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**INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE**

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OFFICERS AND COMMITTEES

THE FACULTY SENATE

1967 - 1968

OFFICERS:

J. N. Thurston, President
M. S. Steadman, Vice-President
Mrs. Rameth Owens, Secretary
(succeeding H. E. Vogel who served from April to August)

COMMITTEE ON COMMITTEES:

J. N. Thurston, President
M. S. Steadman, Vice-President
Mrs. Rameth Owens, Secretary
T. L. Senn, College of Agriculture and Biological Sciences
V. S. Hodges, College of Architecture
Eugene Park, College of Arts and Sciences
A. F. Newton, College of Education
J. D. Antrim, succeeded by D. W. Bradbury, January 1968,
College of Engineering
J. L. Richardson, College of Industrial Management and Textile Science

ADMISSIONS AND SCHOLARSHIP COMMITTEE

R. C. Harshman, Chairman
Miss Harriet Holman
L. D. Huff
A. K. Jensen
J. H. Marvin
R. F. Nowack
J. K. Reed
R. T. Reep
H. G. Spencer
Mrs. E. Bartmess (Admissions and Registration), Non-Senate member
POLICIES COMMITTEE:

J. G. Dinwiddie, Chairman
D. W. Bradbury
W. C. Godley
A. T. Hind
S. M. Lukawecki
D. W. Lyons
M. G. Miller
R. F. Mixon
J. V. Reel
J. B. Whitney

WELFARE COMMITTEE:

J. M. Wannamaker, Chairman
F. C. Alley
H. Brantley
W. C. Capel
E. B. Eskew
S. F. Hulbert
J. E. Pinckney
H. E. Vogel
J. R. Warner
J. P. Winter
R. Calhoun (English), Non-Senate member
MINUTES OF THE FACULTY SENATE
April 11, 1967

The Faculty Senate met on April 11, 1967, at 4:15 p.m. in the auditorium of Olin Hall with Dr. J. T. Long presiding.

Dr. Long announced the names of the following new members of the Senate: W. C. Godley, J. R. Warner, V. S. Hodges, W. C. Capel, J. G. Dinwiddie, L. D. Huff, Mrs. Rameth Owens, J. V. Reel, A. K. Jensen, F. C. Alley, J. N. Thurston, and D. W. Lyons. Dr. Long then expressed his appreciation to those who had contributed to the work of the Senate this year.

Dr. Long announced that the Educational Council has approved the transfer of members of the economics faculty from the Department of Social Sciences in the College of Arts and Sciences to the School of Industrial Management and Textile Science.

Dr. Long announced the status of four Senate recommendations: 1. Dean Hurst has agreed to write a policy statement concerning workload, with the statement to be approved by the president of the Faculty Senate before its inclusion in Faculty Manual. 2. Deans are now being consulted concerning the proposed twelve-month payment plan. 3. Names of staff for scheduled courses will be posted when they are available. The Registrar is being consulted about making names of instructors available to class advisers. 4. Dean Hurst has asked that action concerning notification of tentative salary increases be delayed until he has been in office for one year.

In answer to a Senate request, minutes of the meetings of the Educational Council will be available in the University Library. No action has been taken on a recommendation that a list of textbooks with approximate costs be sent to entering freshmen. Dr. Long reported that if the Faculty Senate wants to compile and print such a list that money may be available.

Dr. Long announced that no class cuts had been authorized for senior day. The final decision would be made by Dean Hurst and Dean Cox Wednesday morning.

Dr. M. S. Steadman, chairman of the Welfare Committee, introduced the following motion: "In order to provide more continuity in the faculty representation on the Educational Council, it is requested that the term on the Educational Council of the President of the Faculty Senate be extended to two years. To accomplish this, it is recommended that the
the phrasing of the paragraph in the Faculty Manual which describes the Educational Council (p. 12, 11. 5-6) be changed to read: '... the President and past President of the Academic Faculty Senate, ...' The motion was passed.

Dr. J. B. Whitney reported that the committee on the improvement of undergraduate instruction has received a report on better communication between faculty and students and that a bibliography of material on the improvement of undergraduate teaching is being printed.

At the conclusion of the meeting the following new Senate officers were chosen: Dr. J. N. Thurston, president; Dr. M. S. Steadman, vice-president; Dr. Henry Vogel, secretary; Dr. T. L. Senn, Professor V. S. Hodges, Professor Eugene Park, Dr. A. F. Newton, Dr. J. D. Antrim, and Professor J. L. Richardson, members of the Committee on Committees.

A letter from Dr. J. D. Antrim, Faculty Senate representative on the Parking Committee, was read which included observations and recommendations about the Parking Committee.

Dr. Long announced that the following items would be carried over for Senate consideration next year: enrollment of freshmen in a school of general studies, the desirability of eliminating Saturday classes, membership size of the Faculty Senate, combining the Faculty Senate and the Research Council, liaison with two-year branches, and class attendance regulations.

Respectfully submitted,

Louis Henry
Secretary

LH:ae

Memo to: Members of the Faculty Senate

From: J. D. Antrim, Faculty Senate Representative on the University Parking and Traffic Control Committee

Date: April 11, 1967

Individual members of the Faculty have asked me questions regarding campus parking and traffic and these questions along with the committee's answers are listed below for your information.

Q. What is the policy on reserved parking spaces?

A. The President of the University has assigned the responsibility to the four Vice-Presidents. The Parking and Traffic Control Committee does not have the authority to assign individuals to reserve spaces.

Q. Should helmets be required for motor scooter and motor cycle operators while on campus?

A. It is the opinion of the Parking and Traffic Control Committee that this should be required by state law rather than a rule of the University.

Q. What is the policy on parking at concerts?

A. The Department of Security has no policy or instruction to reserve parking spaces at concerts except for the President and his wife.

Q. Should protected cross-walks be provided across S. Palmetto Blvd. in front of the Civil Engineering Building and the Agricultural Engineering Building?

A. The Parking and Traffic Control Committee recognizes the problem of heavy pedestrian traffic at class changing times and fast moving traffic on S. Palmetto Blvd. The problem is being studied.
MINUTES OF THE FACULTY SENATE

AUGUST 29, 1967

The first meeting of the Faculty Senate during the 1967-68 academic year was held on August 29, 1967, in Olin Hall Auditorium, beginning at 4:17 p.m. Dr. James N. Thurston, President, presided.

After the minutes of the April meeting were approved as presented, the membership of various standing committees was announced and a Secretary of the Senate, Mrs. Rameth R. Owens, was elected, replacing Dr. Henry Vogel who had served since April.

Several items of business carried over from 1966-67 were considered. The first of these was the twelve-month salary option which the university is making available to faculty. Another item considered by the Senate was its proposal to the Educational Council concerning membership of the Honorary Degree Committee. This proposal had been sent back to the Senate by the Council and was, in turn, referred to the Senate's Policy Committee. A third item of business concerned the Admissions and Scholarship Committee; the committee was asked to explore further the possibilities of eliminating Saturday classes on the one hand and on the other of establishing a school of freshman studies. Sending a list of textbooks to incoming freshman was the fourth subject discussed. It was reported that Dean Hurst supports the idea of sending such a list, if the Faculty Senate provides the list. No action was taken. The last item of business from 1966-67 was faculty work load. It was reported that a policy on work load will be incorporated into the new faculty handbook by Dean Hurst whose recommendations will be sent to the President of the Faculty Senate.

Subjects presented during the meeting for consideration in 1967-68 were (1) a proposal concerning selection of administrative officers which was introduced by Dr. J. G. Dinwiddie and submitted to the Policy Committee, (2) a proposal concerning validation of candidates for graduation which was also presented by Dr. Dinwiddie and referred to the Admissions and Scholarships Committee, (3) recommendation concerning faculty housing for female faculty members which was made by Dr. J. M. Wannamaker and given to the Welfare Committee, (4) suggestion that Polich Committee should consider regulating the size of the Faculty Senate, (5) recommendation that annuities for faculty be considered by the Welfare Committee, (6) suggestion that consolidation of Faculty Senate and Faculty Research Council might be considered, and (7) suggestion that Welfare Committee consider the problem of faculty recreation and exercise and the possibility of a faculty club.

The meeting was adjourned at 5:03 p.m.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)
Secretary
Absent: R. A. Banister (resigned), H. H. McGarity, W. C. Godley, R. C.
Harshman, A. T. Hind, R. F. Mixon, A. F. Newton, Mrs. R. Owens, J. E.
Pickney, J. K. Reed, J. L. Richardson, T. L. Senn.
The second meeting of the Faculty Senate during the 1967-68 session was held on September 26, 1967, in Olin Auditorium, beginning at 4:18 p.m. Dr. James N. Thurston, President, presided.

After the minutes of the August meeting were approved as circulated, two new members of the Senate were introduced. They were H. Brantley (College of Education) and S. F. Hulbert (College of Engineering) who were elected to complete the unexpired terms of, respectively, H. H. McGarity and R. A. Banister. Business during the remainder of the meeting consisted of reports, first, by President Thurston on conferences with Dean Victor Hurst and, second, by Committee Chairmen on their groups' work.

