MINUTES OF GENERAL FACULTY MEETING

Friday, January 29, 1954

The general faculty of Clemson College met in the Chemistry Building Auditorium at 4:30 p.m. on Friday, January 29, 1954, with Dean H. M. Brown presiding.

The secretary read the minutes of the September 1953 meeting and of the special meeting held on January 19, 1954.

As the next order of business, Dr. Brown called attention to the preliminary list of January graduates and to the deletion list, copies of both of which are appended to these minutes. It was moved and voted that the deletion list be approved.

Dr. Brown then recognized Deans Farrar, Kinard, Washington, and Sams, Professor Gaston Gage, and Dean Webb, who moved that the tentative lists of candidates from their respective schools as amended by the appended list of deletions be approved. It was so voted.

The registrar, Mr. Metz, thanked the faculty for their customary promptness in turning in grades and asked that they make a special effort to meet the Saturday noon deadline. He announced that graduation exercises would be held in the College Auditorium at 3 p.m. on Sunday, January 31, and that the faculty would assemble in the hall of Main Building between 2:30 and 3 o'clock, that they would march in academic procession, and that they would be seated on the platform.

President Poole, who had arrived late, called attention to the alumni loan fund which might be used by worthy students with good scholastic records.

Dean Brown called attention to three scholarships in the School of Textiles which were to be awarded on the basis of need.

The meeting was then adjourned at 4:50 p.m.

Respectfully submitted,

Joseph C. Green, Secretary

g/m
## PRELIMINARY LIST

### JANUARY 31, 1954

### CANDIDATES FOR BACHELORS' DEGREES

#### SCHOOL OF AGRICULTURE

**BACHELOR OF SCIENCE DEGREE**

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<td>Edward Morris Roat</td>
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<th>Carl Stanley Bates</th>
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<th>Moncks Corner</th>
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<td>Harold Jackson Greninger</td>
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<td>Jackson Edward Grice</td>
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<td>John Robert Wignanton</td>
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#### BACHELOR OF SCIENCE DEGREE

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<td>John Seagle Garrett, Sr.</td>
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### SCHOOL OF EDUCATION

#### BACHELOR OF SCIENCE DEGREE

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#### BACHELOR OF SCIENCE DEGREE

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<th>Taylors</th>
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<td>Easley</td>
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<td></td>
<td>Hugh Rogers Chambless</td>
<td>Anderson</td>
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<td>Robert Winston Dozier</td>
<td>Marion</td>
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<td>William Dewey England</td>
<td>Westminister</td>
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### SCHOOL OF MEDICINE

**PRELIMINARY LIST**

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### SCHOOL OF NATURAL RESOURCES

#### BACHELOR OF SCIENCE DEGREE

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<td>Emil Kieslinski von Glohin</td>
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SCHOOL OF ENGINEERING (Continued)

BACHELOR OF CHEMICAL ENGINEERING DEGREE

Jack Tompkins Moyd
George Joseph Simpson
Vanoco Whitley, Jr.

BACHELOR OF CIVIL ENGINEERING DEGREE

James Marvin Allison, Jr.
Robert Kenneth Austin
Richard Horton Barrow
Charles Reid Dauphins
Jack Henry Bailey
Daniel Mac Carmichael, Jr.
John Henry Bailey
George Joseph Simpson
Vascoe Whatley, Jr.
James Marvin Allison, Jr.
Robert Kenneth Austin
Charles Reid Dauphins
JAMES MARVIN ALLISON, JR.

BACHELOR OF ELECTRICAL ENGINEERING DEGREE

Daniel Hazil Brock
Olin Livingston Darby
James Allen Hattaway
Roy William Smith
Max Jean Turner

BACHELOR OF MECHANICAL ENGINEERING DEGREE

Harry Odom Rhodes
Raleigh Ward Powers, Jr.
David Grier Sherer

BACHELOR OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Chemistry
Textile Engineering

SCHOOL OF TEXTILES

BACHELOR OF SCIENCE DEGREE

Textile Chemistry
Textile Engineering

CANDIDATES FOR MASTERS' DEGREES

JANUARY 31, 1954

SCHOOL OF AGRICULTURE

MASTER OF SCIENCE DEGREE

Agricultural Economics

Animal Husbandry

Entomology

SCHOOL OF CHEMISTRY

MASTER OF SCIENCE DEGREE

Chemistry

SCHOOL OF EDUCATION

MASTER OF SCIENCE DEGREE

Education

Industrial Education

Vocational Agricultural Education

Clyde Corneilus Lucas

George Edward Smith, Jr.
Revision of Preliminary List of Candidates for Degrees

CANDIDATES FOR BACHELOR'S DEGREES

1. Honor Graduates:

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

2. Deletions from Printed List:

   School of Agriculture
   Major David Coleman, Jr. -- Animal Husbandry
   William Roy Garren -- Horticulture

   School of Engineering
   Hugh Rogers Chamblee -- Agricultural Engineering
   Michael McMillan -- Architecture
   Jack Tompkins Moyd -- Chemical Engineering
   Fred Vernon Phipps, Jr. -- Mechanical Engineering

   School of Textiles
   Joe Simpson Long -- Textile Manufacturing
   Robert Reese Willis -- Textile Manufacturing

CANDIDATES FOR MASTERS DEGREES

1. Deletions from Printed List:

   School of Agriculture
   John Michael Donelon -- Agricultural Economics
   Harold Eugene Walker -- Entomology

   School of Education
   Jacob Frederick Hyse -- Vocational Agricultural Education
# Final Cumulative Grade Point Ratios of Honor Graduates

January 31, 1954

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<tr>
<th>Name</th>
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<th>Major Course</th>
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<td>**With High Honor ** 3.50 - 3.79</td>
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<td>Nicholas George Forlidas, Jr.</td>
<td>3.63</td>
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<td>Bennette Earle Wilson</td>
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<td>**With Honor ** 3.00 - 3.49</td>
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<tr>
<td>George Burnett Brockenbrough</td>
<td>3.05</td>
<td>AgEn</td>
</tr>
<tr>
<td>Daniel Mac Carmichael, Jr.</td>
<td>3.31</td>
<td>ME</td>
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MINUTES OF GENERAL FACULTY MEETING

Friday June 4, 1954

The general faculty of Clemson College met in the Chemistry Building Auditorium at 4:35 p.m. on Friday, June 4, 1954, with President Poole presiding.

Following the reading by the secretary of the minutes of the preceding meeting, the President called attention to the preliminary list of June graduates and an addition and deletion list, copies of which are appended. As the first order of business, the addition and deletion list was approved.

Dr. Poole then recognized Deans Farrar, Kinard, Hunter, and Washington, who moved that the amended lists of candidates from their respective schools be approved. It was so voted.

Dean Sams then moved that the amended list from his school, further amended by the deletion of the name of Mr. Marcus Snoddy, be approved. It was so voted.

Deans Brown and Webb moved that the amended list and tentative list from their respective schools be approved. It was so voted.

The Registrar, Mr. Metz, gave details of plans for the baccalaureate sermon and commencement exercises to be held on Sunday, June 6.

The President asked Mr. Metz to make a statement on the thinking of the faculty council on the question of segregation. Mr. Metz stated that some consideration was being given to requiring entrance examinations in order to safeguard scholastic standards.

Dr. D. C. Sheldon, Chairman of the Committee on Scholarship and Honors, moved that the Norris medal be awarded to Mr. Joseph Lindsay III. It was so voted.

President Poole stated that the trustees had recently decided to use a section of the new barracks as a kind of union building and that the faculty would be provided with a lounge room.

He stated that room rent in the barracks and tuition would be increased at the beginning of the next session.

He thanked the faculty for what he considered another successful year. He called attention to the increased number of Ph.D. degrees that members of the faculty had earned. He extended best wishes to Professors Rhodes and Mitchell, who were expecting to be retired in the near future.

Professor LaMaster called a meeting of the local members of the South Carolina State Employees Association to be held immediately after the adjournment of the faculty meeting.
Col. Tull invited the faculty to attend a joint commissioning meeting to be held by the army and air force on Sunday afternoon at 3:30 in the amphitheatre.

The meeting was then adjourned at 5:20 p.m.

Respectfully submitted,

[Signature]

Joseph C. Green
Secretary
## The Clemson Agricultural College

### PRELIMINARY LIST of CANDIDATES FOR DEGREES

Registrar's Office
June 6, 1954

### CANDIDATES FOR BACHELORS' DEGREES

#### SCHOOL OF AGRICULTURE

**BACHELOR OF SCIENCE DEGREE**

**Agriculture—Agricultural Economics Major**

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<thead>
<tr>
<th>Name</th>
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<td>William Lloyd Adams</td>
<td>Cottageville</td>
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<tr>
<td>William Edgar Byrd</td>
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<tr>
<td>Charles Newton Erwin, Jr.</td>
<td>Brevard, N. C.</td>
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<td><em>Wilson Kliber Kaiser</em></td>
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**Agriculture—Agronomy Major**

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<td>Clarence Benjamin Elmore, Jr.</td>
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**Agriculture—Animal Husbandry Major**

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<tr>
<td><em>Charles Jarred Hammett</em></td>
<td>Kingston</td>
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<tr>
<td>Joe Patrick Herlong</td>
<td>Eldora</td>
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<td>Ross Arden Jameson</td>
<td>Liberty</td>
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<tr>
<td>Joan Kurgvel</td>
<td>Tallinn, Estonia</td>
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**Agriculture—Dairy Major**

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<tr>
<td>Fleeerwood Jennings Bass, III</td>
<td>Mullins</td>
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<tr>
<td>Jerol Kenneth Coleman</td>
<td>Columbia</td>
</tr>
<tr>
<td>Malcolm Campbell Johnson</td>
<td>Blackville</td>
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<tr>
<td>Joseph Lee, III</td>
<td>Londrum</td>
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<tr>
<td>Theodore Heyward McCurry</td>
<td>Sumter</td>
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<tr>
<td>Alva Laverna McCorkill, Jr.</td>
<td>Bishopville</td>
</tr>
<tr>
<td>Adam Eldridge Muckenlaufe</td>
<td>Meegett</td>
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<tr>
<td><strong>Bernard McIntyre Sanders, Jr.</strong></td>
<td>Cordova</td>
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**Agriculture—Entomology Major**

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<tr>
<td>Henry Derrick Blocker</td>
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<tr>
<td>Furman Reeves Gressette, Jr.</td>
<td>St. Matthews</td>
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<td>Jesse Franklin Sessions</td>
<td>Myrtle Beach</td>
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**Agriculture—Horticulture Major**

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<td>Gramling</td>
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<td>William Dunbar Burson</td>
<td>Aiken</td>
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<tr>
<td>William Fennell Craig</td>
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<td>William Joseph Cunningham</td>
<td>Lancaster</td>
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<td>Donald Busby Dunlap</td>
<td>Rock Hill</td>
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<tr>
<td>Robert Vance Frierson</td>
<td>Denmark</td>
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<tr>
<td>Willicm Roy Garren</td>
<td>Asheville, N. C.</td>
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<tr>
<td>Arthur Bonnell Schirmer, Jr.</td>
<td>Charleston</td>
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<tr>
<td>Arthur Thompson Wilson, III</td>
<td>Batesburg</td>
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**Agriculture—Poultry Major**

