Friday, May 5, 1953

The general faculty of Clemson College met in the Chemistry Building Auditorium at 5 o'clock on Friday, May 7, 1953, with President Poole presiding.

Deans Cooper, Kinard, Hunter, Washington, Sams, Brown, and Webb moved that the tentative lists of candidates from their respective schools as amended by the appended lists of deletions be approved. It was so voted.

Dr. D. C. Sheldon, Chairman of the Committee on Scholarship and Honors, moved that two Norris Medals be awarded this year - one to William O'Byrne, a veteran, and the other to Forrest E. Cookson, Jr., a cadet. It was so voted.

The President stated that he felt that scholarship had improved this year and that he wished to express to the faculty his appreciation of their efforts.

He stated that the building program was in a fluid state but that he expected that the construction of agricultural buildings would be begun in the near future.

Mr. J. C. Green moved that it was the sense of the faculty that a majority of the members would like for the Faculty Council to make a close study of the following paragraphs in the grade point regulations of Michigan State College:

"Grade Point Averages:
(a) To compute term grade point average, the total points will be divided by the total credits carried. Credits carried shall be defined as the total credits earned, failed, and conditioned.

(b) Cumulative: To compute the cumulative grade point average, the total points will be divided by the total credits carried. Total credits carried shall be defined to be the sum of total credits earned, failed, and conditioned. In case courses have been repeated, only the last grade, credits, and points are considered."

The Registrar, Mr. Metz, stated that there was no doubt in his mind but that the proposed grade point ratio plan should be amended but that he did not think that any idea advanced by an individual member of the faculty or any specific plan should be made the basis of a motion. He then moved that the motion be tabled. The motion to table lost by a vote of 53 to 58. The original motion was then adopted without a dissenting vote.

Mr. Metz announced that baccalaureate exercises would be
held in the Field House at 11:30 a.m. on Sunday, June 7, and that commencement exercises would be held in the Outdoor Theater at 5 P.M. that afternoon.

The meeting was then adjourned at 5:50 P.M.

Respectfully submitted,

J. C. Green, Secretary
The
Clemson Agricultural College

PRELIMINARY LIST
of
CANDIDATES FOR DEGREES

Registrar’s Office
June 1, 1953

CANDIDATES FOR BACHELORS’ DEGREES

SCHOOL OF AGRICULTURE
BACHELOR OF SCIENCE DEGREE

Agriculture—Agricultural Economics Major
James Gladney McGee, Jr. Hartsville

Agriculture—Agronomy Major

Robert Luther Ashley, Jr. Honea Path
Alan Dean Boggs Seneca
Jennings Bryan Elliott Nicholls
Jackson Lee Finke, Jr. Swansett
*James Philip Flavin De Land, Fla.

*John Aycock Graham Scranton
Charles Ronald Grainger Nichols
Laurie Coke Lawson Darlington
*Peter LeRoy McColl, Jr. Hartsville
Harry Blondel Stoudemire Santee

Agriculture—Animal Husbandry Major

Carl Willis Ackerman Cottageville
Roy Lee Bivins Atlanta, Ga.
Gary Evans Byrd, Jr. Hartsville
James Barclay Crawford Kelso, Tenn.
Joe Privette Dickson Columbia
James Oliver Donkle Pauline
Thomas Brockman Earle, Jr. Savannah, Ga.
Butler Reese Erod Piedmont
James Tappart Hester Colhoun Falls
Robert Barney Harris Hicks Hartsville
Robert Thomas Hollingsworth Cross Hill
Marion Luther Jones Lusoff

Walker Bennett Kirkpatrick Winnaboor
Billy Dew Moody Dillon
Robert Benton Nickles Hodges
James Samuel O’Neal Blenheim
James Marvin Parnell Timmonsville
Andre Lanier Price Spartanburg
Laverne Royals Conway
Walker Evans Tumbleston, Jr. Summerville
Loren Waldmer Webb Ridgefield
Lucas Carroll Weekley Varnville
Ruel Leaton Wilson, Jr. Wapoo
Roy David Wingard Lexington

Agriculture—Dairy Major

William Rhexben Bellamy Loris
Rufus Thornwell Dunlap, Jr. Clinton
Thomas Ramsey Hawkins Greenwood
Aaron Whitney Leland Wadmalaw Island

Milledge Davis Shall, Jr. Wagener
*John Benjamin Stanley Conway
William Franklin Stewart, Jr. Fountain Inn
*James Robert Talbert Anderson

Agriculture—Entomology Major

Vance Albert Loy Florence

Agriculture—Horticulture Major

William Elliott DeLoache, III Columbia
Robert Ernest Froelich Allendale, N. J.
Wil1on Jason Gibson, Jr. Greer

Alexander Campbell McLeod McBee
Earle Richard Taylor, Jr. Greer

Agriculture—Poultry Major

Howard Neal Rawl Gilbert
SCHOOL OF ARTS AND SCIENCES
BACHELOR OF SCIENCE DEGREE

Arts and Sciences
Miles Elliott Bruce ------------------- Greenville
James Gilbert Campbell ................. Greenville
John Glenn Cogart, Jr. ................. Columbus, Ga.
Roby Eugene Crouch, Jr. ...... St. Petersburg, Fla.
Thomas Franklin Eskew ............... Anderson
Carroll Allen Gibson ..................... Greenville
Thomas Judson Gibson ................. Hanimaway
John Maxey Gregg ....................... Hanimaway

BACHELOR OF SCIENCE DEGREE

Miles Elliott Bruce ------------------- Greenville
James Gilbert Campbell ................. Greenville
John Glenn Cogart, Jr. ................. Columbus, Ga.
Roby Eugene Crouch, Jr. ...... St. Petersburg, Fla.
Thomas Franklin Eskew ............... Anderson
Carroll Allen Gibson ..................... Greenville
Thomas Judson Gibson ................. Hanimaway
John Maxey Gregg ....................... Hanimaway

General Science
Jonathan Hoke Murphree ............. Salem

Industrial Physics
John Rawls, Jr. ......................... Rock Hill

Pre-Medicine
Eugene Middleton Baker, Jr. ......... Columbia
James Davis Connor ...................... Wallenboro
Ralph Strong Howard, III ............ Albany, Ga.

BACHELOR OF SCIENCE DEGREE

Chemistry
*Samuel Wingard Bookhart, Jr. ... Kingstree
John Clark Derrick ..................... Walhalla
Ronald Francis Krisacik .............. Carteret, N. J.

SCHOOL OF CHEMISTRY
BACHELOR OF SCIENCE DEGREE

Chemistry
*Samuel Wingard Bookhart, Jr. ... Kingstree
John Clark Derrick ..................... Walhalla
Ronald Francis Krisacik .............. Carteret, N. J.

General Science
Jonathan Hoke Murphree ............. Salem

Industrial Physics
John Rawls, Jr. ......................... Rock Hill

Pre-Medicine
Eugene Middleton Baker, Jr. ......... Columbia
James Davis Connor ...................... Wallenboro
Ralph Strong Howard, III ............ Albany, Ga.

BACHELOR OF SCIENCE DEGREE

Chemistry
*Samuel Wingard Bookhart, Jr. ... Kingstree
John Clark Derrick ..................... Walhalla
Ronald Francis Krisacik .............. Carteret, N. J.

SCHOOL OF CHEMISTRY
BACHELOR OF SCIENCE DEGREE

Chemistry
*Samuel Wingard Bookhart, Jr. ... Kingstree
John Clark Derrick ..................... Walhalla
Ronald Francis Krisacik .............. Carteret, N. J.

Education
Thomas Everett Barton, Jr. ............ Lancaster
Mack Carison Brant, Jr. ............... Columbia
George William Dargum ............... Darlington

Industrial Education
Robert Ray Bell .......................... Pelzer
Edgar Miles Berry ...................... North Charleston
James Howard Boyd ...................... York

SCHOOL OF EDUCATION
BACHELOR OF SCIENCE DEGREE

Education
Thomas Everett Barton, Jr. ............ Lancaster
Mack Carison Brant, Jr. ............... Columbia
George William Dargum ............... Darlington

Industrial Education
Robert Ray Bell .......................... Pelzer
Edgar Miles Berry ...................... North Charleston
James Howard Boyd ...................... York

Vocational Agricultural Education
James Douglas Beam .............. Cherryville, N. C.
Carroll Heaps .......................... Lugay
David Wister Howse .................... Hickory Grove

SCHOOL OF ENGINEERING
BACHELOR OF SCIENCE DEGREE

Agricultural Engineering
(Agricultural Engineering is jointly administered by the School of Agriculture and the School of Engineering)

Robert Clinton Carroll, Jr. .......... Florence
Alvin Edison DeWitt ............ Darlington
William Cowan Ervin .............. Florence
William Hester Mitchell .... Mt. Pleasant

Architectural Engineering
Wilson Whitaker Blackmon .... Columbus, Ga.