President Thurston reported that (1) the Faculty Senate's proposal to make its immediate past president a member of the Honorary Degree Committee has been approved, (2) the policy on work load will be written by Dean Hurst, sent to the Faculty Senate for review, and incorporated in the Faculty Manual, (3) the possibility of creating a Division of Freshman Studies is now being considered by the Committee on Undergraduate Teaching which will cooperate with the Faculty Senate's Admissions and Scholarship Committee in its study of the same proposal, (4) no action had been taken concerning attendance regulations, (5) the twelve-month salary option was elected by fewer faculty (40) than had been expected (about 150), (6) the Committee on Undergraduate Teaching has considered the evaluation of teachers by students and has recommended that reports be tabulated and given only to the instructor concerned, (7) the President of the Faculty Senate and several members — who President Thurston thought should represent the areas of English and Modern Languages, Science and Engineering, and Social Sciences — have been asked by Dean Hurst to go down with him to the Sumter branch in October, (8) Dean Hurst emphasized the need for seven-day notice for out-of-state travel, (9) Dean Hurst also pointed out the October 7th deadline for Honorary Degree nominations, and (10) information on "flu shots" would be available shortly. Following the President's report, a question was raised by W. C. Capel concerning announcement of faculty salaries.

The Chairman of the Admissions and Scholarship Committee, R. C. Harshman, reported that the possibility of eliminating Saturday classes and the question of changing student attendance regulations are being considered by subcommittees, but that nothing had yet been done concerning either the validation of candidates for graduation (when special problems have arisen) or the creation of a Division of Freshman Studies.

The Chairman of the Policies Committee, J. G. Dinwiddie, reviewed the items discussed at its meeting on September 19, 1967.
Among the items were (1) the size and rate of growth of the Faculty Senate, (2) the possibility of merging the Academic Faculty Senate and the Research Faculty Council, (3) the proposal that the past president of the Faculty Senate serve on the Honorary Degree Committee, (4) the question of faculty involvement in the selection of academic administrators, and (5) the participation of faculty in long-range planning. Action on the third item was delayed until details were reviewed of last year's recommendation and Senate action. The first and second items were referred to one subcommittee and the fourth item to another. Also, concerning the fourth item, the Policies Committee agreed on the desirability of establishing an orderly procedure which would permit faculty participation in the selection of academic administrators. Before drafting such a recommendation, however, the committee decided to ask for the Faculty Senate’s endorsement of the idea. Their request was presented in the form of a motion by the Chairman and was accepted, after some discussion, through a show of hands.

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

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)
Secretary

The Policy Committee met on the 19th of September. Among the items discussed as possible business for this year were the following:

1. A study of the size and rate of growth of the Senate with a view toward possible changes in the constitution with regard to this.
2. The question of merger of the Academic Faculty and Research Faculty.
3. The question of the past president of the Senate serving on the honorary degree committee.
4. The question of larger faculty involvement in the selection of academic administrators.
5. The possibility of recommending the establishment of a long-range planning committee.

A sub-committee consisting of M. G. Miller as chairman, with S. M. Lukawcki and W. C. Godley, was appointed to look into item one with a view toward making recommendations to the whole committee at its next meeting. They were also to give some consideration to item two.

No action was planned on item three at the present time until information could be gotten on the details of the recommendation made last year by the Senate and the action taken on it.

A sub-committee comprised of J. G. Dinwiddie, J. B. Whitney, J. V. Reel, and A. T. Hind was established to consider item four and report to the next meeting of the whole committee.

It was the consensus of the committee to ask the Senate for endorsement of the idea of recommending to the administration that a procedure be established that would allow the Faculty to share in the responsibility of selection of academic administrators. If this endorsement is received, the committee will proceed to draw up a formal recommendation to be presented to the Senate at a future meeting.

The next meeting of the Policy Committee is scheduled for October 9, 4:00 p.m., in Room 205 of Brackett Hall.
The third meeting of the Faculty Senate during the 1967-68 session was held on October 24, 1967, in Olin Hall Auditorium, beginning at 4:17 P.M. Dr. James N. Thurston, President, presided.

When the minutes of the September meeting were considered, one correction and one addition were made concerning the summary of President Thurston's report. In item nine the deadline for Honorary Degree nominations should have read "October 1st" instead of October 7th as erroneously recorded by the secretary. And to item five which states that "the twelve-month salary option was elected by fewer faculty (40) than had been expected (about 150)," this explanatory clause was added: 'possibly because the plan was not as the faculty had hoped.' Otherwise, the minutes were accepted as circulated.

The major items of business during the meeting were reports by President Thurston and by Committee Chairmen.

President Thurston reported that (1) he and M. S. Steadman visited the Sumter branch of Clemson University on October 17th and 18th, found the facilities fine indeed (with some superior to Clemson's), and felt the faculty there was doing an adequate job of preparing students for their last two years at a senior university, (2) he represented Clemson recently at the inauguration of a new Chancellor at the University of Denver, (3) representation of the Faculty on the Honorary Degree Committee by the President of the Faculty Senate, the Past President of the Faculty Senate, and the President of the Research Faculty Council--as announced earlier--is not permissible under the constitutional by-laws of the Board of Trustees and, therefore, the representation for this year will consist of the President of the Faculty Senate and two members of the Senate whom he has asked to serve, namely, Miss Harriet Holman and J. K. Reed, (4) Dean Hurst will attempt to get reports of the University's Standing Committees printed in the Newsletter, (5) on the academic calendar for 1968-69, according to Dean Hurst, Saturday of Homecoming Weekend will be shown as a holiday, (6) "flu shots" will be available to faculty in Room 1 of the Physics building on October 26th, and (7) in a discussion with Dean Hurst it was agreed that the "Rat" System is dying and that no Senate action concerning it is necessary.

The report of the Admissions and Scholarship Committee was concerned entirely with faculty evaluation. R. C. Harshman, Chairman of the Committee, reviewed the recommendation of the Committee on Undergraduate Teaching to Dean Hurst which reads, in part, Although it remains to be demonstrated, on this or any other campus, that faculty evaluation by the student body materially improves the quality of undergraduate teaching; it has been demonstrated that the willingness of faculties to be so evaluated improves the confidence of student bodies in the competence of said faculties, and opens channels of student-faculty communication which can be (but not always are) beneficial to the academic health of an institution. Therefore, the Committee on Undergraduate Teaching recommends that a system . . . of faculty-course evaluation be initiated and implemented at Clemson University, with the full support of the faculty and administration.

The results of such evaluation should be given only to the instructor concerned.
The Committee on Admissions and Scholarships, Dr. Harshman said, recommended that the Faculty Senate approve the recommendations of the Committee on Undergraduate Teaching relative to Evaluation of Faculty by Students with the following reservations: (1) the system be re-evaluated after one year of operation and (2) the following items be further studied: (a) cost of preparing the evaluation, (b) "security" of the results, and (c) insuring that only students currently enrolled in the course participate in the evaluation. Considerable discussion of the proposal followed between Dr. Harshman and several Senate members, among them J. P. Winter, J. M. Wannamaker, W. C. Capel, and J. G. Dinwiddie. Questions which were raised included the real purpose of the evaluation, the need for Senate action, and clarification of the proposal before the Senate. The recommendation was approved by a show of hands.

J. M. Wannamaker, Chairman of the Welfare Committee, presented a series of three resolutions to the Faculty Senate. The first one read as follows:

The Faculty Senate requests that the administration of Clemson University make an immediate and determined effort to disassociate itself from practices, policies, and procedures which discriminate, tend to discriminate, or might be interpreted as tending to discriminate between the sexes.

Though the resolution was prompted by the University's refusal of housing to a female faculty member whose husband is not associated with the University, it was phrased in very general terms so that it would cover a great many areas, Dr. Wannamaker said. In reply to various questions, Dr. Wannamaker indicated that the resolution could apply to students as well as faculty and to females and males, both student and faculty. An amendment was offered by R. F. Nowack, restricting the application of the resolution and declaring, "This recommendation pertains solely to faculty and faculty affairs." When no consensus of opinion emerged from the discussion that followed, a motion was made and accepted by voice vote to table the question.

The second resolution prepared by the Welfare Committee and presented by the Chairman was the following:

In view of the fact that faculty dining, lounge, and recreation facilities are uniquely deficient at Clemson University, the Faculty Senate requests that Clemson University provide as soon as possible facilities for a complete faculty club at least equal to that available at other state supported universities (e.g., U.S.C.).

After it was read, President Thurston recalled several unsuccessful attempts which have been made in the past few years to secure a faculty club. Others also made comments indicating support of the proposal and it was passed by a voice vote without opposition.

As a third resolution, Dr. Wannamaker moved, on behalf of the Welfare Committee,

That the administration of Clemson University take immediate steps to provide adequate (both qualitatively and quantitatively) temporary faculty parking facilities to take the place of the faculty parking
behind the Physics Building which has been lost to construction. It is suggested that parking be allowed on Palmetto Boulevard in front of the new library, that temporary or permanent parking facilities be constructed in the area between the new library and Palmetto Boulevard, and that some parking space be provided for Math, English, and Physics faculty parking behind and on the side of the old library building.

After some discussion, this resolution was approved by the Senate through a voice vote.

In an effort to deal with at least one aspect of the larger issue covered in the first resolution which had been tabled, Dr. Wannamaker proposed that the University explain why a female faculty member was denied housing because her husband was not employed by the University. No action could be taken, however, because a request for a quorum (after several Senators had left) revealed that a quorum was no longer present.