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<tr>
<td>Habez Nathaniel Padget</td>
<td>Saluda</td>
</tr>
<tr>
<td>John Robert Trout</td>
<td>Clemson</td>
</tr>
</tbody>
</table>
SCHOOL OF ARTS AND SCIENCES
BACHELOR OF SCIENCE DEGREE

Arts and Sciences

Thomas William Arnold  Seneca
Edward Thomas Brocken  Pittsburgh, Pa.
John Tobey Clemons  Kershaw
David Arthur Clyburn, Jr.  Charleston
William Robert Craig  Pickens
Luther Webb Daniel  Oxford, N. C.
William Howard Fayer, Jr.  Eastover

Lawrence Marion Gressette, Jr.  St. Matthews
Steve Campbell Griffith, Jr.  Newberry
*Robert Floyd Mixon  Clemson
Lamar Fleming Neville  Newberry
Philip Gendron Porcher, Jr.  Mt. Pleasant
James Edward Walker  Charleston

Pre-Medicine

Robert Preston Clark  St. George
**Joseph Lindsay, III  Clemson
*Wyman Lee Morris  Oktaha

SCHOOL OF CHEMISTRY
BACHELOR OF SCIENCE DEGREE

Chemistry

Carl Barnes Bishop  Bamberg
**Charles Elliott White  Wagener

Harold McCoy White  Camden
Raymond Howard Willingham  Newberry

SCHOOL OF EDUCATION
BACHELOR OF SCIENCE DEGREE

Education

Carl Arthur Bishop  Union
Lawrence Wayne Brock, Jr.  Greenville
Roy Poole Byars  Gaffney
William Lucas Collins  Georgetown
**Frank Hardy Denton  Dallas, Ga.

Ellerbe Orin Dukes, Jr.  North Augusta
Marion Dreher Gaskin, Jr.  Orangeburg
Marion Syrimba Rivers  Cheraw
James Glenn Shirley  Piedmont
David Kenneth Townsend  Bennettsville

Industrial Education

Edward Auther Hoover  North Charleston
Everett Francis James  Hingham, Mass.
Charles Linder Murphy  Anderson

Kinard Kelley Nations  Six Mile
Jack Byron Nixon  Conway
Carroll Watson Smith  Travelers Rest

Vocational Agricultural Education

William Wadsworth Bellamy  Bamberg
Fred Garrison Best  Gaitvants Ferry
Edwin Horace Brown  Woodruff
Joseph Elmo Coggins  Inman
Herbert Rucker Corbitt  St. Matthews
James Grover Flanagan  Clover
Edgar Walton Jones  Murrells Inlet
Frank Richardson Meech  Columbia
**Thomas Max Mintz  Blacksburg
Claude Lee Multwee  Spartanburg

Edwin Franklin Nolley  Mocksville, N. C.
Gene Austin Norris  Conway
*Ronald Morris North  Stockton, Ga.
Lucian Norwood Norton, Jr.  Nichols
Joe Watson O'Gain  Orangeburg
Ollen Eugene Rose, Jr.  Sardis
Euel Hudson Shelley  Nichols
Donald Dickert Smith  Columbia
James Hattley Suggs  Loris

SCHOOL OF ENGINEERING
BACHELOR OF SCIENCE DEGREE

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

Agricultural Engineering

Wendell Oliver Adams  Cottageville
George Howard Byars  Lowrys
Luther Howard Carroll  Westminster
Nesbit Harper Caughman, Jr.
Hugh Rogers Chamblee  Anderson
Olin Lemuel Craig, Jr.  Gateshee

Julian McKinnis Currie  Harleyville
Buell Milbern Ferguson  Brevard, N. C.
Jesse Johnce Floyd  Nichols
Quillon Curtis Lee, Jr.  Alcoha
*Wilbur Eugene Seigler  Wagener
John Hempill Sherer  Columbia
Broadus Marion Smith, Jr.  Trenton
***Cecil Jerome Walters  St. George
Architectural Engineering
Curtis Robert E. Fiske, B.Arch.----------------- Bostic
Petie J. Pollock, B.Arch.--------------------------- Spartanburg

Architecture
Edward Hewett Buice, Jr.---------------------- Columbus
Theodore Alexander Batts------------------ Port Morris, N. J.
Michael Vincent Campbell---------------------- Greenville
James Rous Consell------------------------ Pickens
Hillard Gulifosm Haynes, II------------------------------ Orangeburg
*Tracy Howard Jackson--------------------- Clemson

BACHELOR OF ARCHITECTURE DEGREE
Edward Hewett Buice, Jr.---------------------- Columbus
James Rous Consell------------------------ Pickens
Carl Boykin Brabham------------------------ Dalzell
James Austin King, Jr.------------------------ Florence
James Edward Harris------------------------ Greenwood
Joseph Eben Hanna------------------------ Woodruff
Richard Ernest Campbell------------------------ Anderson
Newell Franklin Gravely-------------------------- Greenville
Charles Claude Grady, Jr.---------------------- Spartanburg
Clifton Moody McClure, III---------------------- Greenville
Thomas Richard Anderson------------------------ Newberry
Herbert Duane Bickley------------------------ Newberry
Hilliard Galbraith Haynes, II------------------------ Orangeburg
John Stanley Carlisle, Jr.---------------------- Spartanburg
Louis Gourdin Darby------------------------ Charleston
Robert Stephen Calabro------------------------ Ridgewood, N. J.
Arthur Lamar Coogler------------------------ Chester
*Tracy Howard Jackson------------------------ Clemson
Clyde O'Neil Howie------------------------ Mooresville, N. C.
Charles Franklin Davenport, Jr.----------------- Greenville
Clifton Moody McClure, III---------------------- Anderson
Thomas Franklin Ballentine------------------------- Blythewood
Thomas Bernard Bradley------------------------ Newberry
James Evan Duffy------------------------ White Plains, N. Y.
Edward Meynardie Hefley------------------------ Rock Hill
James Harold Erskine------------------------ Anderson
Jones Arnold Gaillard------------------------ Florence
Emerson Edwards Andrishok------------------------ Darlington
Theodore Allen Banz------------------------ Ridgewood, N. J.
Thomas Anthony McCullough------------------------ Greenbrier

BACHELOR OF ELECTRICAL ENGINEERING DEGREE
James Hagood Sams, III---------------------- Columbia
Orlando Fry Smith------------------------ Hillsboro Heights, Canal Zone
Wesley Frank Waddell------------------------ Brownson

BACHELOR OF MECHANICAL ENGINEERING DEGREE
Van Scy Berridge------------------------ Spartanburg
Eliza Jean Opal------------------------ Port Norris, N. J.
Vernon Laster Coward------------------------ Columbus Falls
*Herschel Edmund Ernst------------------------ Columbus Falls
*Robert Bartlett Dupree, Jr.------------------------ Anderson
George Bordman, Sr.------------------------ Florence
James Harold Frickie------------------------ Anderson
Price C. Fox, Jr.------------------------ Piedmont
*James Edmund Brown------------------------ Rock Hill
John Thomas Jackson, Jr.------------------------ North Augusta
Charles Wilbur Hupp, Jr.------------------------ Greenwood
*Herbert Vivian Humphries, Jr.------------------------ Sumter
Harry Willium Ingram------------------------ Rockingham, N. C.

SCHOOL OF TEXTILES

Caswell Institute of Textile Education

Jodie Leslie Collins------------------------ Campobello
Louis Donhuman Durham------------------------ Florence
*Hayward Carter Hurt------------------------ Greenwood

*Harold Earl Brandt------------------------ Greenwood
Thomas Dennis Stroh------------------------ Newberry
John Stanley Cottri------------------------ Laurens
William James Chappar------------------------ Charlotte, N. C.
*Max Ulmen George------------------------ Lancaster
*James Gary Grady------------------------ Ware Shoals
Adolphus Parsons Hearn------------------------ Denmark
Edmond Maynardly Hefley------------------------ Rock Hill
Clyde O’Neill Howie------------------------ Monteville, N. C.
William Derrick Knight------------------------ Aiken

Textile Engineering
Herbert Hoover Pearson------------------------ Woodruff
Wendell C. Wilson------------------------ Sumter
Emmette Sherman Murray------------------------ Cleveland
*John Thomas Jackson, Jr.------------------------ Rock Hill
Robert Billups Plowden, Jr.------------------------ Sumter
Herbert Hoover Pearson------------------------ Woodruff

Textile Manufacturing
Jimmie Philip Anderson------------------------ Piedmont
Thomas Richard Anderson------------------------ Newberry
Thomas Franklin Baldwin------------------------ Charleston
Theodore Allen Banyon------------------------ Ridgewood, N. J.
Lettie B. Oldham------------------------ Sumter
Carl Byrum Bramham------------------------ Deland
Robert Stephen Calabro------------------------ Aiken
Franklin Squier, N. Y.
Franklin Squier, N. Y.
Franklin Squier, N. Y.
Franklin Squier, N. Y.
Franklin Squier, N. Y.
Franklin Squier, N. Y.
Franklin Squier, N. Y.
"Edward Evans--------Barnesville, N. C.
John Thomas Messer------------------------ Inman
Robert Simpson Leer------------------------ Spartanburg
Joseph Thinker Miller------------------------ Carolina, N. C.
Robert Thomas Mitchell------------------------ Greenville
Davie Tatum Sumball------------------------ Myrtle Beach
*George Ross Morgan, Jr.------------------------ Greenville
Emmett Sherman Murray------------------------ Cleveland
James Hayden Scott------------------------ West Columbia
Edward Joseph Ranney------------------------ Eutawville
Claude P. Cotlar------------------------ Charleston
James Lawrence Sewu------------------------ Winnsboro
Harry Lee Sweeney------------------------ Greenwood
Jefferson Daniel Snead------------------------ Columbia

"With honor
"With highest honor
CANDIDATES FOR MASTERS' DEGREES

SCHOOL OF AGRICULTURE
MASTER OF SCIENCE DEGREE

Entomology
Jack Dent Early ------------------- Florence Harold Eugene Walker ----------- Anderson

Zoology and Entomology
James Decatur Boykin ______ Georgetown

SCHOOL OF ARTS AND SCIENCES
MASTER OF SCIENCE DEGREE

Physics
Jimmie Alan Suddeth ______ Bethesda, Md.