SCHOOL OF ENGINEERING
BACHELOR OF SCIENCE DEGREE

Agricultural Engineering
(Agricultural Engineering is jointly administered by the School of Agriculture and the School of Engineering)

Robert Clinton Carroll, Jr. .......... Florence
Alvin Edison DeWitt ............ Darlington
William Cowan Ervin .............. Florence
William Hester Mitchell .... Mt. Pleasant

Architectural Engineering
Wilson Whitaker Blackmon .... Columbus, Ga.
BACHELOR OF ARCHITECTURE DEGREE

Charles Thomas Asbel III, Grantsville
Charles Lyman Bates, Jr., Charlotte, N.C.
Robert Clifford Beattie, Jr., Augusta, Ga.
*Robert Ellwood Birkin, Baltimore, Md.
Ward Vernon Buzzell, Augusta, Maine
Robert Bryan Conen, Jr., Spartanburg
Edwin Rivers Carroll, Jr., Aiken

BACHELOR OF CHEMICAL ENGINEERING DEGREE

Sidney Milton Heatley, Moncks Corner
Dewey Hobson Bouchillon, Jr., Greenville
William Washington Coogler, Jr., Chester
Herbert Leroy Varn, Columbia
Sydney Milton Heatley, Moncks Corner
Donald Eugene Taylor, Lexington

BACHELOR OF CIVIL ENGINEERING DEGREE

Clifton Pope Coleman, Jr., Greenwood
Franklin La Fonnie Fletcher, Rock Hill
Walter Christian Genseth, Brooklyn, N.Y.
Fred Ansel Greene, Columbia
*William Jones Hodges, Wore Shoals

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

Joseph Jenkins Anderson, Lowrys
Richard Coles Wright, Jr., Sumter
Bobby Keith Paulkenberry, Greenville
James Cecil Fletcher, Union
Herbert William Fletcher, McColl
*Harvey Dawson Gamberl, Pendleton
August Henry Gorse, III, Charleston
John Francis Haltz, Savannah, Ga.
Cecil Edward Hall, Anderson
Milan Winford Holcombe, Central

BACHELOR OF MECHANICAL ENGINEERING DEGREE

William Conner Archer, Bristol, Tenn.
John Willard Burton, Jr., Atlanta, Ga.
Paul Everett Baxley, Washington, D.C.
*Richard Mendenhall Berry, Charleston
Audley Lee Blessing, Kingsport, Tenn.
Martin Harrison Geiger, Fairfax
Robert Dexter Guyton, Williamsburg
James Myron Hanna, Mooresville, N.C.
John Alexander Hoover, Jr., North Charleston
Joel Pinkney Hudson, Decatur, Ga.
*William Tilden Hughes, Aiken
Edward Theodore Johnson, Florence
John Julius LaRoche, Charleston
David Louis Milling, Haddonfield, N.J.

BACHELOR OF BIOLOGICAL ENGINEERING DEGREE

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Harry William Hughes, Jr., Augusta, Ga.
John David Leach, Blacksburg
Milan Eugene Pate, Winnabro

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Edward Theodore Johnson, Florence
John Julius LaRoche, Charleston
David Louis Milling, Haddonfield, N.J.

BACHELOR OF BIOLOGICAL ENGINEERING DEGREE

Thomas Ernest Giolocca, Bethesda, Md.
Harry William Hughes, Jr., Augusta, Ga.
John David Leach, Blacksburg
Milan Eugene Pate, Winnabro
Textile Manufacturing

David Treadwell Arnold Clanton, Ala.
James Henry Bishop Ware Shoals
Harold Estes Blackwell Gaffney
William Russell Bridges Simpsonville
Leonard Clator Butler Laurens
Charles Cooper Calhoun Laurinburg, N. C.
Harold Thomas Campbell Chester
James Frederick Claffy Spartanburg
Jack Carroll Crumpton Greenville
Adolphus Gerald Dempsey, Jr. Anderson
Wilson Lamar Fabian Charleston
David Edward Featherstone Hendersonville, N. C.
Rossie Robert Fowler Laurens
Heyward Furman Galloway, Jr. Hartsville
Manning Hayes Garren Greer
Robert Lewis Garrison Pelzer
Ernest Jones Gilliland Drayton
Toy Charles Gossett Fort Mill
William Hall Gray, Jr. Greenville
Arthur Byron Hair, III Williamston
Claude Bartow Her, Jr. Greenville

* With honor
** With high honor
*** With highest honor

CANDIDATES FOR MASTERS' DEGREES

SCHOOL OF AGRICULTURE
MASTER OF SCIENCE DEGREE
Agricultural Economics
Robert DeWayne Ward Columbiana, Ohio

SCHOOL OF ARTS AND SCIENCES
MASTER OF SCIENCE DEGREE
Physics
Robert Brown Nelson Olivia, N. C.

SCHOOL OF ENGINEERING
MASTER OF CIVIL ENGINEERING DEGREE
Edward Ford Byars Clemson

SCHOOL OF EDUCATION
MASTER OF SCIENCE DEGREE
Vocational Agricultural Education
Ludy James Blackley, Jr. Besseley
John Hastings Rodgers Lake City
THE CLEMSON AGRICULTURAL COLLEGE

Registrar's Office

June 5, 1953

REVISION OF PRELIMINARY LIST OF CANDIDATES FOR DEGREES

1. **Deletions from List:**

   The preliminary list of candidates for graduation is revised by deleting the names of the following candidates:

   **School of Agriculture**
   Loren Waldmer Webb—Animal Husbandry

   **School of Textiles**
   John Livingston O'shields—Textile Engineering

2. **Changes in Preliminary Honor Designations:**

   The preliminary list of candidates for graduation is revised by making the following changes in honor designations:

   Robert Merrel Cook—TE—from honors to graduation without honor designation.
   Forrest Eugene Cookson, Jr.—A&S—from highest honor to high honor.
   James Philip Flavin—Agron—from honor to high honor.
   John Charles Wood—ME—from honors to graduation without honor designation.
Minutes of General Faculty Meeting -- Friday, June 7, 1953

(Copies of these minutes are being distributed in accordance with a motion adopted at a meeting of the General Faculty held on August 14, 1953.)

The general faculty of Clemson College met in the Chemistry Building Auditorium at 5 o'clock on Friday, June 7, 1953, with President Poole presiding.

Deans Cooper, Kinard, Hunter, Washington, Sams, Brown, and Webb moved that the tentative lists of candidates from their respective schools as amended by the appended lists of deletions be approved. It was so voted.

Dr. D. C. Sheldon, Chairman of the Committee on Scholarship and Honors, moved that two Norris Medals be awarded this year - one to William O'Byrne, a veteran, and the other to Forrest E. Cookson, Jr., a cadet. It was so voted.

The President stated that he felt that scholarship had improved this year and that he wished to express to the faculty his appreciation of their efforts.

He stated that the building program was in a fluid state but that he expected that the construction of agricultural buildings would be begun in the near future.

Mr. J. C. Green moved that it was the sense of the faculty that a majority of the members would like for the Faculty Council to make a close study of the following paragraphs in the grade point regulations of Michigan State College:

"Grade Point Averages:
(a) To compute term grade point average, the total points will be divided by the total credits carried. Total credits carried shall be defined as the total credits earned, failed, and conditioned.

(b) Cumulative: To compute the cumulative grade point average, the total points will be divided by the total credits carried. Total credits carried shall be defined to be the sum of total credits earned, failed, and conditioned. In case courses have been repeated, only the last grade, credits, and points are considered."

The Registrar, Mr. Metz, stated that there was no doubt in his mind but that the proposed Clemson grade point ratio plan should be amended but that he did not think that any idea advanced by an individual member of the faculty or any specific plan should be made the basis of a motion. He then moved that the motion be tabled. The motion to table lost by a vote of 53 to 58. The original motion was then adopted without a dissenting vote.

Mr. Metz announced that baccalaureate exercises would be held in the Field House at 11:30 a.m. on Sunday, June 7, and that commencement exercises would be held in the Outdoor Theater at 5 p.m. that afternoon.

The meeting was then adjourned at 5:30 p.m.

Respectfully submitted,
J. C. Green, Secretary
MINUTES OF GENERAL FACULTY MEETING

Friday, August 14, 1953

The general faculty of Clemson College met in the Chemistry Building Auditorium on Friday, August 14, 1953, at 4:05 p.m., with Dean H. M. Brown presiding in the absence of President Poole.

Following the reading by the secretary of the minutes of the preceding meeting, Dean Brown recognized Dean Farrar, Dean Kinard, Dean Washington, Dean Sams, Professor Gage, and Dean Webb, who moved that the preliminary list of candidates from their respective schools be approved. It was so voted. A copy of this list is appended.

The Registrar, Mr. Metz, called attention to the fact that there were no changes or deletions to be considered. He called attention to the commencement exercises to be held in the Outdoor Theatre at 6 p.m. on Saturday, August 15, and asked that the faculty assemble in Tillman Hall at 5:30 p.m.

Lt. Col. James B. Jones stated that he did not wish to end his tour of duty without expressing his appreciation of the cooperation and courtesies shown him during his stay at Clemson.

On motion of Dean Washington, the faculty voted that the minutes of the June meeting be mimeographed by the Registrar's office and distributed to all members of the faculty.

The meeting was then adjourned at 4:20 p.m.

Respectfully submitted,

Joseph C. Green, Secretary
Preliminary List
August 15, 1953

Candidates for Bachelor's Degrees

School of Agriculture
Bachelor of Science Degree
Agriculture—Agricultural Economics Major
Paul Warren Coleman — Mountville

Agriculture—Agronomy Major
David Neil Chamblee — Anderson
Curtis Parker Ireland — Savannah, Ga.

Agriculture—Animal Husbandry Major
Stephen Henry Anderson, Jr. — Timmonsville
Carroll Ray Richardson — Chapin
Joe Ephrome Bonds — Fountain Inn
Robert Bruce Watson — Loris
Jesse Carson DeBruhl — Varnville
Loren Waldimer Webb — Ridgeland
Carl Wayne Hance — Heath Springs
Frank Donald White — Inman
James Madison Jameson — Liberty
Grady Louis Whitlauw — North Augusta

Agriculture—Entomology Major
John Kent Thomas — Chadbourn, N. C.