With the understanding that a special meeting would probably be called, President Thurston declared the regular October meeting adjourned at 5:25 P.M.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)
Secretary

CLEMSON UNIVERSITY AT SUMTER OFFERING FRESHMAN AND SOPHOMORE YEARS OF UNDERGRADUATE EDUCATION

CLEMSON UNIVERSITY at Sumter, located on a beautiful 35-acre campus, offers facilities among the most modern and up-to-date in the nation.

The institution offers freshman and sophomore years of undergraduate education, fully accredited with Clemson University by the Southern Association of Colleges and Schools. Sumter students may move to the main Clemson campus as continuing students—without loss of credit—and may also transfer to other senior colleges and universities, subject to their individual rules and regulations.

Here at Sumter the prospective student, both male and female, will find a quality educational program in keeping with the finest traditions of Clemson. The Sumter program closely parallels that at Clemson; teaching and textual material is closely coordinated with the main campus, and this quality educational opportunity is now available to Sumter area residents at low cost—a real quality educational bargain.

CUURRICULUMS: Students at Sumter may take course work in 5 schools and colleges, acceptable at Clemson toward a degree in any of 35 undergraduate curriculums. These are:

College of Agriculture and Biological Sciences:
- Agricultural Economics
- Agricultural Education
- Agricultural Engineering
- Agronomy
- Animal Science
- Biology
- Dairy Science
- Entomology
- Food Science
- Forestry
- Horticulture
- Poultry Science
- Pre-Veterinary

College of Arts and Sciences:
- Arts and Sciences
- Chemistry
- Geology
- Mathematics
- Medical Technology
- Physics
- Pre-Medicine (Pre-Dental)
- Pre-Pharmacy

College of Engineering:
- Agricultural Engineering
- Ceramic Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Metallurgical Engineering
- School of Industrial Management and Textile Science

School of Education:
- Agricultural Education
- Elementary Education
- Industrial Education
- Recreation and Park Administration
- Science Teaching
- Secondary Education

College of Engineering:
- Agricultural Engineering
- Ceramic Engineering
- Chemical Engineering
- Civil Engineering
- Electrical Engineering
- Mechanical Engineering
- Metallurgical Engineering
- School of Industrial Management and Textile Science
- Textiles

* Jointly administered by the College of Engineering and the College of Agriculture and Biological Sciences.

1 Jointly administered by the School of Education and the College of Agriculture and Biological Sciences.

View of Library
In the 1966-1967 academic year, for the first time, Clemson University began conducting regular academic work away from the main campus, offering college work at Sumter equivalent to that at Clemson without the student expense of living away from home.

At the urgent request of citizens of Sumter and adjacent counties, Clemson University established freshman and sophomore programs at Sumter, staffed and directed by members of the Clemson faculty, and housed in a brand-new, fully air conditioned, all-modern campus, erected on 35 acres of land adjacent to the Sumter Area Technical Education Center. Through the efforts of the Sumter County Commission for Higher Education, a local bond issue and federal assistance were secured, and a physical plant ranking among the nation's finest was erected, with capacity for 550 to 600 students. The first class opened its doors in August 1966, less than 8 months after contracts were let.

Community leaders, in their enthusiastic support of the Sumter campus, are offering a number of local scholarships to students of the Sumter area. An increase in these scholarships is anticipated with the expected rapid increase in student enrollment at Sumter.

The campus comes from various other colleges and universities, including Clemson. Classrooms are small enough (36 students) to permit individual attention. Professors freely offer their own time, when needed, for special classes in difficult subject areas.

The two buildings devoted to classroom and laboratory work are both equipped with the most modern visual aids and teaching facilities, and are adapted for the future use of educational TV. Both are equipped with modern vending machines, affording students an opportunity to secure both hot and cold lunches without going off-campus.

Community leaders, in their enthusiastic support of the Sumter campus, are offering a number of local scholarships to students of the Sumter area. An increase in these scholarships is anticipated with the expected rapid increase in student enrollment at Sumter.
CLEMSON UNIVERSITY
AT
SUMTER BROCHURE
This committee recommends that the Faculty Senate approve the recommendations of the Committee on Undergraduate Teaching relative to Evaluation of Faculty by Students (copy attached), with the following reservations.

1. The system be re-evaluated after 1 years operation.

2. The following items deserve further study.
   a. The cost of preparing the evaluation.
   b. The "security" of the results.
   c. The details of a system to insure that only students currently enrolled in the course participate in the evaluation.
FROM: The Committee on Undergraduate Teaching

TO: Dean Hurst

Evaluation of the Faculty by Students

Recommendation:
Although it remains to be demonstrated, on this or any other campus, that faculty evaluation by the student body materially improves the quality of undergraduate teaching; it has been demonstrated that the willingness of faculties to be so evaluated improves the confidence of student bodies in the competence of said faculties, and opens channels of student-faculty communication which can be (but not always are) beneficial to the academic health of an institution. Therefore, the Committee on Undergraduate Teaching recommends that a system (a suggested form of which is hereafter outlined) of faculty-course evaluation be initiated and implemented at Clemson University, with the full support of the faculty and administration.

The results of such evaluation should be given only to the instructor concerned.

Suggested System:
Facilities and organizations exist at Clemson which could be utilized for the efficient handling of a faculty-course evaluation system. These are the Computer Center and Student Government.

It is suggested that the distribution, collection—indeed all personal handling—of evaluation documents be the duty and responsibility of Student Government, under the jurisdiction of such boards or committees as it shall see fit to empower.

It is further suggested that the recording, tabulation and print-out of the collected information be undertaken by the University Computer Center. This means, of course, that the physical form of the evaluation documents must be arrived at after consultation with a representative of the Computer Center; however, after consideration of representative cross-section of such documents from some fifteen other Colleges and Universities, the Committee submits, herewith, (attached to this report) a suggested questionnaire which is to be answered on a separate computer card. The questions on the suggested questionnaire have been formulated by, discussed at length by and accepted by an expanded Sub-Committee of (5) five faculty members and (7) seven student members.

It is, furthermore, the opinion of the Committee that the results of the evaluation should be presented as a tabulation rather than an average, as such a tabulation would afford more information as to the range of opinions within any given class.

It is the opinion of the Committee that the evaluation documents should be distributed and filled out before the final exams in any given semester; possibly on the last day of class, possibly from some central point during the 'Reading Period' (the exact mechanism should be left up to the responsible body of Student Government).
**Faculty-Course Evaluation**

**Instructions:** The questions on these sheets are numbered in the exact same sequence as the answer blanks on the accompanying I.B.M. card. In answering the questionnaire, be sure to match the question number with that on the answer card. Be sure to use the special pencil provided for marking the card, or your answers will not be tabulated. Fill out the General Information section (Section 1) of the answer card by marking the appropriate blanks. Cards not having general information section correctly will be automatically discarded.

Questions under Sections 2, 3, and 4 are to be answered by marking the blank which you choose in the range from 0 through 4. These have the meaning:

<table>
<thead>
<tr>
<th>Rating</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Unsatisfactory</td>
</tr>
<tr>
<td>1</td>
<td>Poor</td>
</tr>
<tr>
<td>2</td>
<td>Average</td>
</tr>
<tr>
<td>3</td>
<td>Good</td>
</tr>
<tr>
<td>4</td>
<td>Superior</td>
</tr>
</tbody>
</table>

**Section 1: General Information:**

1. Course title and number

2. Section Number

3. Range of your present cumulative G.P.R. ( ) ( ) ( ) ( )
   - 0-1
   - 1-2
   - 2-3
   - 3-4

4. Is this course required by your curriculum? ( ) Yes ( ) No

5. Is this course taught within your major department? ( ) Yes ( ) No
   - ( ) Not applicable

**Section 2: Reaction to total course:** give your rating (0-4) to the following conditions of the course as a whole.

- 6. Presentation of aims and organization of course at beginning of semester.
- 7. Organization and continuity of the material as presented in the entire course.
- 8. Value of the textbook and other teaching aids (slides, outside reading, etc) to the course.
- 9. Stimulation of you (by the course) to further interest in this field of study.
- 10. Overall evaluation of the course.

**Section 3: Operation of the class:** give your rating (0-4) on the following conditions in the operation of the class:

- 11. Interest in and enthusiasm for the subject shown by the instructor.
- 12. Organization and continuity of material presented in daily classes.
- 13. Clarity in presentation of material and explanation of difficult points.
- 14. Pace of the course relative to the quantity and difficulty of material covered.
- 15. Fairness in quantity and difficulty of out-of-class assignments.
- 16. Relevance of out-of-class assignments to increased understanding of course subject.
- 17. Fairness of testing procedure.
- 18. Fairness of grading methods.
- 20. Class size and opportunity for discussion.
- 21. Expansion and clarification of course material beyond the level of text.
Section 4: Student-Teacher Relations and Communication: give your rating (0-4)
of Student-Teacher relations and communication.

22. Ability of teacher to generate and sustain your interest in his subject.
23. Confidence in the teacher's qualifications to handle his subject.
24. Ability of teacher to initiate and direct classroom participation (discussion, etc.)
25. Interest of teacher in the development and achievement of his students.
26. Willingness of teacher to confer with his students outside class.
27. Promptness and dependability of teacher in holding and dismissing classes.
28. Personal bearing and classroom manner of teacher.
29. Speech habit of teacher.
30. Understanding of and consideration for students.
31. Ability of teacher to develop and motivate students.
32. Fairness of teacher in all aspects of his conduct of class.
33. Overall estimate of teacher.
MEMORANDUM TO: Dr. J. N. Thurston, President, Faculty Senate
FROM: J. M. Wannamaker-Chairman, Faculty Senate Welfare Committee

The Welfare Committee will propose the adoption of the following motions at the Faculty Senate Meeting 24 October 1967.