SCHOOL OF CHEMISTRY
MASTER OF SCIENCE DEGREE

Chemistry
William Donald Jacobs _______ Charleston

SCHOOL OF EDUCATION
MASTER OF SCIENCE DEGREE

Vocational Agricultural Education
Jacob Frederick Wyse _______ Johnston

SCHOOL OF TEXTILES
MASTER OF SCIENCE DEGREE

Textile Chemistry
Peter August Cook _______ Spartanburg William Luther Mathias _______ Lexington
Revision of Preliminary List of Candidates for Degrees

1. Honor Graduates:

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

2. Addition to Printed List:

Bobby Leo Spearman – Textile Manufacturing
(Diploma awarded posthumously)

3. Deletions from Printed List:

School of Agriculture

Luther Howard Carroll --------------Agricultural Engineering
William Roy Garren ------------------Horticulture
Henry Clay Morris, Jr. ---------------Animal Husbandry

School of Education

Joe Watson O’Cain -------------------Vocational Agricultural Education

School of Engineering

Theodore Alexander Butts --------------Architecture
Richard Ostrander Hull, Jr. -------------Chemical Engineering
Henry William Ingram -----------------Mechanical Engineering
Jack Tompkins Moyd -------------------Chemical Engineering
Stephen Francis Peszka ---------------Electrical Engineering

School of Textiles

James Wideman Phillips, Jr. --------------Textile Engineering
Robert Billups Flowden, Jr. --------------Textile Engineering
Roy Cecil Southerlin ------------------Textile Manufacturing
Arthur Bythewood Swett ---------------Textile Engineering
<table>
<thead>
<tr>
<th>Name</th>
<th>G.P.R.</th>
<th>Major Course</th>
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<tbody>
<tr>
<td><strong>With Highest Honor *** 3.80 and above</strong></td>
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<tr>
<td>Joseph Lindsay, III</td>
<td>3.96</td>
<td>Pre-Medicine</td>
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<td>Cecil Jerome Walters</td>
<td>3.83</td>
<td>Ag En</td>
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<td><strong>With High Honor ** 3.50 - 3.75</strong></td>
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<tr>
<td>Jerry Edward Dempsey</td>
<td>3.71</td>
<td>ME</td>
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<tr>
<td>Frank Hardy Denton</td>
<td>3.56</td>
<td>Ed</td>
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<tr>
<td>Robert Bertram Dupree, Jr.</td>
<td>3.57</td>
<td>ME</td>
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<tr>
<td>Hugh Chapman Humphries, Jr.</td>
<td>3.66</td>
<td>ME</td>
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<tr>
<td>James Thomas McCarter</td>
<td>3.59</td>
<td>ME</td>
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<tr>
<td>Thomas Max Mintz</td>
<td>3.72</td>
<td>VAE</td>
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<tr>
<td>William Furman Moore, Jr.</td>
<td>3.52</td>
<td>TC</td>
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<tr>
<td>George Rose Morgan, Jr.</td>
<td>3.58</td>
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<tr>
<td>Philip Raymon Nickles</td>
<td>3.58</td>
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<td>Marvin Reu Reese, Jr.</td>
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<td>Charles Elliott White</td>
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<td><strong>With Honor * 3.00 - 3.49</strong></td>
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<td>William Lloyd Adams</td>
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<td>Carl Barnes Bishop</td>
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<td>Benjamin Kilgore Chretzberg, Jr.</td>
<td>3.05</td>
<td>TM</td>
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<td>James Grover Flanagan</td>
<td>3.00</td>
<td>VAE</td>
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<td>Max Ulmer Gainer</td>
<td>3.21</td>
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<td>James Edward Gause</td>
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<td>James Gary Gray</td>
<td>3.42</td>
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<td>3.64</td>
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<td>Elias Alford McCormac</td>
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<td>Hugh Eugene McCoy, Jr.</td>
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<td>Derrel Chester Martin, Jr.</td>
<td>3.17</td>
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<td>Robert Floyd Mixon</td>
<td>3.06</td>
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<td>Sam Barrow Murphree, Jr.</td>
<td>3.09</td>
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<td>Ronald Morris North</td>
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<td>Heber Nathaniel Padget</td>
<td>3.04</td>
<td>Foul</td>
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<tr>
<td>John Snowden Wilson Parham</td>
<td>3.17</td>
<td>AH</td>
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<td>John Barr Polson</td>
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<td>Hulic Boney Ratterree</td>
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<td>James Hagood Sams, III</td>
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<td>Wilbur Eugene Seigler</td>
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<td>Henry Ray Williams</td>
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<tr>
<td>Samuel McBride Witherspoon, Jr.</td>
<td>3.01</td>
<td>Pre-Med</td>
</tr>
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</table>
MINUTES OF GENERAL FACULTY MEETING

Friday August 13, 1954

The general faculty of Clemson College met in the Chemistry Building auditorium at 4 o'clock on Friday August 13, 1954, with President Poole presiding.

Mr. Metz, the Registrar, called attention to the preliminary list of candidates for degrees and a deletion list, copies of which are appended. He stated that one student, Mr. A. L. Watson, had completed his work for his degree after the tentative deadline and suggested that Mr. Watson's name be removed from the deletion list. His suggestion was approved.

It was then moved and seconded that the amended deletion list be approved. It was so voted.

Dean Jones, acting for Dean Farrar, Dean Kinard, Dean Webb, acting for Dean Hunter, and Deans Washington, Sams and Brown moved that the amended lists of candidates from their respective schools be approved. It was so voted.

Dean Webb then moved that the amended list of candidates for the Master's degree be approved. It was so voted.

Mr. Metz announced plans for commencement exercises to be held in the Amphitheatre at 6 o'clock on Saturday, August 14.

President Poole stated that an enrollment of 2550 was expected in September; that he hoped that the wide-spread drouth would not reduce the number; that the contractors promised to have the barracks, kitchen, and mess hall ready by Sept. 13.

He expressed his appreciation of the faculty's cooperation in arranging the special late-summer courses for R.O.T.C. students who had attended camp; called for continued effort in counselling and guidance; asked that as many as possible help with the visitors during Farmers' Week; thanked the faculty for a successful summer session and wished them a pleasant vacation.

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

Respectfully submitted,

J. C. Green, Secretary
### PRELIMINARY LIST

**AUGUST 14, 1954**

**CANDIDATES FOR BACHELORS’ DEGREES**

**SCHOOL OF AGRICULTURE**

**BACHELOR OF SCIENCE DEGREE**

**Agriculture—Agricultural Economics Major**
- Richard Herbert Long
  - Union
  - Haysville, N. C.
- Edwin Earl Sampsayrac
  - Society Hill

**Agriculture—Agronomy Major**
- Jack Leof Allen
  - Latta
  - Hymen
- John Montgomery Little, III
  - Union
  - Hemingway
- Nathan Clifford Maclin, Jr.
  - Dillon

**Agriculture—Animal Husbandry Major**
- Laund McElroy Bredshaw
  - Gooseville
  - Edgewood
- Leon Allston Davis, Jr.
  - Cope
  - Florida
- Frank Lever James
  - Miami Springs, Fla.
- Henry Clay Morris, Jr.
  - Olin

**Agriculture—Dairy Major**
- Howard Setziem Rowe
  - West Palm Beach, Fla.

**Agriculture—Entomology Major**
- Michael Anthony Fischer
  - Brooklyn, N. Y.

**Agriculture—Horticulture Major**
- Harry McClure Burnett
  - Spartanburg
  - Sumter

**SCHOOL OF ARTS AND SCIENCES**

**BACHELOR OF SCIENCE DEGREE**

**Arts and Sciences**
- Archibald Earle Baker
  - Charleston
  - Summerville, S. C.
- Fred Sam Wallace, Jr.
  - Norfolk, Va.
- Spencer L. Woodard
  - Summit, N. J.

**Industrial Physics**
- Lewis Jolly
  - Union

**Pre-Medicine**
- Arthur Galliard Gower, III
  - Vienna, Va.
- McKeth Olis Parsons
  - Andrews

**SCHOOL OF CHEMISTRY**

**BACHELOR OF SCIENCE DEGREE**

**Chemistry**
- Howard Lee Setzer, Jr.
  - Candler, N. C.
- Candler, N. C.

**SCHOOL OF EDUCATION**

**BACHELOR OF SCIENCE DEGREE**

**Education**
- Dillard Elwood Mastler
  - Walhalla
- Charles Luke Morris
  - Aiken

**Industrial Education**
- Lawrence Harry Fri
  - Bradenton, Fla.
- William Boskin Lawrence, Jr.
  - Greenville
- Kenneth Paul Whitsitt
  - Six Mile

**Vocational Agricultural Education**
- Olin Durham Blackwell
  - Inman
- Charles Edison Lancaster
  - Tabor City, N. C.
- Newell Anthony Myers
  - Orangeburg
- Joe Watson O’Coin
  - Orangeburg
- Samuel Joseph Pheayer
  - Columbia
- Minnie Frances Sheppard
  - Rockingham, N. C.
- James Duncan Wells, Jr.
  - Columbia

**SCHOOL OF ENGINEERING**

**BACHELOR OF SCIENCE DEGREE**

**Agricultural Engineering**

(Engineering Program is jointly administered by the School of Agriculture and the School of Engineering.)
- Luther Howard Carroll
  - Westminster
- David Estelle Craig
  - Pendleton
- Jack Brunson Cudwin
  - Lake City
- Earl Eaton Jordan
  - Orangeburg

**Architectural Engineering**
- William Joel Perry
  - Timmonsville

**Architecture**
- Theodore Alexander Bates
  - Ruston, N. C.
- Robert Brown Cunningham
  - Columbus
- Richard Allen McKohn
  - Columbus
- Martin Ansel Akins, Jr.
  - Taylors

**BACHELOR OF CERAMIC ENGINEERING DEGREE**
- Charles Clifford Fair
  - Spartanburg

**BACHELOR OF CHEMICAL ENGINEERING DEGREE**
- Richard Carveraud Hill
  - Rocky River, Ohio
BACHELOR OF CIVIL ENGINEERING DEGREE
Nicholas Peter Anastasi Greenwood
Thoms Ralph Rosemond Greenville

BACHELOR OF ELECTRICAL ENGINEERING DEGREE
Stephen Francis Fawcett Norristown, Pa.

BACHELOR OF MECHANICAL ENGINEERING DEGREE
Samuel Paul Anderson, Jr. Laurens
Walter Jackson Banks, Jr. Bristol, Tenn.
James Richard Hearder Charlotte, N.C.
Nathan Wiley Melbrook Nashville, Tenn.

SCHOOL OF TEXTILES
Arthur Louis Watson Spartanburg

SCHOOL OF TEXTILES
Textile Chemistry
Robert Billups Flowden, Jr. Sumter

SCHOOL OF TEXTILES
Textile Engineering
Arthur Bythwood Swett Greenville

SCHOOL OF TEXTILES
Textile Manufacturing

CANDIDATE FOR PROFESSIONAL DEGREE
SCHOOL OF ENGINEERING
PROFESSIONAL DEGREE OF ELECTRICAL ENGINEER
Olar Thompson Hinton, Jr. Pickens

CANDIDATES FOR MASTERS' DEGREES
AUGUST 14, 1954
SCHOOL OF AGRICULTURE
MARTER OF SCIENCE DEGREE
Agricultural Economics
Ralph Crenshaw Latham Atlanta, Ga.