Agriculture—Poultry Major
Charles Franklin Risber — Clio

School of Arts and Sciences
Bachelor of Science Degree
Arts and Sciences
James Kelly Edwards — Saluda
James Gregorie Sams, Jr. — Charleston
Harry Lynn Parker — Spartanburg

Industrial Physics
Richard Austin Branham — Atlanta, Ga.
Dwight Ralph Hutchenson — Wagener

School of Education
Bachelor of Science Degree
Education
Harold Lester Drennon, Jr. — Pelzer

Industrial Education
Fred Mack Gregory, Jr. — Spartanburg

Vocational Agricultural Education
Luther David Coleman — Lynchburg
Edgar Mitchell Holden — Brevard, N. C.
Everett Pinckney Collier — Hartsville
James Douglas Morett — Tamassee
Chalmers Luke Godwin, Jr. — Summerton
Parker Watson Hall — Pendleton

School of Engineering
Bachelor of Science Degree
Architectural Engineering
Robert Marion Smith — Greenville

Architecture
David Waldo Sedberry — Hartsville

Bachelor of Ceramic Engineering Degree
Leon Benford Herring — Dillon

Bachelor of Civil Engineering Degree
Lawrence Gignilliat Adams — Seneca
Paul William Crenshaw — Westminister
Ralph Duncan Johnson, Jr. — Charlotte, N. C.

David Earle Peterson, Jr. — Chester
Charles Thornton Thomas — Walhalla
BACHELOR OF ELECTRICAL ENGINEERING DEGREE

William Franklin Armstrong ----------- Honea Path
James Franklin Callaham, Jr. ----------- Atlanta, Ga.
James Donald Gissendanner ----------- Columbia
James Milton Glenn ------------------ Anderson
Thomas Gifford Heron ------------------ Greer

BACHELOR OF MECHANICAL ENGINEERING DEGREE

Guido Luis Chibas -------------- Guantanamo, Cuba
Allen Norman Martin ----------- Winston-Salem, N. C.

SCHOOL OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Chemistry
Ralph Alexander Jackson ------------- Kingstree
Carroll Franklin Holmes, Jr. ------------- Greenville
Harold McSwain Bollew, Jr. ------------- Greenville
James McElhenny Carson ------------------ Kershaw
Minor Franklin Caithen -------------- Rock Hill
Horace Hembrow Clark --------- Greenville
Wilborn Cecil Compton ------------- Seneca
Harold Boynton Culley, Jr. ----------- Jerseyville, III.
Burley Bedford Davis --------------- Cowpens
William Jeremich Friddle ------------- Greenville
Phil L. Huff, Jr. ------------------ Greenville

Textile Engineering
John Livingston O'haileighs ------------- Clinton
James Donald Gissendanner ------------- Columbia
Henry Lee Patterson, Jr. ------------- Fort Mill
John Clifton Rentz ------------------ Varvville
Bill Morrell Rice ------------------ Hartwell, Ga.

SCHOOL OF AGRICULTURE

MASTER OF SCIENCE DEGREE

Agricultural Economics
Jeffie Verlon Minchew ------------- Waycross, Ga.
Animal Husbandry
Edward Clark Wallace ------------- Cheraw
Entomology
Louie Hampton Senn ------------- Clemson

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Organic Chemistry
James Raworth Salley ------------- Clemson

SCHOOL OF EDUCATION

MASTER OF SCIENCE DEGREE

Education
Ann King Bryant ------------- Lake Placid, Fla.
Alice Kathleen Burris ------------- Anderson
Lila Evans Clayton ------------- Clemson
Wickliffe Cook Hutchison ------------- West Union
Margaret A. McGee ------------- Anderson
Sara Elizabeth McCue ------------- Anderson
Louise Shearer Sanders ------------- Anderson

Vocational Agricultural Education
Peter Howard Dantzler ------------- Cameron
Alvin Hamilton Hawkins ------------- Aiken
Robert Maurice Jones ------------- Pendleton
Riley Franklin Nalley ------------- Seneca

SCHOOL OF ENGINEERING

MASTER OF MECHANICAL ENGINEERING DEGREE

Robert Lindsay Perry ------------- Clemson

CANDIDATES FOR MASTERS' DEGREES

AUGUST 15, 1953

SCHOOL OF AGRICULTURE

MASTER OF SCIENCE DEGREE

Agricultural Economics
Jeffie Verlon Minchew ------------- Waycross, Ga.
Animal Husbandry
Edward Clark Wallace ------------- Cheraw
Entomology
Louie Hampton Senn ------------- Clemson

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Organic Chemistry
James Raworth Salley ------------- Clemson

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MASTER OF SCIENCE DEGREE

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Alvin Hamilton Hawkins ------------- Aiken
Robert Maurice Jones ------------- Pendleton
Riley Franklin Nalley ------------- Seneca

SCHOOL OF ENGINEERING

MASTER OF MECHANICAL ENGINEERING DEGREE

Robert Lindsay Perry ------------- Clemson

* With honor
The general faculty of Clemson College met in the college Chapel on Tuesday, Sept. 8, 1953, at 1 p.m., with President Poole presiding.

Following the reading by the secretary of the minutes of the June and August meetings, the President stated that, in a recent reorganization of the School of Agriculture, Dr. M. D. Farrar had become Dean of Agriculture; that Dr. J. W. Jones, who had recently received his Ph. D. degree from Cornell University, had become Dean of Instruction; that Dr. D. W. Watkins would continue as Director of Extension; and that the post of Director of the Experiment Station had not yet been filled. He stated that there would be no change in the philosophy of the School of Agriculture or in the Extension Service and that the purpose of the reorganization had been to make possible a more efficient service of the interest of agriculture and industry in the state.

He then recognized Deans Farrar, Kinard, Hunter, Washington, Samu, and Brown, who introduced the new members of the faculty of their respective schools. He then recognized Dr. H. J. Webb, Dean of the Graduate School. He then recognized Col. F. J. Cookson and Col. L. W. Tull, who introduced the new additions to their respective staffs. A copy of the list of the recent additions to the college staff is appended to these minutes.

The President then welcomed the newcomers and expressed the hope that they would like the college, the community, and the region.

Professor John H. Gates, Head of the Department of Architecture, announced that Clemson had been fully accredited by the National Architectural Accrediting Board.

The President stated that the question of exempting students from examinations had been reopened and that a poll of faculty opinion on the subject would be taken. He stated that he would present to the Faculty Council the recommendations of the faculty in regard to the proposed Clemson grade point ratio system as outlined in the minutes of the June meeting, copies of which had been distributed to every member of the faculty in accordance with a resolution adopted by the August meeting of the general faculty.

Professor H. V. Poe invited all members of the faculty, especially the newcomers, to a meeting of the Sage Club to be held on Tuesday, Sept. 22, at 7:30 p.m.

Dr. W. G. Miller stated that a Naval Reserve Research Unit had been established at Clemson, and he invited anyone interested to communicate with him.

The President stated that in his nearly fourteen years at Clemson he did not think that he had ever persecuted anyone; that he had had the welfare of the faculty at heart; and that he would continue to serve their interests.
He announced that tickets for the concert series could be obtained from his office.

He announced that the annual faculty reception would be held at his home on the evening of Tuesday, Sept. 14 from 8 to 10 and expressed the hope that all would attend who did not have a prior engagement or what might be termed a better offer such as the possibility of attending the Pickens County Fair.

The meeting was then adjourned at 4:10 p.m.

Respectfully submitted,

Joseph C. Green

Joseph C. Green, Secretary
Minutes of General Faculty Meeting -- Friday, June 5, 1953

(Copies of these minutes are being distributed in accordance with a motion adopted at a meeting of the General Faculty held on August 11, 1953.)

The general faculty of Clemson College met in the Chemistry Building Auditorium at 5 o'clock on Friday, June 7, 1953, with President Poole presiding.

Deans Cooper, Kinard, Hunter, Washington, Sams, Brown, and Webb moved that the tentative lists of candidates from their respective schools as amended by the appended lists of deletions be approved. It was so voted.

Dr. D. C. Sheldon, Chairman of the Committee on Scholarship and Honors, moved that two Norris Medals be awarded this year - one to William O'Byrne, a veteran, and the other to Forrest E. Cookson, Jr., a cadet. It was so voted.

The President stated that he felt that scholarship had improved this year and that he wished to express to the faculty his appreciation of their efforts.

He stated that the building program was in a fluid state but that he expected that the construction of agricultural buildings would be begun in the near future.

Mr. J. C. Green moved that it was the sense of the faculty that a majority of the members would like for the Faculty Council to make a close study of the following paragraphs in the grade point regulations of Michigan State College:

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(a) To compute term grade point average, the total points will be divided by the total credits carried. Total credits carried shall be defined as the total credits earned, failed, and conditioned.

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The Registrar, Mr. Metz, stated that there was no doubt in his mind but that the proposed Clemson grade point ratio plan should be amended but that he did not think that any idea advanced by an individual member of the faculty or any specific plan should be made the basis of a motion. He then moved that the motion be tabled. The motion to table lost by a vote of 53 to 58. The original motion was then adopted without a dissenting vote.

Mr. Metz announced that baccalaureate exercises would be held in the Field House at 11:30 a. m. on Sunday, June 7, and that commencement exercises would be held in the Outdoor Theater at 5 p. m. that afternoon.

The meeting was then adjourned at 5:30 p. m.

Respectfully submitted,

J. C. Green, Secretary
September 1, 1953

THE PRESIDENT'S OFFICE

RECENT ADDITIONS TO THE COLLEGE STAFF

Bentley, George R. W., Jr., Associate Dairyman; B.S.A. University of Georgia; Baptist; Married, Pre-Fab 166.

Boykin, W. B. S., Associate Professor of Agronomy; B.S. Clemson College; Episcopalian; Married. (Will come October 1)

Carpenter, Kenneth E., Lt. Colonel USAF; University of Illinois; M.A. Ohio State; Presbyterian; Married.

Cavness, William D., Lieutenant Colonel USA; B.S. Oklahoma A. and M.; Baptist; Married.

Cochran, Paul, Plant Engineer; B.S. Clemson College; Baptist; Married; Fort Hill Apartments.

Crane, Gale M., M/Sgt-USAF; Episcopalian; Married; 7-B Clemson Homes.