1. The Faculty Senate requests that the administration of Clemson University make an immediate and determined effort to disassociate itself from practices, policies, and procedures which discriminate, tend to discriminate, or might be interpreted as tending to discriminate between the sexes.

2. In view of the fact that faculty dining, lounge, and recreation facilities are uniquely deficient at Clemson University, the faculty senate requests that Clemson University provide as soon as possible facilities for a complete faculty club at least equal to that available at other state supported universities (e.g., U.S.C.)

3. That the administration of Clemson University take immediate steps to provide adequate (both qualitatively and quantitatively) temporary faculty parking facilities to take the place of the faculty parking behind the Physics Building which has been lost to construction. It is suggested that parking be allowed on Palmetto Boulevard in front of the new library, that temporary or permanent parking facilities be constructed in the area between the new library and Palmetto Boulevard, and that some parking space be provided for Math, English, and Physics faculty parking behind and on the side of the old library building.

The following topic will be brought up for general discussion:

What do you think about requesting the members of the Long Range Planning Committee of the University to meet with the Faculty Senate in a regular or special meeting to explain the long range plans regarding placement of buildings, access roads, parking areas etc. and to be informed of the faculty viewpoints regarding these items?
A special meeting of the Faculty Senate was held on October 31, 1967, in Olin Hall Auditorium, beginning at 4:18 P.M. Dr. James N. Thurston, President, presided.

Since the minutes of the regular October meeting were not yet completed, consideration of them was postponed until a later time. Business during the meeting consisted mainly of reports by the President of the Faculty Senate, by Chairmen of Senate Committees, and any individual Senators who are members of University Standing Committees. In addition, the suggestion that an expression of sympathy be sent from the Senate to the widow of Dr. Peter Carodemos was considered. And several items were recommended from the floor for study by the Senate.

President Thurston's report was relatively brief, covering three items. First, he said he had passed on to Dean Hurst in the prescribed form (on a separate sheet, signed) the three resolutions approved by the Faculty Senate at its regular meeting on October 24th. In addition, he wrote a letter to Dean Hurst, explaining what was done at the meeting and reviewing, in particular, the practical problems which had fostered the Welfare Committee's proposal (tabled by the Senate) concerning non-discrimination on the basis of sex. Second, President Thurston reported his effort to determine whether or not a Long-range planning committee existed at Clemson led him to Wright Bryan, V-President for Development. According to Mr. Bryan, there is a Building Planning Committee at Clemson which consists of the vice-presidents and others and which discusses needs as they arise and consults with the specific department heads involved. Third, President Thurston said, since representation of the Faculty on the Honorary Degree Committee by the President of the Faculty Research Council is not permissible under the constitutional by-laws of the Board of Trustees, he felt a motion was in order recommending a change in the by-laws. It was decided that such a motion should be prepared after contact with the Research Faculty Council and an Ad Hoc Committee was appointed, consisting of J. B. Whitney, Jr. (Chairman), L. D. Huff, and H. Brantley.

The only committee of the Faculty Senate having business to report was the Policies Committee. J. G. Dinwiddie, Chairman, said that it had considered, among other items, 1) the size and rate of growth of the Faculty Senate, 2) the possibility of merging the Academic Faculty Senate and the Research Faculty Council, and 3) the suspension of classes on Homecoming Day after the academic calendar had been established for the year. A review of the records revealed that in the recent past the Faculty Senate had devoted considerable time to each of the first two questions. On September 2, 1965, the size and rate of growth of the Senate was considered and a decision was made to postpone action until Senate membership approached fifty. After a great deal of committee work, a proposal to merge the Senate and Council was rejected on April 14, 1964. Therefore, unless there is some indication that the Senate's thinking is now different from that expressed in 1964 and 1965, the Policies Committee is reluctant at this time to reexamine these questions in the detail necessary to bring proposals before the Senate. The third matter—the suspension of classes on Homecoming Day after the academic calendar had been established for the year—has become a sore spot with the faculty. It is especially irritating, Dr. Dinwiddie said, since the Senate's request last year that this day be established in advance as a holiday was rejected. However, the request may have had some delayed effect, for Dean Hurst has told President Thurston that next year Saturday of Homecoming Weekend will be listed as a holiday on the academic calendar. Therefore, Dr. Dinwiddie concluded, though the Senate was dissatisfied with the way the matter was handled, there seems to be no need for further action at this time.
Very brief reports on the activities of the various Standing Committees of the University were made by members of the Faculty Senate serving on them. The names of the committees and the Senators reporting were (1) Admission, V. S. Hodges, (2) Archives, Rameth Owens, (3) Faculty Basic Research, S. M. Lukawecki, (4) Curriculum, J. N. Thurston, (5) Fine Arts, M. S. Steadman, (6) Graduate Council, Harriet Holman, (7) Honors and Awards, Eugene Park, (8) Improvement of Undergraduate Teaching, J. B. Whitney, (9) Library, J. D. Antrim, and (10) Schedules, R. F. Nowack. A report from the Patent Committee will be presented at a later meeting. And, since no Senator present is a member of the Honors Committee, no report was available on its activities. Most committees, it was indicated, have had several meetings and the minutes of those meetings will be appearing shortly in the Newsletter. In addition to these brief reports a lengthy one was made by J. D. Antrim who is the Faculty Senate Representative on the University Parking and Traffic Control Committee. Dr. Antrim reported, among other things, that (1) according to the Security Division's count, no loss in the number of parking places was suffered when those behind the Physics Building were blocked off, for others to replace them were made available nearby, (2) the barricade behind the old library will probably remain there, (3) that new parking stickers to replace faded ones are on order and should arrive soon, and (4) that the committee recommended writing a letter to President Edwards, urging long-range planning of parking facilities. In reply to a question about provisions for short-term parking around campus, Dr. Antrim said that timed spaces are for short-term parking and that a sizeable number of them have been created.

When the suggestion was considered that an expression of sympathy be sent from the Senate to the widow of Dr. Peter Carodemos (Professor Emeritus of Chemistry), it was pointed out that Leonard Booker had also died recently. Therefore, the proposal was expanded and the Senate by boice vote agreed that President Thurston, on behalf of the Senate, should express condolence to Mrs. Carodemos and Mrs. Booker.

Near the end of the meeting several questions were raised. J. V. Reel asked about April notification of salaries. Since no information had yet been received, President Thurston said he would write a letter to Dean Hurst about it. The possibility of securing limousine service to and from the airport was suggested by J. D. Antrim as a means of relieving pressure on the car pool. Harriet Holman suggested that simplification of bookkeeping might also relieve pressure on the car pool by allowing reimbursement to persons using their own autos. A question about the scheduling of football games was raised by S. F. Hulbert who urged that they be arranged on a "home and home" basis, especially with Georgia Tech.

The meeting was adjourned at 5:15 p.m.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)

MINUTES OF THE FACULTY SENATE

November 14, 1967

The Faculty Senate met for a regular monthly session on November 14, 1967, in Olin Hall Auditorium, beginning at 4:20 p.m. President James N. Thurston presided.

Consideration of the minutes of the two previous meetings evolved into a discussion of minutes in general and their coverage. After a variety of opinions were expressed and suggestions made, it was proposed that full minutes be kept for the Faculty Senate Record and consensed ones for the Newsletter. This was defeated by a show of hands. With minor corrections the minutes for the meetings of October 24 and 31, 1967, were approved as circulated, for both the Faculty Senate Record and publication.

Major items of business during the session were reports from the Ad Hoc Committee on composition of the Honorary Degree Committee, from the Policies Committee, and on a meeting of the Educational Council.

Reporting on the work of the Ad Hoc Committee on the composition of the Honorary Degree Committee, John B. Whitney, Jr., Chairman, presented a resolution for adoption and transmittal to the Board of Trustees. It proposed that faculty membership on the Honorary Degree Committee in the future include the President of the Faculty Senate, the Chairman of the Research Faculty Council, and the Past President of the Faculty Senate; it also outlined procedure by which a replacement would be selected if the Past President of the Faculty Senate were no longer associated with the university. The resolution was accepted by voice vote.

The Chairman of the Policies Committee, J. G. Dinwiddie, reviewed the committee's work and presented a resolution that the Faculty Senate recommend to the administration of Clemson University the establishment of procedures which would involve academic faculty in the future selection of academic administrators. He emphasized that what was being proposed was the principle of involvement, not the procedures. Following some discussion, the recommendation was accepted by voice vote.

Transactions of the Educational Council at a recent meeting were reported by President Thurston and a proposal from the Council about graduate record examinations was presented to the Faculty Senate. It was recommended that "effective in the 1968-69 academic year, the GRE no longer be given as a university institutional test but rather that it be given by the colleges and schools, or by their departments, as recommended by the Dean of the University upon the advice of the Academic Deans." After several questions were raised about the purpose of the examination and its advantage to the student, the resolution was passed by voice vote.