SCHOOL OF CHEMISTRY
MARTER OF SCIENCE DEGREE
Chemistry
Edgar Lowell Steele Clemson

SCHOOL OF EDUCATION
MARTER OF SCIENCE DEGREE
Education
Zora Butte Barnett Westminster

SCHOOL OF EDUCATION
MARTER OF SCIENCE DEGREE
Industrial Education
Edgar Miles Berry North Charleston

SCHOOL OF EDUCATION
MARTER OF SCIENCE DEGREE
Vocational Agricultural Education
Lewis Jennings Corcor Wompaw
THE CLEMSON AGRICULTURAL COLLEGE
Registrar's Office
August 13, 1954

REVISION OF PRELIMINARY LIST OF CANDIDATES FOR DEGREES

Deletions from Printed List

1. Candidates for Masters' Degrees

School of Education
Parker Watson Hall ................ Vocational Agricultural Education

2. Candidates for Bachelors' Degrees

School of Agriculture
Leon Allison Davis, Jr. ............. Animal Husbandry
John James Snow, III ............... Agronomy

School of Education
Sam Lucius Jackson, Jr. .......... Vocational Agricultural Education
Joe Watson O'Cain ................. Vocational Agricultural Education

School of Engineering
Nathan Wiley Holbrook ............ Mechanical Engineering
Richard Allen McMahan ............ Architecture
William Joel Perry ................. Architectural Engineering

School of Textiles
Arthur Louis Watson ............... Textile Chemistry
MINUTES OF GENERAL FACULTY MEETING
Monday Sept. 6, 1954

The general faculty of Clemson College met in the college auditorium at 4 p.m. on Monday Sept. 6, 1954, with President Poole presiding.

After a word of greeting, the President called on the secretary to read the minutes of the June and August meetings. The minutes were approved after the terms "barracks" and "mess hall" were changed to read "dormitories" and "dining hall".

The President then recognized Dean Farrar, who introduced Dr. R. W. Carter, Director of the Livestock Sanitary Division. Dean Farrar then introduced new faculty members in his school; their names are included in the appended list of recent additions to the college staff.

Dean Washington then introduced additions to his faculty.

Dean Sams, before introducing his new staff members, stated that Prof. D. Hodge had retired at his own request because of his health. Dean Sams stated further that Prof. J. C. Cook had at Prof. Fernow's request taken over the duties of the headship of the mechanical engineering department and that Prof. E. A. Gunning had been appointed to act as head of the department of architecture in the place of Prof. Gates, who had resigned.

Dean Hunter introduced three new instructors, and Dean Kinard introduced one new instructor and two graduate assistants.

Dean Brown introduced one new instructor.

Col. Werner and Col. Tull introduced new members of their respective staffs. Col. Werner called attention to the change in regulations whereby participation in the military program has been made voluntary after the first two years. Both Col. Werner and Col. Tull called attention to the higher standards that had been set in an endeavor to turn out the highest type of officers.

President Poole then introduced Dr. Frank Jervey, President of the Clemson Alumni Corporation, who had been awarded the honorary degree of Doctor of Science by Clemson College several years ago. Dr. Jervey in a brief speech expressed the alumni's appreciation of the efforts of the faculty and stated that he thought that Clemson was the greatest college in the country.

President Poole called attention to the fact that Dr. Jervey was responsible for arousing the interest of officials of the Olin Foundation and ultimately securing the gift of Olin Hall, the new ceramics building.

Dr. Poole then recognized Mr. Gourlay, the Librarian, who introduced a new member of his staff.

Mr. Metz, the Registrar, gave details of plans for registration, said that approximately 800 freshmen were expected, called attention to the concert series, and stated that during the summer the deans and directors had set the quality
requirement for graduation at 1.7 for the years 1956-1958. He stated further that the deans and directors had given some study to the question of establishing a quality requirement for remaining in college.

Dr. Poole thanked the committees for their reports, copies of which are appended. He said that there was a possibility of Clemson's securing an airport and a modernized railroad station; that Farm and Home Week had been a great success; that the contractors had set Oct. 15 as the date for the completion of the dormitories and dining hall but that the first meal in the new dining hall would be served on Sept. 13.

He called attention to the fact that one of Clemson's trustees, Mr. C. E. Daniel, had been given an interim appointment to the U. S. Senate and that another trustee, Mr. Edgar Brown, had been nominated by the Democratic Executive Committee for the full term to succeed Sen. Maybank.

He stated that paddling of freshman had been abolished and asked that anyone knowing of a violation of the ban convey the information to him; and he said that perhaps some day there would be no freshman service. He stated that Texas A. & M. College had made participation in the military program optional all the way through.
THE PRESIDENT'S OFFICE

RECENT ADDITIONS TO THE COLLEGE STAFF

Abel, Arthur H., Instructor in English; B.A. and M.A. State University of Iowa, Graduate work at University of Pennsylvania; Protestant; Married; 4-A Clemson Homes.

Adams, Grey L., 1st. Lieutenant USAF; Episcopalian; Married.

Ballentine, Thomas F., Instructor in Knitting; B.S. Clemson College; Methodist; Single.

Benson, James W., Technical Sergeant USAF; Baptist; Married; Trailer on Palmetto Boulevard.

Bradley, Robert C., Associate Director of Public Relations and Alumni Secretary; B.S. Clemson College; Methodist; Married; 4-D Clemson Homes.

Brown, Charles C., Instructor in Geology; B.S. and M.S. University of North Carolina; Methodist; Married; Hillford Garage Apartment, Hedgerow Lane.

Clemons, C. M., Sergeant First Class USA; Baptist; Married.

Davis, Robert E., Captain USA; Methodist; Married; Highland Drive.

Eldridge, Lawrence W., Master Sergeant USAF; Methodist; Married; Pre-Fab 89, Morrison Road.

Fain, Charles C., Instructor in Ceramic Engineering; B.Cr. En. Clemson College; Baptist; Married; 6-C Clemson Homes.

Graves, Charles P., Instructor in Architecture; B.S. and B.Arch. Georgia Institute of Technology; Episcopalian; Married; Clemson Homes.

Hamilton, Max Greene, Associate Horticulturist and Associate Professor of Horticulture; B.S. N. C. State College and Ph.D. Cornell University; Baptist; Married; 9-D Clemson Homes.

Hendlin, Dale Lee, Assistant Professor of Animal Husbandry; B.S. Kansas State College and M.S. Texas A. and M. College; Presbyterian; Married; 7-D Clemson Homes.

Howell, John E., Circulation Librarian; B.A. Furman University, B.A.L.C. Emory University, M.S. University of Illinois; Baptist; Single; Newman Brick Apartments.

Irving, Kenneth J., CWO USA; Presbyterian; Single; Trailer Park Old Seneca Highway.

Jones, Loiton G., Master Sergeant USAF; Methodist; Married; 4-D Clemson Homes.

Kramer, Edward C., Jr., Instructor in Chemistry; B.S. Wagner College and M.Sc. Virginia Polytechnic Institute; Lutheran; Single.

Langdon, Charles H., Master Sergeant USA; Methodist; Married; 6-B Clemson Homes.
Love, James M., Assistant State Veterinarian; D.V.M., Alabama Polytechnic Institute; Presbyterian; Married; Pendleton Road.

Motes, Marshall M., Major USA; Married.

Naber, Edward Carl, Assistant Poultryman; B.S., M.S., Ph.D. University of Wisconsin; Lutheran; Married 2-C Clemson Homes.

Newman, Robert C., Major USAF; Methodist; Married; Edgewood Drive.

O'Hanlon, Joseph F., Captain USA; Catholic; Married; 10-B Clemson Homes.

Pitner, J. E., Professor of Agronomy and Agronomist and Head of Agronomy Department; B.S. and M.S. Mississippi State College and Ph.D. University of Wisconsin; Church of Christ; Married; 3-A Clemson Homes.

Poole, James C., Jr., Master Sergeant USA; Methodist; Married; 2-A Clemson Homes.

Rhynes, John W., Jr., Instructor in Chemistry; L.S. The Citadel and M.S. University of Massachusetts; Episcopal; Married; 10-E Clemson Homes.

Thurston, James N., Professor and Head of Electrical Engineering Department; B.E.E. Ohio State University, S.H. and Sc.D. Massachusetts Institute of Technology; Presbyterian; Married; 120 Seneca Road.

Sanders, Paul, Captain USA; Episcopal; Married; Oak Street.

Speer, W. A., Associate Professor of Architecture; B.S. Clemson College; Presbyterian; Married; 7-C Clemson Homes.

Wilson, Hugh H., Associate Professor of Ceramic Engineering; B.S. and M.S. North Carolina State College and Ph.D. Ohio State University; Methodist; Married; 7-A Clemson Homes.

Graduate Assistants

Corbin, John K., Physics; B.S. Wake Forest College; Baptist; Single.

Cruz, Calvin J., Chemistry; B.S. New Bedford Institute of Textiles and Technology; Catholic; Single; Barracks.

Eason, H. K., Textiles; B.S. College of Charleston; Methodist; Single.

Hoover, E. A., Education; B.S. Clemson College; Catholic; Married; Pre-Fab 163.

Howard, Andrew S., Physics; B.S. Presbyterian College; Baptist; Single.

Hmann, Philip R., Chemistry; B.A. Elon College; Congregational Christian; Single.

Newton, A.F., Education; B.S. Clemson College; Methodist; Married, Greenville Hwy.

Fadgett, J. H., Ag. Economics; B.S. Clemson College; Baptist; Single.

Routh, William; Chemistry; B.A. and B.S. High Point College; Methodist; Single.

Siriotis, N. G., Chemistry; B.S. High Point College; Greek Orthodox; Pre-Fab 240.

Turner, D. E., Ag. Economics; B.S. Pennsylvania State University; Methodist; Single.
FACULTY COMMITTEE REPORTS FOR 1953-1954

Admissions
K. N. Vickery - Chairman

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 1953 at the close of the 1952-1953 session, 296 students did not meet the requirements for continuing enrollment in September 1953. Of this number 109 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, 187 students still remained ineligible for continuing enrollment at Clemson. Many appeals from this group were considered by the Committee on Admissions, with the result that 14 students were permitted to continue their enrollment. This left a total of 173 students ineligible to return to Clemson for the first semester of the 1953-1954 session. Of this number 77 were first year students.

In June 1954, at the close of the 1953-1954 session, 318 students did not meet the requirements for continuing enrollment in September 1954. Of this number, 134 are attending summer school at Clemson, and 31 are attending summer schools at other institutions.

Athletics
L. W. Milford - Chairman

The Athletic Council has had five official meetings during the past year to consider various phases of athletics and the development of the Atlantic Coast Conference.

During the past year our athletic teams lost more games, as a whole, than we won; however, our teams were very reputable and in most cases displayed good sportsmanship and made all athletic games a real contest. Our baseball team won the championship of the Atlantic Coast Conference.

On May 8, 1953 at Sedgefield Inn, Greensboro, North Carolina, the new Atlantic Coast Conference was formed. The efforts during the past year have been spent mostly in reorganization and in getting into action the workings of the member institutions. It is the general sentiment of the eight schools in the conference that as nearly as possible a round robin schedule should be played in all sports. There will be exceptions and Clemson may alternate Duke and the University of North Carolina playing one team one year and the other the next. The Athletic Directors have been instructed and they are planning their schedule along this line.