Elrod, A. C., Instructor in Mechanics and Research Assistant; B.S. Clemson College; Baptist; Married; 8-E Clemson Homes.

Fernandez, L. P., Instructor in Chemistry; B.S. College of Charleston; Catholic; Single; Mell Apartments.

Graham, D. M., Associate in Dairying; B.Sc. Mississippi State College; M.Sc. and Ph.D Iowa State College; Presbyterian; Married; Pre-Fab 110.

Gunther, George W., Assistant Professor of Architecture; B.F.A. Washington University; M.F.A. Indiana University; Protestant; Married; Mell Apartments.

Hallford, J. S., Technical Sergeant USAF; Baptist; Married; Park's Trailer Court; Seneca Road.

Hicks, Ernest H., Lieutenant Colonel; B.S. and M.A. George Peabody College; University of North Carolina; University of Wisconsin; Presbyterian; Married; Pendleton, Route 1.

Jones, W. A., Extension Assistant Agricultural Engineer; B.S. Clemson College; Baptist; Married; 23 S. Elm Street, Pendleton.

Kennedy, John L., Jr., Captain; B.S. U. S. Military Academy; Methodist; Married; 8-A Clemson Homes.

Liberty, Earl S., Assistant Business Manager; B.S. Dartmouth College; Presbyterian; Married; Fort Hill Apartments.

Luna, B. C., Jr., 1st Lt. USAF; University of Alabama; Methodist; Married; Furman Apartments.

McCurley, Henry H., Captain; B.S. University of Georgia; Baptist; Married; 7-A Clemson Homes.
McLeod, H. E., Instructor in Agricultural Engineering; B.S. Clemson College; Methodist; Married; 212\(\frac{1}{2}\) Folger Street.

Nygard, Walter E., Major USA; B.S. U. S. Military Academy; Protestant; Married; Pendleton Highway.

Richey, D. J., Associate Poultry Pathologist; B.S. Iowa State College; M.S. Mississippi State College; Ph.D. Michigan State College; Presbyterian; Married; Temporary address - Mrs. Newman's residence, 112 Seneca Road.

Sloope, B. W., Assistant Professor of Physics; B.S. University of Richmond; M.S. and Ph.D. University of Virginia; Presbyterian; Married; Mell Apartments.

Smith, J. E., Instructor in Chemistry; B.S. College of Charleston; Episcopalian; Married; Newman Apartments, Seneca Road.

Stakely, J. O., Assistant Professor of Architecture; B.S. in Architecture Georgia School of Technology; Presbyterian; Married; Augusta Road.

Taylor, Donald A., Captain USA; A.B. Wofford College; Baptist; Married; Apartment 6-C Clemson Homes.

Wade, J. D., Assistant Coach; B.S. Clemson College; Baptist; Married; Pre-Fab 322.

Watson, William J., II; Sergeant First Class USA; Illinois State Normal University; Baptist; Married; Pre-Fab 89 Morrison Road.

Werner, Richard J., Colonel USA; B.S. in Architecture Texas A. and M.; Fontainbleau School of Fine Arts; Lutheran; Married. (Will come in November)

**Graduate Assistants**

Branham, R. A., Graduate Assistant in Physics; B.S. Clemson College; Presbyterian; Married; Pre-Fab 284.

Day, W. J., Graduate Assistant in Chemistry; B.S. College of Charleston; Baptist; Married; Pre-Fab 235.

Fuller, Kenneth, Graduate Assistant in Physics; B.S. University of Chattanooga; Presbyterian; Married; McMillan Apartment; 62 Folger Street.
FACULTY COMMITTEE REPORTS FOR 1952-1953

Admissions

Vickery, Chairman; Garrison, O. B., Gentry, Hobson, Langston, Lewis, Stanley.

The Committee on Admissions had numerous meetings during the past year for the purpose of considering appeals and admission policies with regard to students who did not meet the minimum requirements for continuing enrollment.

In June 1952, at the close of the 1951-1952 session, 342 students did not meet the requirements for continuing enrollment in September 1952. Of this number, 103 later became eligible by attending summer school at Clemson and elsewhere and by removing E's and I's from their records. In August, after the completion of the summer term, 239 students still remain ineligible for continuing enrollment at Clemson. Many appeals from this group were considered by the Committee on Admissions, with the result that 26 students were permitted to continue their enrollment. This left a total of 213 students ineligible to return to Clemson for the first semester of the 1952-1953 session. Of this number, 115 were first year students.

In June 1953, at the close of the 1952-1953 session, 297 students did not meet the requirements for continuing enrollment in September 1953. Of this number, 124 are attending summer school at Clemson and 25 are attending summer schools at other institutions.

Athletics

Milford, Chairman; Gage, Mitchell, J. H., Morgan, T. W., Rhodes, F. J., Howard, Coach, ex officio; J. C. Littlejohn, Business Manager, ex officio; G. E. Metz, Registrar, ex officio.

The Athletic Council has had the usual number of meetings during the past year. Members have agreed that the athletic situation as a whole was very satisfactory, even though our won and lost columns in football were reversed from that of the past several seasons inasmuch as we won two games, lost six, and tied one. In basketball we had eight wins against ten losses. The baseball team won the State Championship having won eleven games and losing six. This made the team the runner up for Conference Honors. The track team won three and lost three; the swimming team won two and lost four; the golf team had seven wins and four losses; and the tennis team had seven wins and five losses.

The Southern Conference had its annual meeting at Clemson last December -- the first time it has ever met with us. The meeting was successful in every way and many of the college representatives were most complimentary of the Clemson House. I think the success of our meeting was due to the effort of our Athletic Council, assisted by members of our coaching staff and the President's representative, Mr. Walter Cox. I would like to thank our President, members of the Athletic Council and the Athletic Director for their part in helping to arrange the details for the meeting.
The semi-annual meeting of the Southern Conference met May 8 and 9, 1953 in Greensboro, North Carolina. Seven members withdrew from the Southern Conference in order to establish better school athletics and take advantage of other opportunities which they believe will be to their advantage. It is hoped that this new and smaller conference will prove as beneficial as some of the other smaller conferences. The seven schools which withdrew include Maryland, Wake Forest, N. C. State, Duke, University of North Carolina, South Carolina, and Clemson. Representatives from each of these schools met June 14, 1953 in Raleigh, North Carolina to organize and name the new conference. It has been suggested by some that each member of the Conference play every other member. A study of this suggestion is now under consideration and will be considered at the organized meeting.

If the new Conference is successful, it will mean stronger athletic contests with increased gate receipts and a more wieldy conference. It is hoped that a well-rounded athletic program will be worked out for both major and minor sports.

Buildings and Grounds

Watson, D. J., Chairman; Gates, Glenn, H. E., Hill, H. H., Huff, Musser, Nutt, Rhodes, Sams, Webb, H. J.

The Buildings and Grounds Committee had a meeting on October 29, 1952 at which time the Committee recommended that the new Ceramics Building be placed between Riggs Hall and the Fertilizer building. Also at this meeting the following buildings were considered expendable or of no further use to Clemson College when new buildings were constructed. In most instances the buildings were on the site of proposed new buildings:


The Committee also recommended that the Colonial Restoration plans as prepared by Professor R. E. Lee be submitted to Perry, Shaw & Hepburn, Kehoe & Dean for review and approval. A motion was made and unanimously passed that the New Chemistry Building be named Brackett Hall and that the Old Chemistry Building be named Hardin Hall.

On February 3, 1953 the Committee met and recommended naming certain streets. It was recommended at this time that the street going to the Tom Littlejohn - or Brick Apartments - be named Carey Circle. It was also recommended that a plaque or tablet giving the name of the building, the architects, engineers, and builders, and any other information considered appropriate, be placed on the several buildings as they are constructed. It was recommended that the laying of corner stones on all public buildings be carried out at Clemson College, since this has been the custom through the years. At this meeting the Buildings and Grounds Committee recommended that the surface treated area east of the Field House and the parking area used at football games west of Williamson Drive, be designated as student parking areas to take the place of the present student parking area east of Klugh Avenue where the new barracks will be constructed. It was also recommended at
this meeting that the Camellia Test Garden located southeast of the cemetery be named "Judge Crawford" Camellia Garden. This is in honor of the old colored garden who worked for Clemson College for approximately 50 years.

The Committee recommended that the Military property such as tanks and trucks be placed in an enclosure northwest of Memorial Stadium and adjacent to the driving range of the National Guard.

On March 23, 1953 the Buildings and Grounds Committee met and recommended that a log house purchased by the Class of 1915 be located on the east side of the sheep barn as nearly as possible in conformity with the location of the several ante-bellum buildings shown on the sketch of Professor R. E. Lee. At this meeting the Buildings and Grounds Committee recommended the location of a concrete bent or marker for Tau Beta Pi the Honorary Engineering Fraternity, be between Riggs Hall and the new Ceramics Building. It was recommended that the new laundry building be located south of the Boiler Plant, on the north side of Water Street, and the west side of Klugh Avenue.

The Committee met on April 16, 1953 and discussed the proposed location of a hitchhiking stand just east of the Library Building along highway 123. The Committee did not look with too much favor on such a structure and deferred action until a later date.

This Committee has considered very conscientiously all of the projects that came before it within the scope of its activity.

Calendar

Cox, W. T., Chairman; Allen, W. C., Cannon, G. R., Crouch, Gribbin, Hill, H. H., Holtzendorff, Metz, Morgan, T. W., Murphy, Miss Shunklin, Spangenberg, The Commandant, Editor of the Tiger, President of the Senior Class, President of Tiger Brotherhood, President of Blue Key, President of Central Dance Association.

The Calendar Committee has continued to meet the last Thursday of each month for the purpose of coordinating campus, town, and student activities into monthly and weekly bulletins.

It is felt that lack of interest on the part of some of the members results in insufficient coverage and it is hoped this may be corrected during the next session. Comments from various sources indicate that the bulletins are of value, not only to students but to members of the staff and people of the community.