The remaining items of business were (1) a report (by letter) from J. D. Antrim on the library at Greenville TEC, (2) an announcement from the Welfare Committee of the possibility of scheduled exercise for faculty, both men and women, (3) a question about April notification of salaries, and (4) a suggestion that get well wishes be sent to Henry Hill.
The meeting was adjourned at 5:13 p.m.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)
Secretary

Current procedure stipulates that faculty membership on the Honorary Degree Committee shall consist of the President of the Faculty Senate and two members of the Faculty Senate appointed by him.

This procedure does not insure that the Research Faculty will be represented nor does it necessarily provide a continuity which would be desirable.

The Faculty Senate would like to request that the faculty membership on the Honorary Degree Committee in the future include the President of the Faculty Senate, the President of the Research Faculty Council, and the Past President of the Faculty Senate.

(In the event that the Past President of the Faculty Senate is no longer in the employ of Clemson University: the President of the Faculty Senate - if neither he nor the President of the Research Faculty Council has previously served on this committee - shall appoint a faculty member, if possible a Senate member, who has previously served on this committee; if either the President of the Faculty Senate, or the President of the Research Faculty Council has previously served on the Honorary Degree Committee, the President of the Faculty Senate shall appoint the third member of the Committee from the Faculty Senate.)

Ad Hoc Committee

L. D. Huff
Herbert Brantley
John B. Whitney, Jr., Chairman
A Proposal for Consideration by the Senate at its meeting on November 14

As any university increases in size, prestige and value a growing estrangement between the administrators, the faculty and the students can be observed to occur. There do exist in the university areas of single and singular responsibility for administrators, faculty and students. However, there are areas where a sharing of responsibility by two or more of these groups is clearly indicated.

One of these areas of vital importance to the operation of the University, and of particular interest to the faculty, is the selection of academic administrative personnel. While there has undoubtedly been faculty participation in this area in the past, there has not been an established orderly procedure involving the faculty.

Since the success of the administration is largely determined by the quality of that selection, there are a number of important advantages to be gained by establishing a plan by which the faculty may share in this responsibility.

First, as the majority of academic-administrators are chosen from the ranks of the faculty, members of the faculty are often in the best position to evaluate certain of the criteria being used to judge the relative merits of prospective appointees.

Second, the resulting increase in communication between faculty and administration would create an increased awareness of the large community of interest, and an increased concern for the welfare of the University as a whole by both groups.

Third, having an orderly, workable procedure established well in advance of the necessity of making a specific selection would serve to eliminate some of the emotional aspects possible in a procedure generated on short notice to handle a particular selection.

Therefore the Faculty Senate recommends to the Administration of Clemson University that procedures be established that would involve the academic faculty in a responsible manner in the future selection of academic-administrators.

The Senate would be pleased to assist in the development of these procedures.
November 6, 1967

Mrs. Leonard R. Booker
541 Pendleton Road
Clemson, S. C. 29631

Dear Mrs. Booker:

It was the unanimous decision of the Faculty Senate of Clemson University that we extend to you our deepest sympathy on your recent loss. Many of us on the faculty knew Leonard very well indeed, and we all had great respect for his contribution to education at all levels throughout South Carolina. His energy, enthusiasm and willingness to help others were of enormous assistance to a veritable army of people who were educated in this state. Just as an example, the successful continuing education program would never have been possible without his determined efforts. We join with his many other friends in respectful thanks for having been associated with such a man.

A copy of this letter will become a part of the permanent records of the Clemson University Faculty Senate.

Sincerely,

James H. Thurston
President, Faculty Senate

JMT:1jc
November 6, 1967

Mrs. Peter Carodemos
102 Taylor Street
Clemson, S. C.  29631

Dear Mrs. Carodemos:

It was the unanimous decision of the Faculty Senate of Clemson University that we extend to you our deepest sympathy on your recent loss. Many of us on the faculty knew Dr. Carodemos very well indeed, and we all had great respect for his high principles, his excellent and devoted teaching and his many other contributions to the excellence of Clemson as a place of higher learning. He will long be remembered by his colleagues; but more important, the students with whom he had contact throughout his distinguished career will carry forward his influence for many years to come.

A copy of this letter will become a part of the permanent records of the Clemson University Faculty Senate.

Sincerely,

James H. Thurston
President, Faculty Senate

JNT:1jc
The Faculty Senate met for a regular monthly session on December 5, 1967, in Olin Hall Auditorium, beginning at 4:17 p.m. President James N. Thurston presided. Business during the meeting consisted mainly of reports by the President and several committee chairmen. In addition, the minutes of the last meeting were considered and approved as circulated.

In his report President Thurston touched on several topics, including April notification of salaries, university housing, a faculty club, and recent appointments. He reviewed his discussion with Dean Hurst concerning salaries and housing. It would not be possible for two reasons, Dean Hurst, said, to notify faculty in April of salaries for the forthcoming year: (1) because of the date of adjournment of the state legislature and (2) because of the need for approval by the university's Board of Trustees and by the Budget and Control Board. The policy on university housing, Dean Hurst stated, is that neither a female faculty member nor a female student who is married qualified. During his meeting with Dean Hurst President Thurston said the question of the liability of faculty in case of accidents was raised and that the subject of a faculty club was discussed. The forthcoming Student Union building will have space for a faculty club and there still is time to incorporate the faculty's ideas into the plans. In conclusion, President Thurston announced the appointments of D. W. Bradbury to the Traffic and Control Committee, replacing J. D. Antrim who is going on leave, and of R. F. Nowack to a special committee to study library check-out methods. He then recognized D. W. Bradbury who reviewed recent work of the standing Committee on Patents.

The only committee of the Senate having business to report was the Welfare Committee. Chairman J. M. Wannamaker said that Otis Nelson is working on a program of scheduled exercise for the faculty and hopes to have information on it for next semester. The scheduled exercises are to be independent of the YMCA program and will be arranged sometime between the hours of eleven and three.

President Thurston reported that several things had been brought to his attention for study by the Scholarship and Admissions Committee. Among these are (1) the possibility of raising the grade-point requirement for senior standing above the present 1.7 since the requirement for graduation in 1968-69 will be 2.0, (2) the matter of scheduling quizzes and examinations at unauthorized times, (3) the need for clarifying readmissions policies, and (4) the possibility of extending representation on the Faculty Senate to the administration.

After the date for the next session of the Faculty Senate was announced for January 23, 1968, the December meeting was adjourned at 5:05 P.M.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)
Secretary

MINUTES OF THE FACULTY SENATE
January 23, 1968

The Faculty Senate met for a regular monthly session on January 23, 1968, in Olin Hall Auditorium with President James N. Thurston presiding. Though the meeting had been scheduled for 4:15, it could not be called to order until a quorum was reached at 4:37 p.m. Business during the meeting consisted of consideration of the minutes, reports by the President and the chairman of the Policies Committee, and questions from the floor.

With minor corrections the minutes of the meeting on December 5, 1967, were approved as circulated.

President Thurston's report was lengthy, covering announcements, discussions with Dean Hurst, and items for action by the Senate. President Thurston announced the formation of a Committee on the Faculty Club, consisting of four members, S. M. Lukawecski and R. T. Reep from the Faculty Senate and A. S. Tombes and S. F. Hulbert from the Research Faculty Council. He also announced the approval by President Edwards of a Speakers' Bureau which had been proposed by students. President Edwards had asked him, as President of the Faculty Senate, to appoint for staggered terms on the Bureau two faculty members and one representative from the administrative staff. President Thurston called attention to the article in The Tiger on employment placement and clarified a point concerning right of attendance at sessions of the Faculty Senate. According to the Senate's Constitution, he said, only academic faculty may attend without special invitation; meetings are not open to the administration as reported recently in The Tiger. He then reviewed his discussions with Dean Hurst. He reported (1) that Dean Hurst recognized the occasional need for car rentals but felt they should be avoided if possible, (2) that Dean Hurst, in response to students' request, has agreed to another discussion between faculty and students of attendance regulations and asked for the appointment of a representative from the Senate, (3) that a study is being made to determine dormitory and food service needs during holidays, especially of graduate and foreign students, (4) that there was no additional information available on the sheltered annuities program, and (5) that Dean Hurst was receptive to the Senate's recommendation for establishing procedures involving academic faculty in the future selection of academic administrators, when he understood that the faculty's wishes would be advisory instead of compulsory. So that the Arts and Sciences faculty might participate in the selection of a dean to replace Dr. H. L. Hunter upon his retirement, Dean Hurst asked that a general procedure be worked out soon.

The first of two items presented by President Thurston for Senate action was the selection of a replacement for J. D. Antrim on the Committee of Committees. D. W. Bradbury from the School of Engineering was chosen by acclamation. The other item was a request from the administration to consider changing the date of approving candidates for graduation in order to allow the Registrar's Office more time for preparing graduation lists. A motion was made from the floor to shift the responsibility of approving candidates for graduation from the general faculty to the faculty of individual schools and colleges. After much discussion the motion was passed. However, a subsequent motion to recommend elimination of the General Faculty meeting at semester's end was defeated.
None of the committees had business to report. However, J. G. Dinwiddie, Chairman of the Policies Committee, called attention to the fluctuating length of semesters at Clemson since 1963. The length varied from a low of 84 actual class days to 91. Earlier, he recalled, the number had been 94. Decisions of this kind, involving a reduction of professor-student contact time, ought to involve the faculty, he felt.