A football schedule has been arranged for 1954, 1955, 1956 and 1957. Since we shall play large schools competition will be keener in all intercollegiate sports. It means longer hours and harder work for our coaching staff because we do hope to have a playing conference. The organizational work is practically completed for the Atlantic Coast Conference with the exception of electing a Commissioner and establishing a booking office for officials. This was attempted at the regular semi-annual meeting in May but was postponed.
Your faculty representative explained that Clemson was opposed to a Commissioner unless rules and regulations were set up whereby the Commissioner would have authority to penalize institutions for violation of conference rules and regulations. This has been accomplished and a called meeting will be issued in the near future to consider the election of a Commissioner and the establishing of a booking office.

At a recent meeting of the Athletic Council a committee previously appointed by the Chairman of the Athletic Council, presented rules and regulations which were adopted for future guidance in the operation of the Athletic Council and the Athletic Department including the coaches. Two important suggestions which were adopted came from the President and it is hoped that in the future these will be of great benefit to members of the Athletic Council and the coaching staff.

For the past 2½ years it has been my pleasure to be a member of the Athletic Council and as such to be associated with some of the finest men I have ever known. I shall look back with pleasure to this long association with them and with the coaching staff. Although the Southern Conference and the Atlantic Coast Conference have not always moved along as smoothly as our own Athletic Department, my association with the faculty members representing the various institutions has also been marked by many memorable meetings. Had it not been that my doctors advised me to cut down on my activities I would continue in an active capacity as Chairman of the Athletic Council and as Faculty Representative.

I shall always be interested in the activities of the Athletic Department and hope for the continued success of our athletic teams.

Buildings and Grounds
D. J. Watson - Chairman

The Buildings and Grounds Committee has had several meetings and considered things which were reported to it or things that seemed necessary for this Committee to take action upon.

We are presenting herewith a brief resume of the proceedings of these meetings throughout the fiscal year 1953-1954:

This Committee had a meeting on October 15, 1953 and recommended that it would be a good idea to put the name on each building on the campus. It was decided that the name "Buildings and Grounds Department" be placed on that building. The Committee also considered the construction of a greenhouse in the vicinity of the Buildings and Grounds area. It was decided to delay the decision as to where this greenhouse should be placed until more information could be obtained as to the desirability of the location.

The Committee recommended that the New Chemistry Building be named Brackett Hall, the Old Chemistry Building be named Hardin Hall, and the Agricultural Engineering Building be named McGinty Hall.

The Committee also had a meeting to consider a parking area for student cars. Due to the fact that 196 parking spaces would be eliminated in the present student parking area on account of new barracks, it was recommended that the ravine between the Service Division and Field House be filled in and levelled to accommodate parking of cars in this area. It was also recommended that all available space between Williamson Road, Water Street, and Calhoun Circle, in and around the Filter Plant be used as a parking area for cars.
Calendar
W. T. Cox - Chairman

Since attendance at the called meetings of the Calendar Committee was generally poor, the Chairman adopted the plan of mailing a postal card to each member to remind him of the deadline for receiving news for the monthly calendar. This seems to have worked fairly satisfactorily although it is still felt that lack of interest on the part of some members results in insufficient coverage. Individuals in the community often call the office to ascertain what is scheduled for certain times and to request that meetings be placed on the weekly or monthly calendar.

Catalog
K. N. Vickery - Chairman

The Catalog Committee did not have a formal meeting during the year; however, members of the Committee were consulted informally concerning the 1953-1954 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, 1954. Seven thousand copies of this edition were printed.

A number of copies of the 1952-1953 catalog were wrapped for mailing as an experiment. This method of mailing was found to have many advantages over the envelope method formerly used, with the result that a special manila wrapper was printed for this purpose and four thousand copies of the 1953-1954 edition were wrapped for mailing by the printer.

Concert Series
G. E. Metz - Chairman

The Concert Series has held numerous meetings throughout the session for the purpose of making plans for each concert as well as to select the programs to be presented in 1954-1955. In addition, the committee has continued to give attention to the need for more appropriate physical facilities for the concerts.

The Athletic Department has been most cooperative in making the Field House available for the concerts and the Service Division of the college has worked untiringly to help us adapt the physical facilities to the needs of various concerts. However, whenever a concert involving more than single artists is presented, difficulties in staging are almost always encountered. It has been necessary to present ballets without scenery, operas with limited scenery, and the limitations on physical facilities have prevented us from having a number of outstanding programs. The committee feels that a new auditorium is a most urgent need in the building program of the college, and also that in planning such an auditorium proper attention should be given to its use for concerts, especially from the standpoint of adequate facilities for staging outstanding productions.

The program for 1954-1955 includes the following numbers: Navy Band, Boris Goldovsky's production of "The Barber of Seville", The Boston Pops, Nedine Conner and Brian Sullivan, Ballet Russe de Monte Carlo, and Artur Rubinstein.
Curricula
F. M. Kinard - Chairman

The Committee on Curricula has met on the average of once a month during the 1953-54 session. It has considered numerous requests for new courses and changes in curricula and from time to time has considered special matters. Requests approved by the Committee have been recommended to and approved by the President's Council of Deans and Directors.

During the year the Committee and the Deans and Directors have approved general revision of the major work in the curricula in Chemistry and Industrial Physics. Minor adjustments have been approved in the following curricula: Agricultural Economics; Animal Husbandry; Entomology and Pre-medicine.

The Committee and subsequently the Deans and Directors approved these new courses as summarized below by schools:

1. School of Agriculture
   - Ag. Eng. 360
   - A. H. 504
   - A. H. 505

2. School of Arts and Sciences
   - Econ. 313
   - Phys. 101-102
   - Phys. 205
   - Phys. 575
   - Rel. 307

3. School of Chemistry
   - Chem. 323-324

4. School of Education
   - Educ. 275
   - Educ. 321
   - Educ. 322
   - Educ. 327
   - Educ. 356
   - Educ. 446
   - Educ. 460
   - Educ. 491
   - Educ. 513
   - Music 103
   - Music 104
   - Music 405

5. School of Engineering
   - Ind. Eng. 303

In addition to approving new courses the Committee and subsequently the Deans and Directors have approved changes in the organization, scope, or number of credit hours for other courses. In a few cases new courses under new numbers were approved to replace courses. A summary of the approved changes or replacements follows:

1. School of Arts and Sciences
   - Eng. 431
   - Rel. 201
   - Phys. 312
   - Phys. 441
   - Phys. 451 replaces 301
   - Phys. 453 replaces 303
   - Phys. 443 replaces 304
   - Phys. 341 replaces 441 (in part)
   - Phys. 343 replaces 443
   - Eng. 401 replaces 305

2. School of Chemistry
   - Chem. 321
   - Chem. 331
   - Chem. 333
   - Chem. 401
   - Chem. 402
   - Chem. 472

3. School of Education
   - Educ. 501
   - Educ. 502
4. School of Engineering

C. E. 412
In. En. 201

There were no requests during the year from the School of Textiles.

The Committee has underway a study by a special committee concerning the practicability and wisdom of establishing a new curriculum in Industrial Management. This study will probably continue at least until fall before there is a report.

Deficient Students
F. M. Kinard - Chairman

The Committee on Deficient Students has had a series of meetings during the spring. The central theme of most of the committee discussions has been the improvement of students' studying. Members of the committee considered numerous factors that have bearing on study conditions, incentives and distractions, and study habits and methods. Out of these discussions came what appeared to be some practicable suggestions concerning the administration of dormitory life, academic regulations, and other things having a bearing on scholarship. These suggestions have been transmitted to the administrative offices most concerned.

The committee submitted recommendations for one supplement to the academic regulations. As subsequently approved by the President's Council of Deans and Directors, that supplementary rule reads:

"A student who fails to earn a minimum of three semester credit hours during his first semester at Clemson and who wishes to continue his enrollment must apply to the Committee on Admissions for permission to continue. Remedial work completed may be counted in this minimum total."

The committee is collaborating with the Committee on Admissions in considering some proposals for revision of scholastic regulations for eligibility to continue enrollment. A joint meeting of the two committees is planned for fall to consider results of studies to be made during the summer.

Ethics and Religion
S. J. L. Crouch - Chairman

Each year the work with which this Committee is charged is becoming more unified. Starting with the freshmen, all campus ministers send letters to new students coming to Clemson, before they leave home, extending to them a welcome on the behalf of the local church. The YMCA also sends letters of welcome to the freshmen, inviting them to participate in the program, and to attend a weekend pre-school camp. (This is not done at too many state-supported institutions of higher learning due to the lack of cooperation of the college authorities.) A YMCA handbook containing general information is given to each freshman on his arrival at the college.
The freshmen are met by the minister of their denomination during their matriculation and during their first two or three days here they are visited in their rooms by their local minister or officers of the church student organization. Too much cannot be said for this initial contact with freshmen students. During the Orientation Week freshmen are welcomed in the local churches.

The normal program - Church School, Morning Worship each Sunday and the church student organizations meeting each Wednesday evening between supper and "Long Roll" - has been carried on. A poll of the churches indicates an increased attendance at the Wednesday evening meetings for all the churches.

Student cooperation contributes greatly to the success of these Wednesday evening meetings. The action of Blue Key in "protecting" Wednesday evening for these church student meetings is genuinely appreciated. It is worthy of note however that during the past year the presidents of five of the six student church organizations were members of Blue Key.

Another point of interest evidencing the caliber of leadership of these student groups is the fact that all six churches and the YMCA have ranking officers in the corresponding state or regional organizations.

The Barracks Chapel is used daily by students for Morning Watch. This room serves a high purpose most profitably. The Morning Watch Service is presently sponsored by the local Baptist Student Union and the Evening Watch which is held each evening by companies is sponsored by the YMCA.

Religious Emphasis Week services were held as usual during the first week of the second semester. Perhaps special mention should be made to the unusually fine contribution rendered the faculty by Dr. Edward McCrady. Additional meetings led by Dr. McCrady were held to which students and the campus community were invited.

Religious Emphasis Week officers for the coming year are as follows: Walter Cox, Chairman; R. W. Moorman, Vice-Chairman; J. R. Cooper, Secretary-Treasurer; and Wayne Davis, Student Chairman.

Preliminary plans have been made looking to the visit to our campus next December of Canon Bryan Green of Great Britian.

Four courses in the Department of Religion were offered during the past academic year. They were: "Old Testament Prophets", "Introduction to New Testament Literature", "The Background and Beginning of Christianity", and "Introduction to Christian Ethics".

During the past year the Reverend Emmet Gribbin resigned as rector of Holy Trinity Episcopal Church and the Reverend Robert L. Oliveros has taken his place.

Your Committee would again express its sincere appreciation and thanks for the wholehearted cooperation and help of the Administration. Without this, much of the work that is attempted could not be done.
Evaluation of Transfer Credits
M. A. Owings - Chairman

The activities of the Committee this year have been of a routine nature, namely, the evaluation of difficult transcripts.

The Committee has no recommendations at this time for any change in policies.

The Committee views with concern the growing tendency of colleges to offer "quickie" courses in basic subjects during the summer session. It commends the supporting action adopted by the Deans and Directors: Summer school courses in freshman English must be of at least six weeks duration to be eligible for transfer credit.