Catalog

Vickery, Chairman; Brown, A. J., Bradbury, Kinard.

The Catalog Committee did not have a formal meeting during the year however, members of the Committee were consulted informally concerning the 1952-1953 edition of the College Catalog. This edition of the College Catalog was printed by the R. L. Bryan Printing Company of Columbia and was issued in January, 1953. Seven thousand copies of this edition were printed.

In addition, fifteen hundred copies of the Graduate School Bulletin were printed in May 1953. This edition of the Graduate School Bulletin is the first printed since January 1951.
The Committee on Curricula has met on the average of once a month during the 1952-53 session. It has considered numerous requests for new courses and changes in curricula and from time to time has considered some special matters. Requests approved have been recommended to and approved by the President's Council of the Deans and Directors.

The Committee and the Deans and Directors have approved revision of the curriculum in Agricultural Chemistry and minor adjustments in the following curricula:

- Agricultural Economics
- Chemistry
- Civil Engineering
- Education
- Industrial Education
- Textile Chemistry.

Approval of the discontinuance of Chemistry 103 also involved the substitution of Chemistry 101 for Chemistry 103 in the several curricula in which Chemistry 103 was required.

The Committee and subsequently the Deans and Directors approved a total of sixteen new undergraduate courses. Two of these replaced other courses, and five were organized primarily for Summer School. The following summary indicates the distribution of these courses.

1. School of Agriculture
   - Agricultural Economics One course
   - Dairy One course
   - Entomology One course
   - Zoology Two courses

2. School of Arts and Sciences
   - Economics Two courses
   - History One course
   - Psychology One course

3. School of Chemistry
   - Geology One course

4. School of Education
   - Education Three courses
5. School of Engineering

Ceramic Arts  
Mechanical Engineering  
Mechanical Engineering  
Two courses  
One course

6. Graduate School

Agricultural Engineering  
Ceramic Arts  
Mathematics  
Zoology  
Two courses  
Nine courses  
Six courses  
Two courses

Requests have been approved for making changes in the organization, either scope or number of credit hours allotted, for ten courses.

Agriculture  
Arts and Sciences  
Chemistry and Geology  
Education  
Engineering  
One  
One  
Five  
One  
Two

Approval has been given for dropping from the curriculum a total of four courses, three in the School of Chemistry and Geology and one in the School of Engineering.

Deficient Students

Kinard, Chairman; Cook, J. R., Dinwiddie, Gentry, LaGrone, McKenna, Stanley, Tingley, Watson, C. H.

Having no matters referred to it and undertaking no new special projects during the 1952-1953 session, the committee has been relatively inactive for the past year. The freshman counseling program inaugurated by the committee has been administered by the Registrar's Office and has continued to make a contribution to our students. Most of the members of the committee are active in this program.

Ethics and Religion

Crouch, Chairman; Allen, M. C., Cannon, G. R., Gribbin, Holtzendorff, Murphy, Stockman.

The work for which this Committee is responsible is, like that of the faculty and other departments of the college, much the same each year. We are humbly proud and grateful for what has been done during the past academic year. The normal programs of the respective campus churches, as they apply to the students, have been carried out. Perhaps more than former years, work is being done for Freshman during their first week or two at Clemson, when representatives, students, or adults, from the campus churches, visit the Freshmen in their rooms. This is now being done in an organized way. Some of the churches are trying "to make it easier" for the students to attend Church School each Sunday morning, by having coffee and toast for them before they go to their classes. This enables them to sleep through breakfast and still attend the Church School and then too, the values of such informal fellowship in the church each Sunday morning is not to be underestimated.
"Church Night" each Wednesday is something for which we have reasons to be genuinely proud. So far as your Committee knows, no other institution of higher learning in the South has such a program. The thing that is gratifying is the interest manifested by the students themselves, through their leaders, in keeping Wednesday nights for the Church Student Programs. The schedule of extra-curricula activities, as publicized in THE TIGER, with each Wednesday designated "Church Night" and nothing else, certainly is unique. The Committee feels that these meetings and the work of the YMCA are largely responsible for the fine reputation Clemson men have for the way they engage in active church work when they locate themselves after graduation.

A new minister has come to the Clemson Methodist Church during the past year, The Rev. George R. Cannon. Mr. Cannon has thrown himself into the Student Work with rare and most commendable spirit. He has visited the whole roster of Methodist students since coming to the college.

Three courses in the Department of Religion have been offered this past year and we hope that five may be offered during the year 1953-54. In spite of the encroachment on the student's time for elective courses, the enrollment in Religion courses has stayed up very well.

The local Baptist Church served as host church to the annual, statewide Baptist Student Union Conference. A good conference was reported.

The annual Religious Emphasis Week meetings were held last February. The interest in this undertaking and the attendance on the part of the student body is another thing which puts Clemson at the top. Dr. F. P. Gaines, Jr., President of Wofford College, Spartanburg, S. C. led a most interesting and profitable forum with the members of the faculty for three evenings, on the subject "Religious Perspectives in College Teaching". From 85-100 members of the faculty and administration attended each of these meetings.

The Committee wishes to express its hearty thanks for the wholehearted cooperation and support of the Administration during the past year. This is still another "unique at Clemson" in its religious program, and one largely responsible for the measure of success achieved.

**Evaluation of Transfer Credits**

Owings, Chairman; Gage, Vice-Chairman; Vickery, Secretary; Ball, Berne-Allen, Epting, Felder, Huff, Lindsey, J., Means, Morgan, C. L., Nutt, Polk, Rosenkrans, Sheldon, Stribling, B. H., Trively, Watson, S. M.

The activities of the committee this year have been directed to evaluation of difficult transcripts presented by foreign students, and to re-evaluation of some of the established policies of the committee.

The committee has no recommendation for any change in policies. The present system continues to work satisfactorily.
Food and Nutrition

LaMaster, Chairman; Lease, Littlejohn, J. C., Milford, Morgan, C. L., Musser, Nutt, Patrick, Starkey, Van Blaricom, Luther Fields, Mess Officer, ex officio.

The Agricultural Engineering, Animal Husbandry, Dairy, Farms, Horticultural and Poultry Departments submit the following report of their farming and food processing operations carried on as a part of their teaching and research programs during the year. The agricultural products obtained from the Clemson College lands are used largely by the Mess Hall, Clemson House, and the College Hospital.

The food and feed sold between departments and to the Mess Hall, Clemson House and Hospital this year had a total value of $123,376.90. These transactions were 33.5 per cent of the value of the total food and feed production. The miscellaneous agricultural items such as breeding animals, cotton, tobacco, seed, wool and used feed bags, etc. amounted to $31,299.51 which added to the total sale value of all feed and food items brings the total value of all products sold during the year to $399,170.05. This is an increase of 7 per cent compared with the gross sales of last year.

The Land Use area of 27,000 acres obtained on lease from the Federal Government is making a major contribution to the teaching and research programs of the six agricultural departments participating in this report.

Summary of Receipts
May 1, 1952 through April 30, 1953

<table>
<thead>
<tr>
<th>Department</th>
<th>Food and Feed Sold to College</th>
<th>Food and Feed Sold to Others</th>
<th>Other Products Sold</th>
<th>Value of Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agricultural</td>
<td>$2,561.00</td>
<td>$48.00</td>
<td>$3,877.52</td>
<td>$6,481.52</td>
</tr>
<tr>
<td>Engineering</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Animal Husbandry</td>
<td>4,354.51</td>
<td>44,630.10</td>
<td>6,462.99</td>
<td>55,447.60</td>
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<tr>
<td>Dairy</td>
<td>59,664.51</td>
<td>138,685.73</td>
<td>14,482.68</td>
<td>212,632.92</td>
</tr>
<tr>
<td>Farms</td>
<td>36,565.00</td>
<td>13,174.53</td>
<td>4,111.00</td>
<td>53,850.53</td>
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<tr>
<td>Horticultural</td>
<td>2,405.25</td>
<td>39,557.56</td>
<td>26,365.12</td>
<td>44,327.93</td>
</tr>
<tr>
<td>Poultry</td>
<td>17,823.63</td>
<td>8,605.92</td>
<td></td>
<td>26,429.55</td>
</tr>
</tbody>
</table>

$123,376.90 $244,933.84 $31,299.31 $399,170.05

Graduate Work


The work of the graduate committee during the past year has been limited to routine matters. The committee has met three times during the year but has not acted on any question of policy or procedure.
The graduate program as a whole has functioned smoothly during the year. The number of students taking advanced work increased during the second semester to 68. This is an increase of 10 over the previous semester. Fifteen students have earned advanced degrees at Clemson during the year and five of these students received their degrees during the past commencement.

One additional field of graduate work is being added to the list for next year. If there are qualified applicants so desiring, they will be accepted for advanced study in Ceramics Engineering next fall for the first time. A complete program is also available now in Agricultural Engineering.

Kress Research

Brown, H. M., Chairman, Carodemos, Crawford, Lindsay, J., Sheldon, Stepp, Tingley, Webb, H. J., White, Miss Graham, Librarian, ex officio; J. C. Littlejohn, Business Manager, ex officio.

Since July 1, 1952 the committee has met four times and approved three projects for extension and seven new projects committing a total of $3,433.43 from the Kress funds. These projects are briefly outlined as follows:

Project No. 39, Study of Operating Variables on Distillation Processes, C. E. Littlejohn, $75.00 (Extension), February 5, 1953. Project completed and report submitted.

Project No. 49, Application of the Quantitative Measurement of Microcrystallite, A. N. J. Heyn, $200 (Extension), October 10, 1952. Studies of Microcrystallite were made on all of the many new synthetic fibers.


Project No. 65, Entrance Fee to Oak Ridge Institute of Nuclear Studies, H. L. Hunter, $1000, August 2, 1952. Project Terminated.