Just before the meeting was adjourned, one question was raised concerning faculty evaluation. No one seemed to know anything about it.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)

MINUTES OF THE FACULTY SENATE

February 27, 1968

The Faculty Senate met for a regular monthly session on February 27, 1968, in Olin Hall Auditorium, beginning at 4:19 p.m. President James N. Thurston presided. Business during the meeting consisted mainly of reports by committee chairmen and by the president. In addition, the minutes of the January meeting were considered and approved as circulated.

The Chairman of the Admissions and Scholarship Committee, R. C. Harshman, discussed a number of questions which had been directed to the committee for study. The most pressing problem brought before the committee, he indicated, concerned quizzes and examinations scheduled at unauthorized times. The spring examination schedule, he said, should be available within a week, would involve a minimum bunching of students, and would require no special examinations for graduating students. He stressed the importance of adhering to the schedule and urged all faculty to follow it as published. Another question which the committee had investigated was that of raising the grade-point requirement for senior standing above the present 1.7 since the requirement for graduation in 1968-69 will be 2.0; an increase has been planned by the Registrar, Dr. Harshman reported, after data are available on students' performance for 1967-68. Other questions before the committee are (1) the possibility of changing preliminary grade reports, (2) re-examination of attendance regulations, (3) the clarification of readmissions policies, and (4) standardization of the academic calendar. Another question which may come before the committee soon, Dr. Harshman thought, is the possibility of applying a Pass/Fail system of grading to a limited number of courses taken by a student outside his discipline; such a recommendation has been made to the administration by the Student Senate.

On behalf of the Policies Committee, its Chairman, J. G. Dinwiddie, presented two proposals to the Senate for consideration. The first was concerned with the creation of "an orderly, established procedure" which would involve the faculty in the selection of academic administrators. It read as follows:

The role of the faculty in the choice of academic administrators for any unit of the University is one of consultation and advice. That role is best fulfilled through an orderly, established procedure, applied judiciously each time a vacancy occurs in the academic administration. Therefore we propose the following procedure.

When an academic administrative position in any area or unit of the University is to become vacant or becomes vacant suddenly by creation of a new position, resignation, retirement or any other contingency, a committee of the faculty shall be created to make recommendations for the filling of the vacancy.

The members of the committee shall be selected by the academic administrator next in authority over the position being filled in conjunction with the Committee on Committees of the Faculty Senate. The committee shall consist of from three to ten members and shall be representative of the faculty of the division of the University that will be administered by the administrator being selected. In the event the administrator will also be administering non-academic areas of the University, the Committee on Committees will be involved only in the selection of that portion of the committee representing the academic areas. The committee itself may add, with the approval
of the administrator involved in the selection of the committee, a minority of additional members from outside the division involved if it deems it desirable.

The administrator selecting the committee shall convene it and serve as its temporary chairman until the committee establishes its own organization.

The committee will receive nominations and suggestions for candidates for the position, adding any others whom it thinks should be considered. After it has examined all candidates according to its own procedures it will submit a list of the most acceptable persons to the academic administrators responsible for the final choice.

Upon the filling of the position the committee shall destroy its records and be officially discharged.

Following considerable discussion, the proposal was approved by a show of hands. Only one person, J. M. Wannamaker, had expressed opposition to it. He asked to be identified by name and indicated that it conflicted with his opinions on management theory.

The second proposal presented by Dr. Dinwiddie from the Policies Committee was a revised twelve-month payment plan. An optional plan, it featured a simple form to be used by a faculty member electing it instead of the nine-month payment plan. It, too, was approved by a show of hands.

President Thurston's report covered a variety of topics. He announced (1) that the Educational Council had accepted the Senate's proposal to shift responsibility of approving candidates for graduation from the general faculty to the faculty of the colleges, (2) that the committee on the University Union has been activated and is discussing, among other things, the Faculty Club, (3) that he had appointed to the Speakers' Bureau for one-, two-, and three-year terms, respectively, J. V. Reel, A. J. Kaufmann, and J. G. Dinwiddie, (4) that the project of Faculty Evaluation is now in the hands of Student Government and is apparently standing still, (5) that Vice-President W. Wright Bryan is working on the proposal to identify campus buildings, (6) that the setting of standards for continued enrollment in individual departments seemed appropriate, according to Dean Hurst, (7) that the revised national draft policy probably would bring about a decline in the number of graduate students, (8) that a merger between the Faculty Research Council and the Faculty Senate had been proposed by the Council, and (9) that an announcement of vacancies on the Faculty Senate would be made from Dean Hurst's office soon.

Immediately before adjournment at 5:22 p.m., S. M. Lukaweski reported briefly on the work of the Faculty Club Committee. The University Union, he said, is being designed, not for physical recreation, but for relaxing, and lounging and dining.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.)

(A proposal being considered by the Faculty Senate)

The role of the faculty in the choice of academic administrators for any unit of the University is one of consultation and advice. That role is best fulfilled through an orderly, established procedure, applied judiciously each time a vacancy occurs in the academic administration. Therefore we propose the following procedure.

When an academic administrative position in any area or unit of the University is to become vacant or becomes vacant suddenly by creation of a new position, resignation, retirement or any other contingency, a committee of the faculty shall be created to make recommendations for the filling of the vacancy.

The members of the committee shall be selected by the academic administrator next in authority over the position being filled in conjunction with the Committee on Committees of the Faculty Senate. The committee shall consist of from three to ten members and shall be representative of the faculty of the division of the University that will be administered by the administrator being selected. In the event the administrator will also be administering non-academic areas of the University, the Committee on Committees will be involved only in the selection of that portion of the committee representing the academic areas. The committee itself may add, with the approval of the administrator involved in the selection of the committee, a minority of additional members from outside the division involved if it deems it desirable.

The administrator selecting the committee shall convene it and serve as its temporary chairman until the committee establishes its own organization.

The committee will receive nominations and suggestions for candidates for the position, adding any others when it thinks should be considered. After it has examined all candidates according to its own procedures it will submit a list of the most acceptable persons to the academic administrators responsible for the final choice.

Upon the filling of the position the committee shall destroy its records and be officially discharged.
(A proposal for consideration by the Faculty Senate)

The faculty senate recommends that the twelve-month salary plan now available to the faculty be altered in two ways:

1. The method of payment should be changed to the following:

The faculty member will receive his checks from the University according to the following schedule: 1/24 of his annual net pay on August 31; 1/12 of his annual net pay on September 30, October 31, November 30, December 31, January 31, February 28-29, March 31, April 30, May 31, June 30, July 31; and 1/24 of his annual net pay on August 15, except that the faculty member may elect, not later than May 15, to receive at that time the remaining checks which are due him. In the above the annual net pay represents gross annual pay less income tax deductions and all other deductions made by the University.

2. The form which is to be signed in order for a faculty member to elect the twelve-month payment plan should be a simple one, one page at the most, similar to the one which was in use when a twelve-month payment plan was previously available.
MINUTES OF THE FACULTY SENATE

March 26, 1968

The Faculty Senate met for its regular monthly session on March 26, 1968, in Olin Hall Auditorium, beginning at 4:20 p.m. President James N. Thurston presided. The major items of business considered by the Senate were reports from the Admissions and Scholarship Committee and by the Senate President. In addition, the minutes of the meeting on February 27, 1968, were approved as circulated.

The Chairman of the Admissions and Scholarship Committee, R. C. Harshman, reviewed questions which the committee had studied and presented two recommendations to the Senate. The recommendations concerned (1) the elimination of Saturday classes and (2) raising the grade-point requirement for continued enrollment. The committee advised, Dr. Harshman said, (1) that Saturday classes be retained and (2) that the grade-point requirement for continued enrollment be raised to a level commensurate with the present 2.0 GPR requirement for graduation. Both recommendations were approved by voice vote of the Senate. Among the questions studies by the committee were (1) revision of class attendance regulations, (2) adoption of the pass-fail system for a limited number of courses outside a student's area of concentration, (3) creation of a Division of Freshman Studies, (4) changes in the preliminary grade report system, (5) standardization of the academic calendar, and (6) the unauthorized modification by individual faculty members of the final examination schedule and the arranging of quizzes at other than normal class hours. Dr. Harshman reported that a committee has been appointed by Dean Hurst at the Student Senate's request to re-examine attendance regulations and to study the pass-fail system. A sub-committee of the Committee for Improving Undergraduate Teaching had weighed the advisability of creating a Division of Freshman Studies and had advised against it, he said. Concerning changes in the preliminary grade report system, the committee had reached no conclusions and recommended further study in 1968-69. The academic calendars for 1968-69, as recently revised, and for 1969-70 have been standardized to 87 class days per semester, he reported. Finally, he said, the present rule that no final examination should be given at other than the scheduled hour without the permission of the schedule committee appeared satisfactory; however, in the committee's opinion, the question seemed to warrant further study.