Food and Nutrition
J. P. LaMaster - Chairman

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

The food and feed sold between departments and to the Mess Hall, Clemson House and the Hospital this year had a total value of $129,620.13. These transactions amounted to 41.8 percent of the total value of the food and feed produced. This relation for the previous year was 33.5 percent. The miscellaneous agricultural items such as breeding animals, cotton, tobacco, seed, wool, semen, used feed bags, etc. amounted to $59,793.40. The total value of all production was $369,812.97, a reduction of $29,357.08 from the gross value for the 1952-1953 fiscal year. The food and feed production dropped in value and the miscellaneous items increased in value this year.

The Land Use Area of 27,000 acres continues as a major contribution to the teaching and research programs of the six agricultural departments participating in this report.

Summary of Receipts
May 1, 1953 through April 30, 1954

<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>
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</thead>
<tbody>
<tr>
<td>Agricultural Engineering</td>
<td>$2,135.14</td>
<td>$105.00</td>
<td>$4,220.77</td>
<td>$6,460.91</td>
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<tr>
<td>Animal Husbandry</td>
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<td>$5,372.83</td>
<td>$19,093.16</td>
<td>$27,956.49</td>
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<tr>
<td>Dairy</td>
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<td>$206,454.31</td>
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<tr>
<td>Farms</td>
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<td>$14,549.01</td>
<td>$1,587.00</td>
<td>$60,941.96</td>
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<tr>
<td>Horticultural</td>
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<td>$27,412.56</td>
<td>$8,102.32</td>
<td>$38,107.96</td>
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<tr>
<td>Poultry</td>
<td>$14,617.03</td>
<td>$11,415.86</td>
<td>$3,858.45</td>
<td>$29,891.34</td>
</tr>
</tbody>
</table>

$129,620.13 $180,399.44 $59,793.40 $369,812.97
Graduate Work
H. J. Webb - Chairman

The major questions which have been under consideration by the Committee on Graduate Work during the past school year have been those concerned with the development of a doctoral program. The requirements which students will be expected to complete for this degree have been adopted and approved. A general agreement has also been reached as to what will be expected of a department before it announces a program of this type. The general policies, procedures and standards have thus been established for developing this work.

It is believed that several of the departments can, with relatively little adjustment, meet the standards which have been agreed upon. There has been some interest by several departments in developing this program. Some departments have rearranged their offerings at the Master's level in such a way that it will be the basis for a more advanced program when it becomes practical.

The Master's program continues to progress slowly. This year 28 candidates have completed the requirements for the Master's degree. This is the largest number awarded during any one year.

Kress Research
H. M. Brown - Chairman

Since July 1, 1953 the Committee has met six times and approved five projects for extension and seventeen new projects committing a total of $21,195.54 from the Kress funds. These projects are briefly outlined as follows:

Project No. 73 The Extraction of Aluminum Compounds From Fly Ash, C. E. Littlejohn, $650.00, September 16, 1953. No statement.


Project No. 75 The Legal System of South Carolina to 1860. History of Manufacturing in South Carolina to 1860, Jack K. Williams and E. M. Lander, September 16, 1953, $51,000. To be completed in the near future.


Project No. 78 Committee on Bibliography for the American Literature Group of the Modern Language Association of America, John C. Guilds, Jr., $90, December 9, 1953. Project completed and report submitted.
Project No. 79  A Taxonomic Study of the Family Acromobacteriaceae, J. M. Rush, $760, December 9, 1953. To be completed when the new greenhouses are available.

Project No. 80  (Extension of Project #47). An Investigation into the Cutting Action of Sawteeth, J. E. Shigley, $1,701.57, December 9, 1953. Work to continue.


Project No. 85  Publishing and distributing without charge a bulletin on "Correct Use of Who and Whom by Ear", John D. Lane, $80.45 and $350, May 12, 1954. Project completed and report submitted.

Project No. 86  (Extension of Project #52). To pay one research assistant on the project #52, "A Study of the Optical and Physical Properties of Thin Films Deposited on Glass in a Vacuum", George W. Crawford, $270, March 23, 1954. Completion expected this summer.

Project No. 87  To complete the modernization of the Physics Department Electron Microscope, George W. Crawford, $575, March 23, 1954. Completion expected this summer.

Project No. 88  Publication of a biographical and critical study of a Southern literary figure, John Trotwood Moore, Claud B. Green, $2,000, March 23, 1954. Work to continue.


Project No. 93  To obtain a re-issue on a patent for development of harvesting sweet potatoes - to provide additional protection to the manufacturer and the college, George B. Nutt, May 25, 1954. Project completed.


During the year the following older projects have also been active:

Project No. 43  Investigation of Variable Compression Engine for Automotive Work, A. D. Lewis, $300, February 24, 1951. Report to be submitted.


Project No. 63  Tests to Determine the Effectiveness of Several New Insecticides Against South Carolina Ticks, Edward H. Warnhoff, $200, March 25, 1952. Report to be submitted.


It is interesting to note that in committing $21,000 during the session the commitments for the first time in several years have exceeded the receipts from the Foundation. For the time being this is fortunate since a surplus of income has been built up, and though we could not commit this much each year on a long time basis it is hoped enough of the faculty will be interested in using these funds to take up more than the annual income until the surplus is reduced.

The committee believes these funds offer an excellent opportunity for any faculty member to carry on research with all expenses paid, and hopes more faculty members will take advantage of them.

Library
M. A. Owings - Chairman

In the library, this year has been one of unprecedented progress. The committee commends the Administration wholeheartedly for making possible this growth: growth in academic stature and in the physical means for service. Specifically the growth is:

1. Improvement in physical facilities:
   a. The library has been redecorated inside in a restful shade of green; the building is clean and attractive.
b. Installation of stacks and furniture has been completed in the four classrooms formerly occupied by the Social Science Department. Also the balcony has been equipped for stack space and a reading area.

c. All books formerly stored because of a lack of shelf space are being returned to their appropriate, usable places.

d. The museum has been moved from the Library thereby making available much needed library space.

2. Recognition of the focal position of the library in the life of the college. The head of the library has been raised in rank to membership on the President's Council of Deans and Directors. Now the Director not only is always cognizant of the direction of the college policy but also has a voice in establishing that policy: the library has taken its rightful place at Clemson.

In the reorganization of the library the changes have been effected quietly without disruption of service or personnel. The committee wishes to recognize with appreciation the many years of faithful service of Miss Cornelia Graham who bore alone the direction of the library. Also the committee commends the choice of Mr. J. W. G. Gourlay as Director, his diplomacy, competence, and leadership inspiring confidence. The two-divisional plan (agriculture and sciences on second floor, social sciences and humanities on first floor) now being instituted promises the most convenient, practical arrangement of the library holdings together with the most efficient use of staff.

The committee urges that all practical support be given to library requests in order that the reorganization plan may be completed. Specifically the committee recommends:

1. That the remaining space in the library building not now used for library purposes be returned to the library.

2. That the 1954-55 budget submitted by Director Gourlay be approved. This budget, which has been reviewed in detail, is conservative for a college of the size of Clemson.

3. That the staff be enlarged. The need is urgent for an assistant cataloguer and an assistant agricultural reference librarian.

4. That library salaries should be revised upward. They should be on a par with those paid by similar institutions so that Clemson can compete for qualified personnel.

5. That $200,000 be made available so that the library can support with some degree of adequacy the graduate program.

6. That the library needs be projected beyond 1957 at which time normal growth will make the present building inadequate.

As Director Gourlay's plans are implemented, the committee foresees not only attendant growth in size and facilities but greater service-ability of the holdings and increasing stature of this vital core of the academic life at Clemson.
Loans

J. C. Littlejohn - Chairman

Listed below is a statement giving the financial status of the several loan funds as of April 30, 1954. Since the date of the last report, $10,000 has been contributed to the Georgianna Camp Fund.

During the past twelve months forty-two loans have been paid in full. The present policy of encouraging monthly payment on loans shortly after graduation, has proven to be quite effective and, with few exceptions, loans are being paid in a satisfactory manner. Of the present ninety-nine outstanding loans, fifteen are past due and inactive.

Account No. Name Outstanding Loans Investments Cash Total

801 Anderson Kiwanis 5,919.05 103.85 103.85
802 Clemson Student 1,137.40 (2,552.54) 3,366.51
803 Daniel Memorial 1,220.00 428.75 13,786.15
804 George Cherry 1,230.00 4,838.38 1,678.38
805 Ben & Kitty Gossett 1,021.85 10,000.00 628.65 11,650.50
806 Southern Railway 1,626.95 1,396.50 1,859.45
807 Stackhouse 1,000.00 19,512.00 4,016.05 21,538.05
808 Georgianna Camp 8,524.90 21,712.60 30,267.50
809 Richard Hughes Johnson 4,31.60 68.40 500.00
810 David Jennings 375.00 20.37 10,500.66
811 Student Loan Investments* 15,782.40 (15,343.90) 438.50
927 Clemson College Foundation 5,707.40 5,707.40
927 Baskin Fund 1,850.00 1,850.00

$27,660.15 $67,619.69 $10,987.11

* Income prorated annually to participating funds.

Public Lectures

C. W. Bolen - Chairman

The Committee on Public Lectures scheduled no speakers for the school year 1953-1954.

The Committee will collaborate with the recently appointed Student-Faculty Committee in arranging for chapel programs for the school year 1954-1955.

Publications and Radio

J. D. Lane - Chairman

College Publications - An ever-present demand for Clemson College publications is evidenced by the fact that during the past year 469,471 copies of such publications were distributed. In addition to the requests which were received from South Carolina and from other states throughout the nation about 800 requests were received from many foreign countries. An estimated 3,000 copies of Clemson College publications were distributed to these foreign
countries during the year. Extension Service and Experiment Station publications are kept up-to-date as evidenced by the fact that during the year beginning July 1953, thirty-six revised or new publications were printed by the Extension Service and sixteen were printed by the Experiment Station.

In the nature of publicity and public relations, the Extension Service reports all news releases; two weekly columns that appear in nearly all South Carolina newspapers and many in North Carolina and Georgia; and a monthly column in the Progressive Farmer. The Extension Service also issued a monthly publication, The Carolina Club Boy, which went to approximately 17,500 4-H Club boys each month. An assistant editor was added to the agricultural publications staff during the year primarily for research publication and information work. This made possible the publication of the quarterly South Carolina Agricultural Research with a circulation of 3,000 copies.

Radio - The fiscal year beginning July 1, 1953 has been another successful year in the history of Clemson College as far as the use of radio is concerned, in the opinion of the Committee. "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 12:50.

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 and Greenville giving the people the latest agricultural information available. Also, the Clemson Journal daily programs are sent to Charlotte, Easley, and Mullins radio stations.

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.

Television programs featuring farm and home subjects were begun at Charleston, Columbia, Greenville and Anderson during the year. These programs are prepared and presented by the home demonstration agents and the county agents. Another series of agricultural programs began in the Augusta area June 26, 1954. Occasionally television programs are prepared at Clemson and sent to the participating agents.
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.

The TIGER is in sound financial condition. Whatever profit is on hand will be needed to furnish quarters being provided in the new dormitory building. During the past three years the balance has remained approximately the same and is held in a "building fund account".

Some major positions were again held by men under senior standing, although efforts are made and some progress achieved to keep top-level positions in the hands of seniors.