Project No. 69, Historical Research Concerning the S. C. Legal System from 1790 to 1860, Jack K. Williams, $25, October 10, 1952. Project completed.

No statement.

Project No. 72, Repairs of X-Ray Machine, A. N. J. Heyn, $924.43, May 6, 1953.
Replacement installed and project terminated.

The following projects have been active, also, during the past year.

Project No. 43, Investigation of Variable Compression Engine for Automotive Work, A. D. Lewis, $300, February 21, 1951.
Project expect to be completed in the near future.

Project No. 47, An Investigation into the Cutting Action of Saws, $2,151.88, March 22, 1951.
This project has been active during this year and satisfactory progress has been made and some work published. Project to be completed in the near future.

No statement.

Project No. 63, Tests to determine the effectiveness of new insecticides against South Carolina Ticks, E. H. Warnhoff, Jr., $200, March 25, 1952.
Project to be completed in the near future.

The Kress Committee wishes to encourage the faculty members to make use of these funds to defray expenses incidental to research that would not be supported by funds from other sources.

Library Committee

Owings, Chairman; Aull, Berne-Allen, Bolen, Booker, Bryan, Carodemos, Carpenter, Collings, Lindsay, J., Rosenkranz, Stanley, Taylor, R., Watkins, Whitney, Miss Graham, Librarian, ex officio.

This year the Library Committee has been most concerned about increasing the efficiency of the library. Because of lack of equipment to make effective use of the space in the building, hundreds of volumes have been withdrawn from circulation and stored in boxes. Also most of the newspaper files are not in a usable condition because of a lack of binding and shelving, or microfilming. The rooms formerly occupied by the Social Sciences Department are now storerooms instead of being a usable addition for stacks and reading rooms. Thus a considerable part of the present library assets is merely a "paper" asset. Efficient use and efficient service of boxed materials are an impossibility. Therefore the committee recommends vigorously:

1. That the recommendations of Mr. J. Russell Bailey, library architect, be implemented as soon as possible. (1952 report),

2. That Mr. Bailey be employed to supervise the rearrangement and redecoration of the library,
3. That funds be sought immediately for this purpose;

4. Also, that the library holdings of bound periodicals be greatly expanded in order to support the growing graduate program.

Finally, the committee wishes to call attention to the fact that for the year 1951-52, Clemson, with reference to books added and to library budget, compared unfavorably with the chief college and research libraries within the region of the Southeastern Library Association. All similar institutions, Auburn, Georgia Tech., N. C. State, Florida State, Mississippi State, V.P.I. -- also University of South Carolina -- were in a much stronger position for 1951-52 than Clemson.

**Loans**

Littlejohn, J. C., Chairman; Brown, A. J., Cox, W. T., Hill, G. H., Howard, Vickery.

During the past twelve months thirty loans have been paid in full. The status of the eighty one loans now outstanding is as follows:

<table>
<thead>
<tr>
<th>Category</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Periodic payments being made on</td>
<td>22</td>
</tr>
<tr>
<td>Past due and inactive</td>
<td>16</td>
</tr>
<tr>
<td>Due at future date</td>
<td>43</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>81</strong></td>
</tr>
</tbody>
</table>

It is considered that the funds are serving a worthwhile purpose and in general the loans are being paid in a satisfactory manner.

**Public Lectures**

Bolen, Chairman; Cleaninger, Freeman, Green, J. C., Goodale, Lane, Langston, Lindsey, T. J., Stribling, B. H.

The Committee on Public Lectures scheduled no speakers for the school year 1952-1953.

At a later date, the members of the Committee hope to bring speakers of prominence to the campus.

**Publications and Radio**

Lane, Chairman; Califf, Secretary; Bryan, Cox, W. T., Eleazer, Mattison, Napier, Stribling, S. C. (J. D. Lane, Faculty Adviser for student publications.)

College Publications -- an ever-present demand for Clemson College publications is evidenced by the fact during the past year 389,958 copies of such publications were distributed. In addition to the number of requests which are received from South Carolina and from every state in the United States, 500 requests came in from foreign countries. As estimated 6,000 copies
of Clemson College publications were distributed to foreign countries during the year. Extension Service and Experiment Station publications are kept up-to-date as evidenced by the fact that during the fiscal year beginning July 1952, thirty-three revised or new publications were printed by the Extension Service and eleven by the Experiment Station.

In the nature of publicity and public relations, the Extension Service reports 376 news releases; two weekly columns that appear in nearly all South Carolina newspapers and many in North Carolina and Georgia; one in The Progressive Farmer each month; 141 films were distributed and shown 2,409 times to 141,021 people, in addition to film strips and slides.

During July 1952 the American Association of Agricultural College Editors (AAACE) met at Clemson. Some 210 agricultural publicity personnel attended from thirty-eight states in the Union and ten foreign countries. This meeting was one of the largest and best conferences, from the standpoint of geography and publicity for Clemson, that has ever been held here.

Radio - Mr. J. R. Mattison, Extension Radio Specialist, reports: In the opinion of the committee the fiscal year beginning July 1, 1952, has been another successful year in the history of Clemson College as far as the use of radio is concerned. "The Voice of Clemson" program was started in January 1949 by the Extension Service and Experiment Station. Presently, these programs are being carried by Radio Stations WIS, Columbia; WSPA, Spartanburg; and WAIM, Anderson, Monday through Saturday of each week from 12:36 to 12:43.

Each Monday, Wednesday, and Friday, Radio Station WIS, Columbia, carries the program known as the "Clemson Journal" from 12:45 to 12:58.

Each Tuesday "Pest Control Tips for Carolina Farmers" is broadcast over these same stations from 12:45 to 12:53.

On Thursday of each week the "Horticultural Bulletin Board of the Air" is broadcast over WSPA, Spartanburg, from 12:50 to 12:59.

Still another program is heard from Clemson each Saturday from 12:45 to 12:57 over Radio Station WIS, Columbia. This program is known as "On The Farm Front".

In addition to these twelve live broadcasts each week by direct wire from our studios, three transcribed programs are being furnished to twenty-seven radio stations. Transcriptions include two programs which are five to seven minutes and one fifteen minute program.

A tape recording "Voice of Clemson Series" is being furnished daily to radio stations located at Charleston, Sumter, Florence, Greenwood, Orangeburg, Greenville, and Seneca giving the people the latest agricultural information available.

L. W. Riley and J. R. Mattison were appointed by Dr. R. F. Poole to represent Clemson on the state educational television committee. Several television conferences have been attended and ways and means have been discussed as to how the four educational channels located at Greenville, Columbia, Charleston, and Clemson can be activated.
Student Publications - All major student publications were in circulation this year. The TIGER, weekly newspaper, appeared 30 times and had a circulation of 6,000. A decision by the Athletics Department to discontinue sending the TIGER to approximately 2500 IPTAY members reduced TIGER circulation from 7500 to 6000.

The TIGER is in sound financial condition. Net profits go into a building fund for a proposed publications building. The TIGER has not suffered any noticeable financial set-back from loss of IPTAY subscriptions. The staff members have plans for increasing circulation, perhaps for restoring it to the last year's 7500.

Most major positions on the staff will be held again next year by seniors. Tommy Green, editor, is a senior and experienced member of the staff. Effort is constantly being made to restore all major positions to men of senior standing.

The old building that housed the fire trucks and presently serves as headquarters for the TIGER will be torn down to make room for new barracks buildings. Space for future use of the TIGER has been requested by the Faculty Adviser. Also space for darkroom and for TAPS has been requested.

The best time for campus people to contact members of the TIGER staff is on Monday or Tuesday nights. Some work is being done on Sunday nights also.

During the past year the TIGER was delivered to students on Thursday nights, and to the faculty (without cost) on Friday through the offices of the deans.

According to John Califf, adviser for TAPS: "TAPS had one of its best years since World War II. Under the newly adopted plan whereby the $3 activity fee is used to have a student's class picture put in the book and a flat $6 is charged for the purchase price, a slight profit was shown after all bills had been paid. In all 2600 books were printed. Students purchased 2400 and the rest were used for complimentary distribution. It might be recommended that since the cost of putting a student's portrait in the book is paid for in the activity fee, he be made to have his picture taken so that TAPS might be a complete and official history of the college year. With one minor exception cooperation and effort on the part of the staff members was outstanding."

THE AGRARIAN, sponsored by Alpha Zeta, was back in circulation this year. There were two issues, and a circulation of 3300.

Four issues of BOBBIN AND BEAKER, published by students in the School of Textiles, had a circulation of 2400, 1500 mailed and the rest distributed locally.

THE SLIPSTICK, published by students of the School of Engineering, had a circulation of approximately 1600 for four issues.

The CLEMSON ARCHITECT, published by students of the Architectural Department, appeared four times and was mailed to all architects who graduated at Clemson, and to all architects in the Southeast.
THE TOWER, a small magazine devoted to religious subject matter appeared several times the past year under the editorship of J. W. O'Cain. The college assumes no responsibility for this publication.

ENGLISH AT WORK (300), meeting each Monday afternoon at four o'clock, provides an opportunity for the staffs of these publications to hear constructive criticism of their finished products by speakers from the campus and elsewhere. Discussions are held on public relations, advertising, business letter writing, fundamentals of English, and many other facts met in publishing the printed word.

Research, Planning and Development

Brown, H. M., Chairman; Arndt, Carodemos, Crawford, Heyn, LaMaster, Monroe, Musser, Nutt, Robinson, G. C., Sams, Watson, D. J.

As in the past several years the report is mainly a survey of research projects being carried on by the college. The list is not to include work reported by other agencies such as Experiment Station, Kress Foundation, etc. The following is a summary of the reports submitted by committee members for the several schools:

School of Chemistry

(1) Colorimetric Determination of Fluorine:

Purpose: To find a simple colorimetric method for determining quantitatively the amount of fluorine, which method could be used by ordinary water-works operators.