In his report, President Thurston discussed current Senate business and then recommended consideration of a complete restructuring of the Faculty Senate. Among the items of current business, the most sensitive and significant one for the Senate was Dean Hurst's reaction to the two proposals adopted in February. These proposals concerned (1) the creation of a procedure for involving faculty in the selection of academic administrators and (2) a revised twelve-month payment plan. To both proposals Dean Hurst's reaction was negative, President Thurston said. About the revised payment proposal, what he objected to apparently was not the plan itself but the idea of changing the present system. It would be unwise, he felt, to set up a new mechanism by fall. Concerning the proposal on faculty participation in the decision-making process, Dean Hurst expressed the general opinion that faculty should be consulted but opposed the particular plan presented by the Senate; he thought it difficult to devise a plan applicable to all situations. His comment suggested that he opposed the creation of formal lines
of communication between faculty and administration, preferring to rely on informal ones. Considerable discussion followed the report on Dean Hurst's reaction. Most of the questions raised sought explanations for his opposition. Why, it was asked, it is unreasonable or unwise to set up a new payment plan at this time? Why did he object to the faculty participation proposal -- what did he not like about it, the plan itself or the procedure? President Thurston was asked to discuss the proposals further with Dean Hurst and to request that he express his replies in writing.

After noting that newly elected senators will be seated and new officers elected at the next meeting on April 23rd, President Thurston recommended consideration by the Senate of merger with the Research Faculty Council. Among the reasons for his recommendation were (1) the increasing size of both Faculty Senate and Research Faculty Council, (2) the broadening of rules which make more faculty eligible to serve on the Research Council, (3) the increasing percentage of people who do both teaching and research, (4) the present difficulty in deciding whether one or both of the groups' presidents should attend meetings such as the Board of Trustees, (5) the organization, (6) present unbalance in the number of senators elected each year and the absence of an obvious means of remedying the situation, (8) the fact that no single school or college is dominant in research or teaching, and (9) the possibility that a single representative body would enjoy enhanced stature over the two present groups.

Immediately before adjournment at 5:20 p.m. a resolution passed the preceding evening by the Student Senate was brought to the Faculty Senate's attention. The resolution recommended more rapid acquisition of books by the university library and suggested a means for achieving that objective, namely, increasing student library fees per term. A motion to commend the Student Senate's effort for this purpose was approved through voice vote by the Faculty Senate.

Respectfully submitted,

Rameth Owens (Mrs. Walton H., Jr.),
Secretary

Absent: A. T. Hind, R. N. Kersey, and D. W. Lyons
The following items on the docket of this committee have been studied and recommendations to the Senate are made as indicated.

1. Elimination of Saturday classes. The committee studied this proposal, using as the basic criteria pedagogical soundness and recommended that no steps be taken to eliminate Saturday classes. The committee so recommends to the Senate.

2. Student Senate bills pertaining to class attendance regulations and to the pass-fail system. In accordance with Dean Hurst's request a committee has been appointed to meet with Dean Hurst and student representatives to discuss these problems. No action seems to be required at this time.

3. Division of Freshman Studies. This question has been studied by a special sub-committee of the Committee for Improving Undergraduate Teaching. Our committee was charged primarily with liaison with this sub-committee. The sub-committee studied the question and recommended no action on setting up a division of Freshman studies. This report has been received as information by the University Committee on Improving Undergraduate Teaching, since no action was recommended. Our committee approves the recommendations of the sub-committee.

4. Possibility of raising GPR requirements for continuing enrollment from the present levels (1.7 after 90 hrs. 1.5 after 60 hrs. 1.3 after 24 hrs). It is our understanding that plans are already underway to raise these requirements in the near future. Our committee recommends that the requirements for continuing enrollment be raised to a level commensurate with the present 2.0 GPR requirement for graduation.

5. Possible changes in the preliminary grade report system. Our committee studied this and reached no definite conclusions. We suggest this be studied further by next year's committee. Items which should be considered include: 1) the possibility of using only satisfactory and unsatisfactory grades, 2) the possibility of eliminating these reports for graduate students or in graduate courses, and 3) the timing of these reports.
6. Calendar standardization. A revised calendar for 1968-69 and the calendar for 69-70 as approved by the Educational Council on March 4 appear to meet the objections raised in the past to some calendar changes. These calendars are standardized to 87 class days per semester, with all class suspensions which have occurred this year included. These calendars all call for starting exams on Monday with graduation held on Thursday or Friday. Our committee therefore recommends no action.

7. Changes in final exam schedule and scheduling of quizzes at other than normal class hours. The present rule that no final exam should be given at other than the scheduled hour without the permission of the schedule committee appears satisfactory and should be adhered to. There appear to be advantages and disadvantages to giving quizzes at other than the normally scheduled class hour. Our committee recommends this be studied further.

8. The possibility of a student's freedom to change majors being used as a means to circumvent departmental requirements for approved courses. Some means of control do exist since student's programs and change of major must be approved by appropriate advisors. The committee was unable to determine the extent or severity of the problem. The committee has no recommendations to make.
MINUTES OF THE GENERAL FACULTY AND STAFF MEETING

May 5, 1967

The annual meeting of the General Faculty and Staff was held at 11:00 A.M. on May 5, 1967 in the Chemistry Auditorium, Dean Victor Hurst presiding.

Dr. James M. Thurston, President of the Faculty Senate, moved that those students whose names appear on the preliminary list of candidates for Bachelors' Degrees minus those on the deletion list be approved for graduation. The motion was passed.

Dr. F. I. Brownley, Dean of the Graduate School, moved that those students on the preliminary list of candidates for Masters' and Doctors' Degrees minus those on the list of deletions be approved for graduation. The motion was passed.

Dr. Claud Green, Chairman of the University Honors and Awards Committee, presented the recommendation of that committee with regard to the Norris Medal. He moved that this award be given to James Lawrence Southerlin who has a cumulative grade point ratio of 3.74. The motion was passed.

Dr. James T. Long, retiring President, reported on the activities of the Faculty Senate during the past year. Of the twenty recommendations sent to the administration by the Faculty Senate, eleven received final approval. They covered such topics as: excuse slips from the Student Health Service; class attendance
regulations; faculty transfer from one campus to another; method of requesting a new course offering; evaluation of curriculum by placing graduates one year after graduation; Faculty Senates for two year parallel branches; and a Tiger Brotherhood proposal to recognize distinguished undergraduate teachers.

Among topics still under consideration by the Faculty Senate are: a study of the combination of the Faculty Senate and the Research Council; a school of freshman studies; consideration of class attendance regulations; and the elimination of Saturday classes. Dr. Long closed his remarks by expressing particular thanks to Dr. H. G. Lefort, Vice President, and to Dr. Louis Henry, Secretary, and to the other members of the Committee on Committees: Professors Banister, Boone, Bowen, Pinckney, Richardson, and Vogel.

Dean Hurst announced the following list of promotions:

College of Agriculture and Biological Sciences

Promoted to Associate Professor

Dr. William V. Chalupa
Dr. Billy Joe Gossett
Dr. James Riley Hill
Dr. William C. Mickelberry
Dr. William A. Shain
Dr. Ernest T. Sims
Dr. George C. Skelly
Dr. George E. Stembridge
Dr. Byron K. Webb

Promoted to Professor

Dr. Wilbert P. Byrd
Dr. Edwin W. King
School of Architecture
Promoted to Associate Professor

Professor Richard T. Reep
Professor John E. Pinckney
Professor John T. Acorn
Professor Ireland G. Regnier

College of Arts and Sciences
Promoted to Associate Professor

Dr. Farrell B. Brown
Dr. Arthur J. Fear
Dr. Robert L. Chaplin
Dr. William E. Gettys
Dr. Henry W. Graben
Dr. Virginia G. Bardsley
Dr. John F. Pearce
Dr. Billy R. Skelton
Dr. Harvey J. Wheeler

Promoted to Professor

Dr. John W. Huffman

School of Education
Promoted to Associate Professor

Dr. Arthur K. Jensen
Dr. Myrton A. Packer

College of Engineering
Promoted to Associate Professor

Dr. James A. Chisman
Dr. Arnold E. Schwartz
Dr. Walter E. Castro
Dr. Melvin K. Richardson
Promoted to Professor

Dr. James T. Long

School of Industrial Management and Textile Science

Promoted to Associate Professor

Dr. John J. Porter

Dean Hurst presented Dr. Robert Cook Edwards, President of Clemson University, who addressed the Faculty. Dr. Edwards expressed his personal appreciation for the support and accomplishments of the Faculty during the past year and congratulated those receiving promotions and tenure. He expressed particular appreciation to Dr. Long of the Faculty Senate and pledged the support of the Administration for Dr. Thurston in the coming year. Dr. Edwards then discussed a number of topics, including the following: the new School of Nursing; the building program; creation of a co-ordinating board by the General Assembly; The State Appropriations Bill; and stated that since February 1, 1967 the University had been in full compliance with the Federal Minimum Wage and Hours Law.

The meeting was adjourned at 11:56 A.M.