The Faculty Adviser was given opportunity to offer suggestions for plans to house the TIGER in the new building. An elevator, which was essential to his approval, had to be deleted afterward. The TIGER staff will have to be provided with quarters accessible to heavy bundles of papers coming in and going out. No doubt this can all be worked out.

Best time for campus people to contact members of the staff to report news or ads is on Monday or Tuesday nights. Telephone number 6221.

During the past year the TIGER was delivered to students on Thursday nights and to the faculty (without cost) on Friday through 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 were paid. In all 2500 books were printed. Students purchased 2200 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. Cooperation on the part of the staff members was outstanding.

Back in circulation and with records approximately the same as those of last year were: THE AGRARIAN, sponsored by Alpha Zeta, published by students from the School of Agriculture; BOBBIN AND BEAKER, published by students in the School of Textiles; THE SLIPSTICK, published by students of the School of Engineering; THE CLEMSON ARCHITECT, published by students of the Architectural Department.

THE TOWER, a small magazine devoted to religious subject matter, Edited by J. W. O'Cain, appeared once, plans to appear several times next year.

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 most problems facing those who deal with the printed word. Fundamentals of English are stressed.
Research, Planning and Development
H. M. Brown - Chairman

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 on research problems for 1954 as submitted by committee members for the several schools:

School of Arts and Sciences

I. Department of English


II. Department of Mathematics

1. Alfred T. Hind: A study of numerical integration of definite integrals with emphasis upon the errors involved. Sponsored by the Office of Naval Research.

III. Department of Physics

1. George W. Crawford: A study of the wavelengths in the light transmitted by selenium films when the incident light used is monochromatic.
2. L. D. Huff: Research of a classified nature in progress for the Naval Ordnance Laboratory.
4. A. R. Reed: (1) Research of a classified nature in progress for the Naval Ordnance Laboratory.
   (2) Exploratory investigation of method of determining the ripeness of watermelons.
5. C. A. Reed: (1) X-ray studies of electrets to determine the effects of aging and of adverse fields on the crystal structure of electrets.
   (2) A study of long electrets to determine the relation between length of electrets and the strength of the electret; also to investigate the charge distribution in electrets by studying the electret character of sections cut from long electrets and also by building the long electrets in sections.

IV. Department of Social Sciences

School of Chemistry

1. Colorimetric Determination of Fluorine:

Purpose: To find a simple colorimetric method for determining quantitatively the amount of fluorine in water. The first phase of this investigation, involving the use of perox-titanic acid has been completed. The use of various organic coloring agents is now being investigated.

Investigator: W. D. Jacobs and F. I. Brownley, Jr.

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.

The first phase of the research project, Kress Project Number 40, dealing with the minor element content of South Carolina soils and crops grown on those soils is now about completed. A new method for the spectrographic determination of trace quantities of copper in soils has been investigated, and satisfactory results have been obtained. These results are incorporated in the thesis of Mr. J. E. Smith, Jr., who received his M. S. degree from Clemson College in February 1954, and in the report of Mr. C. B. Bishop who continued the work as a senior research project this semester.

Principal Investigator: F. B. Schirmer, Jr.

3. Mode of Action of Maleic Hydrazide as a Plant Growth Regulator:

Investigator: J. G. Dinwiddie

4. Paper Chromatography Technique for Identification of Small Amounts of Maleic Hydrazide:

Investigator: E. L. Steele

5. Effect of Magnetic Field Upon the Rotation of the Plane of Polarized Light by Optically Active Substances:

Investigator: L. P. Fernandez

School of Education

The Agricultural Education Department, initiated a new plan for training seniors during their Practice Teaching. This plan calls for six weeks of Practice Teaching away from the college under the supervision of the best agriculture teachers in the state. The program was very successful and many school people commented that the seniors had helped them learn more about Clemson. We believe these seniors will help us get better students for Clemson.

Mr. J. B. Gentry and Mr. J. E. Monroe have been serving on the State Guidance Committee and attended the Southern States Workers Conference at Daytona Beach June 7.
We hope to work with Mr. Metz, Registrar, and develop a better counseling program at Clemson.

During the past year Mr. Kirkley, a member of the Agricultural Education Department, has prepared and distributed teaching materials for the agriculture teachers of the state. Two printed publications and seven mimeographed publications were mailed out to the teachers of agriculture. Supervisors of Agricultural Education have informed us that the agriculture teaching has been improved on account of this teaching material that has been furnished on a seasonal basis.

School of Engineering

A number of research projects have been conducted during the past year by members of the staff in the School of Engineering. Some of these which are of interest to your committee are as follows:

Dr. C. E. Littlejohn has completed the research on a Review of the Utilization of Fly Ash for the Rock Hill Printing and Finishing Company and his studies are being published as Bulletin No. 6 of the Engineering Experiment Station. At the present time he is continuing the research on this subject under a Kress fund project to determine the economic feasibility of the recovery of certain valuable metals from fly ash.

Mr. E. F. Byars completed a project for the Columbia Products Company, a subsidiary of the Shakespeare Company, which included the design, fabrication, and testing of a truss such as could be used in an aircraft which was made of Fiberglas and bonded together by a synthetic material.

The contract with the U. S. Department of Agriculture on Seasoning, Preservative Treatment and Physical Properties of Bamboo has been completed and the report is now being prepared as Bulletin No. 7 of the Engineering Experiment Station. Among those who participated in this work were the following: Messrs. E. F. Byars, D. C. Brock, J. L. Edwards, J. M. Ford, J. D. Glenn, Jr., J. C. Hubbard, Jr., H. W. Humphreys, R. F. Nowack, J. F. Sutton, J. R. Salley, Jr., Ralph Hendricks, and R. L. Perry. An additional contract for further work on this subject has been approved and work is being initiated on this new contract.

The work on the Design of Saw Teeth, a Kress Fund Project, has been continued this year under the direction of Professor J. E. Shigley with the assistance of Mr. R. A. Banister, C. M. McHugh and D. W. Bradbury. Some interesting results have been obtained and a second progress report will be issued sometime in the near future.

Professor L. C. Adams has initiated a project under the Kress Fund on Hollow Cylindrical Electron Beams for a High Space Charge Density. The preliminary work on this project has been done and Professor Adams expects to get the project actively under way during the summer.

Mr. R. G. Rion of the Ceramic Engineering Department is conducting research at the present time on Differential Thermal Analysis of Light-Weight Aggregate materials.

Mr. D. W. Gates is conducting research on The Development of Glazes for Light-Weight Structural Tile. Other projects under the direction of Professor G. C. Robinson included the following: Neutralizing Agents for
Porcelain Enameling, Development of Light-Weight Structural Tile, and Investigation of Ultrasonic Vibration on Firing. A pamphlet prepared by the Departments of Ceramic Engineering and Geology on The Mineral Resources of South Carolina has received wide distribution this year to school children.

Mr. J. C. Cook and Mr. W. G. Hudson have completed the research work on the Power Requirements to Drive a Steam Joint for Rotating Dryers for the Rotherm Engineering Company.

Professor A. D. Lewis is continuing his research on the variable compression engine to determine maximum permissible compression with various throttle settings.

Mr. J. C. Cook is conducting research on the Expansion of Air from a Tank through various Shaped Nozzles to determine the effect on flow of variations in nozzle design.

Professor D. G. Hughes is making a study of the use of the Educational Testing Service Pre-Engineering aptitude test in predicting future achievements of college students in Engineering curricula. We are now in our third year of study on this subject and should have some definite conclusions in the next few years.

Professor E. F. Stenstrom in Industrial Engineering has completed research work on a Methods Improvement Study of a Small Production Plant.

Professor Rostron and Professor Moss of the Civil Engineering Department are conducting research on the Economics of using Pre-stressed Concrete versus Conventional Reinforced Concrete Design and Construction for Short Span Bridges for Primary Highways.

Professor R. W. Moorman is conducting research on the Motion of a Spherical Particle during the Acceleration Portion of Free Fall.

Professor A. F. Hammond is conducting research on Concrete reinforced with Rattan.

School of Textiles

Contract Research: The school has had a large number of government contracts.

1. A study of the use of electrostatic electricity in opening and cleaning cotton. USDA project. Project completed and two papers published.

2. A study of correlation of yarn strength with fiber strength measured at different gage lengths. USDA project. Project completed and results published.

3. A study of possible improvement of cotton processing by the use of additives to increase the frictional properties of the fiber. Continue into 1954-55. USDA project.

4. A project to develop small scale dyeing and finishing tests for cotton fabrics. Continue into 1954-55. USDA project.

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. Completed.
2. A study of sizings for several of the new synthetic fibers. Completed.
4. Dyeing project on special fibers to continue for two years. Work in progress.
5. Project to develop a new type leno motion for textile concerns. Work in progress.

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

A. Continued from last year.

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. Being constructed by a machinery company.

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. Being considered by an instrument company.

4. A tension control for warper beams in a warper creel. To give the same tension on every beam in terms of a weight that can be computed in advance. Being constructed by a machinery company.
5. A device for use with Pneumafil 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. A machinery company has taken an option for its manufacture.

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. Being considered by several textile companies.

7. Studies on a tension control for loom shuttles.

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


B. New Projects during 1953-54.

1. Device for warpers for equalizing the amount of yarn taken for each end.

2. Development of new stripping arrangements for reversing flat motion on cards. Reported at several meetings and a paper published.


4. New device for indicating ends down on spinning frames. Being considered for manufacture by a machinery company.

5. Development for roving frames to insert higher twist between top of flyer and front rolls to reduce number of ends down and improve evenness of roving. Reported at several meetings and paper published.


7. Study of the swelling of various synthetic fibers with different agents.

Schedule
J. W. LaGrone - Chairman

Members of the Committee are constantly dealing with the problems of estimating enrollments for the coming semester or summer school period and compiling data necessary for setting up the class and laboratory schedules.

Throughout the year, meetings are called for the purpose of considering special problems referred to the committee. This year, there were two special matters referred by the Deans and Directors:

1. A one-semester one-hour-a-week non-credit orientation program for entering freshmen was scheduled at 4 p.m. Wednesdays.
2. A convocation period. The Schedule Committee has made no specific recommendation, since it must await the action of a special committee appointed by President Poole.

Scholarship and Honors
D. C. Sheldon - Chairman

In October the following students were selected to represent the Clemson Agricultural College in WHO'S WHO AMONG STUDENTS IN AMERICAN UNIVERSITIES AND COLLEGES:

Carl Barnes Bishop
Benjamin Kilgore Chreitzberg, Jr.
Jerry Edward Dempsey
Frank Harold Denton
Nicholas George Forlidas, Jr.
John Thompson Green, III
Lawrence Marion Gressette, Jr.
Steve Campbell Griffith, Jr.
Charles Jarred Hammett
Hugh Chapman Humphries, Jr.
Joseph Lindsay III
Alva LeVerne McCaskill, Jr.
Clifton Moody McClure III
Richard Allen McMahan
Michael McMillan

George Rose Morgan, Jr.
Wyman Lee Morris
Sam Barrow Murphree, Jr.
Lamar Fleming Neville
Phillip Raymond Nickles
Ronald Morris North
Marvin Rue Reese, Jr.
Herbert William Reutereshan, Jr.
Bernard McIntyre Sanders, Jr.
Cecil Jerome Walters
Wiles Franklin Webb
Charles Elliott White
Raymond Howard Willingham
Bennette Earle Wilson

On May 5 the traditional Scholarship Recognition Day exercises were held in the Outdoor Theatre. On this occasion the following awards were made for outstanding scholastic achievement.