Investigator: Dr. F. I. Brownley

(2) Study of the Minor Elements in South Carolina Soils and Crops:

Purpose: Determination of minor elements in soils and crops by using spectrophotometric methods.

In this investigation, which is also a Kress Project (No. 40), Dr. Schirmer and two graduate students have thus far completed the construction of a photoprocessing tank and are ready to proceed with the actual determination of the elements in their samples.

(3) Development of a Suitable Method of Synthesizing Maleic Hydrazide Tagged with Carbon-14:

Purpose: To prepare Carbon-14 containing Maleic Hydrazide for use in the Study of Plant-Growth effects.

Investigator: John A. Porter

(4) Synthesis of Substituted Acetylenes:

Purpose: To determine correlation between structure and acidity in this type of molecules.

Investigator: George Youngblood.
(5) **Physical Properties of Maleic Hydrazide:**

**Purpose:** To develop methods of isolating and identifying small quantities of maleic hydrazide.

**Investigator:** Earl Smith.

**School of Engineering**

The Department of Ceramic Engineering has published bulletins on the following research work, which was completed:


"Limitations Imposed by Raw Materials on Firing Schedules", Journal of the American Ceramic Society 35 (1) 1-5 (1952)


The following papers have been presented to national meetings and are to be published:

"The Use of South Carolina Sillimanite in Porcelains"

"The Effect of Cooling Schedules on the Strength of Ceramic Products"

The following reports have been completed and are to be published:

"A Structural Glazed Tile Industry for South Carolina"

"The Glass Sands of South Carolina"

"The Influence of Refractory Additions on Enamel Defects"

"The Coastal Plain Clays of South Carolina"

The following reports have been completed:

"The Improvement of Certain Residual Clays to Permit Their Use in Brick Manufacture"

"A Non-metallic Resistance Thermometer for the Measurement of High Temperatures"

"The Beneficiation of South Carolina Barite Ores"

"The Manufacture of 'Old Charleston Brick'"

"The Preparation of Grog from South Carolina Kyanite"

**Engineering Experiment Station**

**Industrial Research:**

(1) The Industrial Research Project of the Sonoco Products Company was completed during the fiscal year.
(2) An Industrial Contract with the Columbia Products Company of Columbia, South Carolina was undertaken as a thesis problem for a Master's Degree in Engineering by Professor Byars. A fiberglass truss was made and tested under this contract, and very promising results were obtained for the use of fiberglass in truss construction. The fiberglass truss made under this contract was probably the first such number ever constructed. Further work on this contract is expected during the coming year.

Current Research:

(1) Members of the Drawing Department of the School of Engineering, under the direction of Professor Shigley, Head of the Drawing Department, are currently engaged in a research problem on "Saw Teeth for Circular Saws." This work, under the financial sponsorship of the Kress Research Fund, is now in its second year. The work is progressing on schedule. Funds for the printing of a progress report are included in the budget request of the Engineering Experiment Station.

(2) Other research being conducted by the Ceramics Department is shown on the report of that department.

Federal Research Projects:

(1) A Federal Contract was activated on January 6, 1953, between Clemson College and the U. S. Department of Agriculture in the amount of $10,000 relating to research work on the physical properties, seasoning and preservative treatment of various varieties and species of bamboo. Work on this project is now under way, employing about 12 members of the Engineering staff on a part time basis. Satisfactory progress on the contract is reported.

School of Arts and Sciences

1. English Department


2. John C. Guilds: (a) William Gilmore Simms. Book in progress. (b) "Bryant in the South: A New Letter to Simms"


6. Rupert Taylor: (a) History of the Shakespeare Property in Stratford Before Acquisition by the Shakespeares. Book alive but inactive at present. (b) Marlowe's Dr. Faustus, Spiess Faust of 1887 and English Book; Dr. Faustus by P. F. Gent.
2. Department of Mathematics

No research being conducted at this time.

3. Physics Department


(2) "A Study of the Physical and Optical Properties of Dimethyl." Paper read at the March 1953 meeting of the Optical Society of America.


2. L. D. Huff: Research of a classified nature in progress for the Naval Ordnance Laboratory.

3. John R. Shewell: "A Study of Second and Higher Order Differential Equations which have some common solutions, the number of common solutions not being equal to the order of the equation".

4. Robert B. Nelson: "Structure, Transmittance and Reflectance of Thin Selenium Films in the 100 \( \mu \) to 1000 \( \mu \) Range".

4. Department of Social Sciences


(3) "Slave Labor in S. C. Textile Mills". Published in current issue of The Journal of Negro History.


(2) "Crime and Punishment in Alabama, 1819-1840". Published in The Alabama Review, Jan., 1953.

(3) "A Bibliography of the Printed Writings of Wm. Edward Dodd", published in The N. C. Historical Review, Jan., 1953.


6. C. W. Bolen: "German Foreign Policy Preceding World War II"


School of Textiles

1. Contract Research: The school has had several projects with the USDA.

   1. A study of the use of electrostatic electricity in opening and cleaning cotton.

   2. A study of correlation of yarn strength with fiber strength measured at different gage lengths.

   3. A study of possible improvement of cotton processing by the use of additives to increase the frictional properties of the fiber.

   4. A project to develop small scale dyeing and finishing tests for cotton fabrics.

   A number of commercial companies have set up research projects which are handled by the textile staff in the same manner as the government projects:

   1. Study of roll coverings for spinning frames.

   2. A study of sizings for several of the new synthetic fibers.

   3. Study of a large series of dyes on two new fibers.

2. Developments by School of Textiles: Besides the sponsored research a number of projects and developments have been carried out by the school. The following are the more important items:

   1. A picker lap meter suitable for permanent mounting on pickers to show instantaneous weight of lap at all times, and to show uniformity of the lap.

   2. An improved form of a device for spinning frames to insert temporary twist in the yarn between the rolls and the thread guide to reduce ends down.
3. A Tensile Testing device wherein indices of strength, and strength uniformity, are obtained while the yarn is being run continuously.

4. A tension control for warper beams in a warper creel. This device is entirely mechanical and gives the same tension on every beam in terms of a weight that can be computed in advance so no adjustments need be made when the beams are put in the creel or during their run down.

5. A device for use with pneumatic to indicate when an end is down on spinning frames or to stop roving frames when an end is down. The number of stops can be automatically recorded for individual frames and for the whole room.

6. A new leno device not using doups by which full turn leno (or even more than full turn) may be intermixed pick by pick with ordinary leno or plain weaving.

7. Studies on a tension control for loom shuttles.

8. Studies on the elimination of filling bow in weaving.

Schedule

LaGron e, Chairman; Beaven, Brownley, Epting, Gage, Huff, McGee, Monroe, Morgan, C. I., Richardson, J. B., Swearingen, Tingley, Vickery.

The committee has as usual performed its specific duty of making up the semester class and laboratory schedules, the examination schedules, and the summer school schedule.

The committee has also taken an interest in other matters which concern and affect scholarship, especially those which tend to hinder rather than to promote it.

The committee wishes to register a strong protest against the overwhelming number of events and practices throughout the regular school session which interfere with classes and which tend to divert a student's interest and attention from his academic studies. The protest is aimed at the frequency and the timing of such events as listed below.

1. Excessive extra drill periods.
2. Scheduled "Rat" service.
3. Excessive holidays.
4. Excessive impromptu military formations.
5. Excessive non-military functions.
6. Excessive permits to individuals and groups.
7. Laboratory exercises requiring more time than the scheduled lab. period.
8. Leniency in the administration of class absence regulations.
9. Excessive extra-curricular activities on the part of many students.
10. Excessive time required for "Long-Roll" formation.

The committee, therefore, recommends that the administration examine critically the above list with a view toward the elimination of some items and the systematic scheduling of others.
Scholarship and Honors

Sheldon, Chairman; Carodemos, Curtis, Gentry, King, Lindsay, Long, MacIntosh, McKenna, Monroe, Schirmer, Senn.

WHO'S WHO

This committee is charged with recommending to the President the names of students to represent the Clemson Agricultural College in WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES. The selection of a candidate for this honor is based on his excellence and sincerity in scholarship, his leadership and participation in extra-curricular and academic activities, his citizenship and service to the school, and his promise of future usefulness to business and society.

Student Exemption from Examinations

A recommendation from the School of Chemistry, that certain students be exempted from taking final examinations, was submitted to this committee for study and recommendation.

This committee recommended that any student having an average quality grade of A or B at the end of a course, prior to the final examination, be allowed to accept that grade as his final grade without taking a final examination in the course. If, for any reason, the student wishes to take the final examination in a course, he shall be permitted to do so.

Scholarship Recognition Day

On May 6, 1953, the traditional Scholarship Recognition Day exercises were held in the Chapel. On this occasion awards were presented to students for outstanding achievement.

Norris Medal

At the commencement exercises of June 7, 1953, the Norris Medal for the best all-round student graduating in the year 1952-53 was awarded to Forrest Eugene Cockson, Jr., of Clemson, S. C., majoring in Arts and Sciences and William O'Byrne of Easley, S. C., majoring in Electrical Engineering. Two awards were made; one to a veteran and one to a non-veteran.

Social Functions

Cox, W. T., Chairman; Brewster, Cox, H. M., Curtis, Gates, Green, J. C., Hill, G. H., Holtzendorff, Hughes, Miles, Nowack, Park, Tingley, Walker, Williams, W. B., The Commandant.

The number and the type of dances given during the last year have proven more popular than any prior to World War II. The dances have been very satisfactorily conducted.

At the dances the Social Functions Committee has cooperated in an effort to assist the students and their guests in having a good time. The students have been unusually responsive and cordial to faculty chaperons.
Dance dates have already been set for the next school year. The same plans for keeping our visiting ladies in the Barracks and the Clemson House will be in effect.