The Danforth Fellowship for Juniors - Niles Craig Clark, Jr.
The Danforth Fellowship for Freshmen - Benjamin Thomas McDaniel
The Sears Roebuck Foundation Sophomore Scholarship - Richard Furman Elliott, Jr.
The Alpha Zeta Prize - Elbridge Juette Wright, Jr.
The Borden Company Foundation Scholarship - Bernard McIntyre Sanders, Jr.
The Anderson Fellowship - Cecil Jerome Walters
The Clark Lindsay McCaslan Award - Claude Lowry
The Charles Carter Newman Prize - Donald Busby Dunlap
The Thomas G. Clemson Prize - Charles Jarred Hammett
The Charles Manning Furman Award - Robert Floyd Mixon
The Arnold R. Boyd English Key - Lawrence Marion Gressette, Jr.
The Sigma Pi Sigma Prize - Richard Austin Branham
The Alpha Chi Sigma Award - John Baecher Butt
The Mark Bernard Hardin Award - Charles Elliott White
The Warwick Chemical Foundation Award - Charles Elliott White
The Alpha Tau Alpha Scholarship Medal - Thomas Max Mintz
The Williston Wightman Klugh Award - Wallis Shufeldt Goodman
The American Institute of Electrical Engineers Junior Scholastic Award - John Martin Bailey
The American Society of Civil Engineers Membership Award - Sam Barrow Murphree
The Tau Beta Pi Scholastic Award - James Frank Humphries, Jr.
The Samuel E. Earle Award - Jerry Edward Dempsey
The Walter Merritt Riggs Award in Electrical Engineering - Marvin Rue Reese, Jr.
The American Institute of Chemical Engineers Scholarship Award - Fritz Richard Franke
The Higgins Undergraduate Scholarships - Walter Hazel Hendrix, Junior; Franklin Delano Guerry, Sophomore; William Ray Wactor, Freshman.
The General Electric Professors Conference Association Scholarship - William Lawrence Orr, Jr.
The Minaret Award - Charles Hamilton Burnette
The Rudolph Edward Lee Award - John Walter Harrison
The American Institute of Architects Award - Tracey Howard Jackson
The American Institute of Architects Award - Vernon Dantzler Moorer
The Fiberglas Junior Scholarship - William Aull Leitner
The American Society of Mechanical Engineers Membership Award - Nelson C. Poe
The American Association of Textile Chemists and Colorists Award - William Furman Moore, Jr.
The American Association of Textile Technologists Award - Max Ulmer Gainor
The National Association of Cotton Manufacturers Awards - Bennette Earle Wilson, senior, February and June classes; Max Ulmer Gainor, senior
The Phi Psi Award - George Rose Morgan, Jr.
The Blackmon-Uhler Company Scholarship - William Bailey Bennett, Freshman; Samuel Gregg Thompson, Junior.
The Fiberglas Senior Scholarship - Allston Thomas Mitchell
The Phi Eta Sigma Scholarship Medal - Joseph Lindsay, III
The Augustus G. Shanklin Award in Military Science and Tactics - Jerry Edward Dempsey
The Phi Kappa Phi Award - William Aull Leitner
The Howard Carlisle Copeland Award - John Robert Trout
The Algernon Sydney Sullivan Awards - Charles Jarred Hammett, Senior; and to Dr. David Wistar Daniel
The Trustees' Medal - James Lewis Cromer
The Norris Medal - Joseph Lindsay, III

Social Functions
Walter Cox - Chairman

The Social Functions Committee has had again this year as its principal job the chaperonage of the student dances. It is necessary for members of the Committee to stay for the entire dance, which sometimes works quite a hardship. We want to commend the Committee for its conscientious interest and help. They have all cooperated and it has been a very pleasant job working with them.

The dances, sponsored by the CDA in the first semester, were very nice affairs but the attendance was not as large as in the past. We feel that due to waiting to book their orchestras they have failed to properly promote these dances. In the second semester it was necessary to combine the Military Ball and Junior-Senior dances. Splendid arrangements were made well in advance and these were by far the finest and best attended dances that we have had in several years.

We shall continue to work with the members of the dance association in an effort to provide the social activities essential and helpful to our student body.
The Committee on Student Government has continued work this year as individual advisers to student leaders about student problems. Conferences were held with officers of student government. The Chairman of the Committee on Student Government met with the Senior Council as adviser. Attempts were made to avoid difficulties encountered in other years. Much emphasis was placed on effective disciplinary methods of the past. Systems of conducting trials were detailed and types of punishment were outlined.

L. M. Gressette, President of the student body, was directed to call the first 1953-54 meeting of the Senior Council early in September. The following officers were elected:

- Chairman: Jerry E. Dempsey
- Vice Chairman: F. Reaves Gressette
- Secretary: Ronald M. North

The other members of the Council were S. B. Murphree, J. C. Leysath, A. H. Wells, L. F. Neville, C. M. McClure and J. Lindsay, III. J. W. O'Cain was elected but resigned because his cumulative grade point average was below the required 1.8. J. C. Leysath was elected to take O'Cain's place by a special student body election.

At the first 1953-54 Senior Council meeting a list of policies were formulated and adopted. These were approved by Dr. R. F. Poole and became effective immediately.

Seven disciplinary cases and one appeal were handled by the Senior Council during the college year 1953-54.

- One case involved a student guilty of drunkenness.
- One student was found guilty of disorderly conduct.
- Two cases involved students guilty of discharging fireworks.
- One case was concerned with the investigation of alleged damage done by Clemson students on The Citadel campus during a football game weekend. No evidence was found to prove Clemson students guilty.
- A Clemson student's car was damaged by Clemson students. The bill for repairs was paid by the Clemson student body.
- A student was charged with theft but evidence was considered insufficient to stand in court.
- One student appealed for release from probation after one year of good conduct. Probation was lifted.

The new Senior Council for 1954-55 was instructed in a special meeting by the old council to help prepare them for the work of the coming college year.

Student Government during 1953-54 was successful because of the unselfish efforts of student leaders who desired only to serve Clemson.
Student Organizations
F. B. Schirmer - Chairman

The work of the Committee on Student Organizations during the past year has been largely advisory and administrative in nature. No new questions of policy have been considered.

The Committee, through the chairman, has continued to work with representatives of Blue Key and the Council of Club Presidents to facilitate and coordinate the activities of all student organizations. An information folder was prepared and distributed to the presidents of all organizations. This folder contained the following information:

1. The College's policies governing student organization at Clemson.
2. The constitution of the Council of Club Presidents.
3. The official schedule of meeting times for all organizations.
4. The official classification of all student organizations.
5. Suggestions to club presidents for better organizational activities.

The meeting schedule has been quite successful in its first year of operation. Student reports confirm that it has increased organization efficiency and has been a real help.

Closely related to the meeting schedule is the question of meeting rooms for the various organizations. Mr. Walter Cox has reported to the chairman that the committee will be consulted on the problem of allocating student meeting rooms as soon as the plans for the rooms in the new dormitories are available. This problem should be settled before the students return in September.

A list of the student organizations for the year 1953-54 was assembled. All the organizations were active during the past year with the exception of some of the regionals. It is hoped that a check of this latter group can be made next fall to delete those that have become inactive.

Student Welfare
J. D. Lane - Chairman

The Committee had no problems brought before it for group action. The Chairman served on a three-man committee (Cox, Schirmer and Lane) to make plans for and help carry out Senior Day activities. This committee attended all functions, including the activities at Boscobel which ended at midnight.

The Chairman served as speaker for Junior-Senior Banquet.

Whereas no problems were brought before the Committee as a group, the total contribution of its members during the school year was outstanding. Bob Moorman did yeoman service in helping Tau Beta Pi with its national convention and the Chairman served as toastmaster. The work done by the personnel of this Committee is most commendable.
Uniforms
J. C. Littlejohn - Chairman

During 1953-54 the Uniform Committee made several studies of the cost and materials of the Cadet Uniform for the primary purpose of determining if such cost could be reduced either by changing materials or reducing the requirements. As a result of these studies, it was determined that the cadet blouse was used less than any other of the uniform articles purchased by the students. This item is the most expensive one on the uniform list, therefore, the Committee secured other type uniform coats and presented them to the students for their opinion. The students were unanimous in their selection of a battle type jacket to replace the cadet blouse as presently worn. The cost of this jacket is approximately $5 less than the blouse. The students also requested that the uniform include one (1) pair of white cotton trousers and it was decided that this could be done without increasing the overall uniform cost. The college will not stock the white trousers, but each cadet will be required to procure them at a place of their choice. Due to these changes and to a reduction in the prices of the other articles required, the complete uniform for a freshman will cost approximately $129 compared to the $134 cost for freshman last year.

The cost and supplier of the uniform is listed herewith for your information:

<table>
<thead>
<tr>
<th>Garment</th>
<th>Supplier</th>
<th>Number Required</th>
<th>Unit Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battle Jacket</td>
<td>Irving L. Wilson Co.</td>
<td>1</td>
<td>$28.20</td>
</tr>
<tr>
<td>Cap</td>
<td>J. W. Bayly &amp; Son</td>
<td>1</td>
<td>3.90</td>
</tr>
<tr>
<td>Mackinaw</td>
<td>Irving L. Wilson Co.</td>
<td>1</td>
<td>26.25</td>
</tr>
<tr>
<td>Raincoat</td>
<td>Rainfair, Inc.</td>
<td>1</td>
<td>8.00</td>
</tr>
<tr>
<td>Shirts</td>
<td>Wide-A-Wake Shirt Co.</td>
<td>6</td>
<td>13.00</td>
</tr>
<tr>
<td>Trousers, Wool</td>
<td>Irving L. Wilson Co.</td>
<td>2</td>
<td>$44.60</td>
</tr>
<tr>
<td>Trousers, Cotton</td>
<td>Gallant-Belk Co.</td>
<td>3</td>
<td>7.95</td>
</tr>
<tr>
<td>Trouser Belt</td>
<td>Meyer</td>
<td>1</td>
<td>.50</td>
</tr>
<tr>
<td>White Trousers</td>
<td></td>
<td>1</td>
<td>3.00</td>
</tr>
<tr>
<td><strong>Total Cost to Freshmen</strong></td>
<td></td>
<td></td>
<td><strong>$128.76</strong></td>
</tr>
</tbody>
</table>

Visitors
Walter Cox - Chairman

Clemson continues to have many visitors coming to our campus to take advantage of our beautiful facilities, as well as to see our many fine people. During the year we have conducted tours for every visiting conference or convention taking advantage of the Clemson House. During the spring there were many school children who were shown our campus.

For the first time this year we had a high school visitation day. I feel that this not only assisted many prospective students in deciding on their future course of study at Clemson but also helped them decide on Clemson as their college.