**Student Government**

Goodale, Chairman; Armstrong, Brock, J. L., Lane, Marshall, Metz, Owings, The Commandant.

During the college year 1952-1953, the Committee on Student Government worked as usual advising student leaders and student organizations about student problems in general and student government in particular.

Many conferences were held with the ranking officers of student government. The chairman of the Committee on Student Government met with the Senior Council as adviser. Assistance was given during all student elections. Much publicity was given to campaigning and voting and the results were good.

Members of the Committee helped in many ways to promote the 1953 "Senior Day" which has developed into another worthwhile Clemson tradition.

The Senior Council handled only six disciplinary cases during the past college year. As always, it was difficult to get students to give needed evidence. James F. Callahan, Jr. was Chairman of the Senior Council. He proved to be an excellent leader. The Senior Council met twice each month during the college year and at other times necessary to try disciplinary cases.

Two students were found guilty of drunk and disorderly conduct. Two students were found guilty of theft. Two cases involved students guilty of bringing discredit upon the college.

The Senior Council cooperated well with the Executive Committee of Student Government and with the Student Assembly. Student Government functioned well during the college year 1952-1953.

Late in the college year the new 1953-1954 Senior Council was thoroughly briefed by the old ones concerning duties and responsibilities.

**Student Organizations**

*(Including Honor Societies)*

Schirmer, Chairman; Brock, Cloaninger, Collings, Freeman, Goodale, Marshall, Sheldon, Vickery.

The Committee on Student Organizations, through the chairman, has worked rather closely with Blue Key and the Council of Club Presidents to initiate a number of proposed additions to the policies governing Student Organizations at Clemson. The proposed additions include a classification of student organizations and activities, policies governing informal initiations, a meeting schedule, and authority for the committee to withdraw recognition from any organization that fails to follow the approved rules. These proposals were initiated in part by the Council of Club Presidents under the able leadership of Cadet H. W. Reutershan and Professor F. A. Burtner. The committee has studied their recommendations very carefully, and has made only a few changes in them.
The committee recommends that the policies governing Student Organizations at Clemson be extended to include the proposed additions. A copy of the "Policies Governing Student Government" at Clemson as recommended by the committee follows. Paragraphs 2 c, d and 3 give the proposed changes.

**Recommended Policies Governing Student Organizations at Clemson**

1. Social fraternities are not authorized at Clemson and will not be recognized by the college.

2. All student organizations are required to have a faculty adviser. The faculty adviser is charged with the responsibility of having his organization operate under the following rules:

   a. The local chapters of National Organizations on the campus are required to operate under the constitution and by-laws of the national organization. In any case where the local chapter is given the authority to establish its own rules for local operation these rules, in the form of a constitution and by-laws must meet the requirements established for the operation of local organizations in so far as these requirements do not violate the constitution and by-laws of the national organization.

   b. All local student organizations on the campus are required to operate under a constitution and by-laws in which the following requirements must be met:

      (1) Qualifications for membership must be clearly stated.
      (2) Nominations from the floor must be called for by the presiding officer at an election of members.
      (3) The quorum for an election of officers or members must be at least two-thirds of the active membership.
      (4) The maximum affirmative vote that can be required for the election of members must be no greater than three-fourths of the members voting.

   c. Informal Initiations:

      (1) Informal initiations shall not exceed one (1) week.
      (2) Informal initiations may be held anywhere within a one mile radius of the Main Building except in the vicinity of the Clemson House. No hazing, such as paddling, of initiates will be permitted on Bowman Field or adjoining roads.
      (3) All organizations must submit a written plan of their informal initiation to the Committee on Student Organizations for approval before each initiation.

   d. All organizations must adhere to the official schedule for their meetings and to those rules made a part thereof.

3. The Committee on Student Organizations may withdraw approval of any organization which violates any of the above rules or policies.
Student Welfare

Lane, Chairman; Aull, Bell, Campbell, Coker, Cook, J. C., Hill, G. H., Hunter, Jones, R. M., LeMaster, Mauldin, Metz, Moorman, Sams, Washington.

The Chairman served as banquet speaker for the statewide student government clinic held on the campus in April. He also served on a three-man committee (Walter Cox, Chairman, Schirmer and Lane) appointed by the President to meet with student leaders for the purpose of working out a solution to the problems arising from the ban on paddling. One result from the report of this committee to the President was combining reveille with the breakfast formation.

The Chairman also worked with John Willard Barton, Jr., President of the Senior Class, on problems affecting the welfare of his class, including some concerning Senior Day.

No problems were brought before the committee as a group, but the total contribution of committee members to student welfare during the school year has been outstanding. For example, Dean H. L. Hunter led a discussion during the student government meeting at Clemson in April.

Uniforms

Littlejohn, J. C., Chairman; Brown, A. J., Cannon, G., Cartee, Hill, G. H., The Commandant, Senior ROTC Quartermaster Instructor, Douthit, Trustee Member.

The past year contractors furnishing articles of uniform to the Clemson Corps of Cadets have met all requirements of their contracts both as to quality of the goods and dates of delivery. The contracts for next year for uniforms have been let to:

Wool uniforms and cotton trousers - Irving L. W. Wilson Co.


Shirts - Wideawake Shirt Company, Reading, Pa.

Raincoats - Rainfair Corp., Racine, Wis.

The total cost to the freshman next year for the following articles of uniform will be $134.39 or $1.55 less than last year:

1 Cadet uniform coat and belt
2 Cadet uniform trousers
1 Mackinaw
3 Cotton trousers
6 Cotton shirts
1 Raincoat
1 Cadet Cap
Visitors


More visitors, both individuals and groups, come to Clemson each year. Members of the Visitors Committee have cooperated in an effort to show these people the many points of interest and education, as well as extend the hospitality of the college and community.

Many guided tours have been conducted for the visiting conferences and conventions meeting at the Clemson House. From the middle of April until May 30 each year there is an average of four school groups coming by bus each week to visit our campus. Since most of these children are in the sixth grade and studying South Carolina history, many points of historical interest are to be found here.

Certainly, all of us welcome these school children because of the public relation value to the college, as well as the educational advantages to them. However, each year, as these groups increase in number, it is more difficult to find personnel with available time to conduct these tours, since practically every group, in arranging their visit, requests a guide.

For the coming year it is planned to confer with some of our leading student organizations on the campus, asking them to furnish selected members of their clubs, who have time, to help conduct these tours. Some plan of remuneration will be worked for the student or his club.

It is felt that the many visitors react favorably to the courtesies and hospitality they receive at Clemson.

YMCA

Aull, Chairman, R. F. Poole, President, ex officio; Cloeninger, Earle, Goodale, Green, J. C., Kinard, Littlejohn, J. C., Douthit, J. B., Trustee Member; Young, T. B., Trustee Member; Folger, T. A., Alumni Member; Henry, J. A., Alumni Member; President of YMCA, ex officio; Holtzendorff, P. B., Jr., General Secretary of YMCA, ex officio.

As always, the YMCA aims to administer to the physical, mental and spiritual needs of people. On the Clemson campus this aim is translated into a variety of programs and activities which touch uncounted numbers of students, faculty members and community residents at a multitude of points. The YMCA sponsors and contributes significantly to the intra-mural sports program for students; it conducts a day camp during the summer season for the children of the community; it takes a leading role in Religious Emphasis Week; and conducts student-faculty forum discussions, class councils, Bible studies, and vesper programs. It provides numerous opportunities for play, recreation, and social events.

The center of these activities is, of course, the YMCA building which also serves as a dormitory for certain special students and a few visitors. The present building was erected in 1915 and was extensively repaired on the exterior last year. The money for this purpose was borrowed from a Building Fund contributed by the Clemson Board of Trustees and funds
of the YMCA looking toward the time when a new and more modern auditorium and related facilities could be constructed. It is the desire of the Advisory Board that these funds be replaced as speedily as possible. Meanwhile there is great need for some interior improvements.

The Board hopes in the future to make the YMCA serve to an even greater degree a much larger number of people both on the campus and in the surrounding communities. To this end it solicits the interest and financial support of all who share with the YMCA a concern for the physical, mental and spiritual development of the people of Clemson.

Concert Series

Metz, Chairman; Burtner, Hill, G. H., Calif, Hunter, H. L., Lovett, Miss Shanklin, Vickery, Watson, D. J., President of Mu Beta Psi, President of the Senior Class, Editor of the Tiger.

The Concert Series was established in 1940 by approval of the Board of Trustees "for development of cultural taste and refinement through first-class entertainments." The Committee has not lost sight of this purpose and has through the years considered the Series as an educational program to develop an appreciation of music and the arts among students, faculty members, and people of the community. A few lighter or entertaining numbers, such as the Navy Band have been included as to entice the interest of students and others who have not yet developed an appreciation for classical and semi-classical music, but the major portion of the programs each year has consisted of the best artists and groups available in the music world. The program for 1952-1953 included Roberta Peters, coloratura soprano of the Metropolitan Opera Company, The Marine Band, The American Savoyards in Gilbert and Sullivan's "Patience", the Robert Shaw Chorale, the Philadelphia Symphony Orchestra, and Alexander Breilowsky, pianist. For 1953-1954, the program includes the Agnes DeMille Dance Theater, Luboshutz and Nemanoff, duo-pianists, John Brown's Body, the Gershwin Festival, and The New York Philharmonic Orchestra.

The Concert Committee has held numerous meetings throughout the session. In addition to planning the program for 1953-1954, the Committee (1) selected and purchased a new lighting system for the stage, (2) voted to extend the ceiling of the stage, (3) checked with an acoustical consultant who found the present general stage arrangement with diagonal side walls ideal for musical productions, (4) decided that certain conditions must be met by other organizations desiring to use the stage, and (5) established on an experimental basis for 1953-1954 a plan of selling a limited number of reserved-seat tickets.