Respectfully submitted,

Henry E. Vogel
Secretary of the Faculty
Clemson University

PRELIMINARY LIST

MAY 6, 1967
(Compiled April 5, 1967)

CANDIDATES FOR BACHELORS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

BACHELOR OF SCIENCE DEGREE

Agricultural Economics

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>John Emory Coates</td>
<td>Ocean Drive Beach</td>
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<tr>
<td>William Phillip Hardee</td>
<td>Conway</td>
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<td>James Allen Hiers</td>
<td>Hampton</td>
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<td>Hugh Lowell Huggo</td>
<td>Hemingway</td>
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<td>Ronald Dennis Hunter</td>
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Agronomy

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<tr>
<td>Wooster LeRoy Atkinson</td>
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<tr>
<td>Robert Wallace Hardaway</td>
<td>Dillon</td>
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<tr>
<td>* David Bennett Ledbetter</td>
<td>Williamson</td>
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* Robert Allan Phelps        | Scottsdale, Ariz. |

Animal Science

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<tbody>
<tr>
<td>Walter Lewis Daniels</td>
<td>Santee</td>
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<td>Joseph Keeler Kneice</td>
<td>Aiken</td>
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<tr>
<td>James Allen Altman</td>
<td>Andrews</td>
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<td>Stephen Howard Beale</td>
<td>Fortyeville, N. C.</td>
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<td>Claude Everett Cooper, Jr.</td>
<td>Bossier City, La.</td>
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<td>William DuShenberry Dean</td>
<td>Clemson</td>
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<td>Warren Garybill McElmurray</td>
<td>Aiken</td>
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<td>William King Mosco</td>
<td>California, Md.</td>
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* Ollie Tyrone Gray          | Cordova     |
* James Corbett Kelly        | Monticello, Ga. |

Biology

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<td>James Allen Altman</td>
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<td>William King Mosco</td>
<td>California, Md.</td>
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* Ollie Tyrone Gray          | Cordova     |
* James Corbett Kelly        | Monticello, Ga. |

Dairy Science

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<tr>
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<tbody>
<tr>
<td>James Edward Ransome</td>
<td>Pittsburgh, Pa.</td>
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<td>Harry Eugene Wilson</td>
<td>Labeco</td>
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Entomology

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<tr>
<td>Robert Edward Glenn</td>
<td>Florence</td>
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<tr>
<td>Curtis Garren Hayes</td>
<td>Central</td>
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Food Science

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<tr>
<td>James Bailey Dukes</td>
<td>Manning</td>
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Forestry

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<td>Francis Thomas Brown</td>
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<td>Bentley Gibson Fishburne, Jr.</td>
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<td>Jack Brooks Hafner</td>
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<td>Lawrence Albert Harmon</td>
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<td>Neill Michael Hoag</td>
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* Ollie Tyrone Gray          | Cordova     |
* James Corbett Kelly        | Monticello, Ga. |

Horticulture

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<tr>
<td>Curtis Clarkson Graham, Jr.</td>
<td>Mount Ulla, N. C.</td>
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<td>Gordon Frederick Varique</td>
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* Karl-Heinz Segalken        | Hilgernisse, Germany |

SCHOOL OF ARCHITECTURE

BACHELOR OF ARCHITECTURE DEGREE

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<td>William Russell Bethune</td>
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<td>Edward Ward Blakely</td>
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<td>John Hart Cable</td>
<td>Pittsburgh, Pa.</td>
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<td>Robert Arthur Engler</td>
<td>Placentia, N. J.</td>
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<td>Carl Floyd III</td>
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<td>Michael McKinley Freeman</td>
<td>Asheville, N. C.</td>
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<td>Edwin Roy Laubsley, Jr.</td>
<td>Greensboro, N. C.</td>
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<td>Michael Clay Long</td>
<td>Salisbury</td>
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<td>James Irving Marten</td>
<td>Terrell, N. C.</td>
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| Lloyd Graham Hooper         | Gustanso, N. C. |

BACHELOR OF BUILDING CONSTRUCTION

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<tbody>
<tr>
<td>Paul Robert Miller</td>
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<td>* John Lesene Monteith</td>
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<td>Hoel Serwin Munnl</td>
<td>Elizabeth, N. J.</td>
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<td>William Hanitsche Person</td>
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<td>James Edgar Phillips</td>
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<td>James Clarke Pierso</td>
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<td>Wayne Douglas Roberts</td>
<td>Mars Hill, N. C.</td>
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<td>Charles Thomas Smith</td>
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COLLEGE OF ARTS AND SCIENCES
COLLEGE OF ARTS AND SCIENCES

BACHELOR OF ARTS DEGREE

Arts and Sciences

Tony Marshall Hooper • Seneca

Chemistry

David Richard Bolley • Anderson

Donald Allen Copeland • Greenville

* William Carter Knoeze, Jr. • Greenville

Geology

Ronald Marvin Paddy • Hamlet

* William Pickens Hines • Greenville

Mathematics

* Milton Bridges Auberbach • Enailey

* Joseph Morris Biber • Spartanburg

Robert William Branch • Wadmalaw Island

* Charles Felder Cottingham • Dillon

Physics

David Louis George Bumell • Clayton, Ga.

James Malcolm Helter, Jr. • Sandy Springs

Larry Veron McWhorter • Enailey

Pre-Medicine

* James Harman Carson, Jr. • Sumter

* Frederick Charles Chalmers, Jr. • Greenville

* Harold Minch Copage, Jr. • Seneca

* Scott Phelps, N. J. Frank Peatston Copeland III • Darlington

Ellis Howard Dantler • Cameron

* Richard Lee Denny • Bishopville

* Joseph William Donahue • Batesville, Md.

Barney Brown Easterling, Jr. • Kingstree

Richard Elliott Embanks • Weiland

*** Charles Ellis Felker, Jr. • Elloree

Paul Douglas Fernandes • Englewood, N. J.

Robert Perry French • Cowpens

Raymond Van Grubbs • Fair Play

* Robert Janis Hans • Goffey

* Frank Adelbert Houshall, Jr. • Chester

* George Hilliard Knight • North Augusta

Harry Randolph Maffey • LaGrange, Ga.

Philip Frank Marion • Munroe Park, Pa.

* John Douglas Matthews • North Charleston

Travis Lanier Moore • Lavinia, Ga.

* Peter Evans Myers IV • Nanetics Corner

* John Patrick Nemergut • Stratford, Conn.

Shelley Franklyn Shivers, Jr. • Marietta

* John Thomas Sproll, Jr. • Winnsboro

* Stanley Edward Van Hole • Simpsonville

* Bellon Edward Weeks • Seneca

BACHELOR OF SCIENCE DEGREE

Arts and Sciences

Clyde Marshall Long • Greenwood

*** Nelson Boyd O'Bryan, Jr. • Saluda

Joseph Lucas Rusonka, Jr. • North Augusta

Geology

Ralph O'Neal Richardson • Myrtle Beach

Mathematics

* William Pickens Hines • Greenville

Thomas Eugene Martin, Jr. • Rainbow Rice

* Susan Reindra Moore • Ridgeville

* William Charles Runyon • Greenville

Physics

*** William Clarence Maddox, Jr. • Hones Path

Oliver Baker Morton • Columbia

* Ralph Eugene Pannier, Jr. • Garnetville

Pre-Medicine

* Robert Janis Hans • Goffey

* Frank Adelbert Houshall, Jr. • Chester

* George Hilliard Knight • North Augusta

Harry Randolph Maffey • LaGrange, Ga.

Philip Frank Marion • Munroe Park, Pa.

* John Douglas Matthews • North Charleston

Travis Lanier Moore • Lavinia, Ga.

* Peter Evans Myers IV • Nanetics Corner

* John Patrick Nemergut • Stratford, Conn.

Shelley Franklyn Shivers, Jr. • Marietta

* John Thomas Sproll, Jr. • Winnsboro

* Stanley Edward Van Hole • Simpsonville

* Bellon Edward Weeks • Seneca

ASSOCIATE OF ARTS DEGREE

Nursing

Sara Louise Barnett • Westminster

* Martha Geeney Blackwell • Seneca

* Claudia Ann Clee • Greenville

Brenda Loretta Fowler • Anderson

* Helen Marie Hanshaw • Cowpens

Rebecca Ginger Inamorato • Greenville

*** Sandra Jeanette Lee • Pendleton

Willie Laura Ligon • Greenwood

Dora Elaine Lowery • North Augusta

*** Helen Marie McLeod • Sumter

Doreen Kay Scruggs • Jackson

* Elizabeth Ann Shannon • Greenwood

Barbara Campbell Shirley • Pendleton

Sandra Jean Walker • Greenwood
### SCHOOL OF EDUCATION

**BACHELOR OF SCIENCE DEGREE**

**Agricultural Education**
(Agricultural Education is jointly administered by the College of Agriculture and Biological Sciences and the School of Education.)

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<tbody>
<tr>
<td>Charles Garry Helms</td>
<td>Pelzer</td>
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<tr>
<td>James Theodore McClary, Jr.</td>
<td>Kingstree</td>
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<td>Billy LeRoy Morris, Jr.</td>
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<td>Peter Jack Newton, Jr.</td>
<td>McCall</td>
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<td>Michael Fredrick Kelly</td>
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<td>Robert Vernon Weaver, Jr.</td>
<td>Murphy, N. C.</td>
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**Industrial Education**

- Robert Cunningham Richards --- Macon, Ga.

**Science Teaching**

- Evelyn Clark Elrod --- Ware Shoals
- Carol Jeanette Rostron --- Clemson

### COLLEGE OF ENGINEERING

**BACHELOR OF SCIENCE DEGREE**

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

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<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Carl Emeneker Brown, Jr.</td>
<td>Aiken</td>
</tr>
<tr>
<td>Daniel Edward Burgner</td>
<td>Greenville, Tenn.</td>
</tr>
<tr>
<td>Robert Cunningham Richards</td>
<td>Macon, Ga.</td>
</tr>
</tbody>
</table>

**Ceramic Engineering**

- Denis Albert Brosnan --- Atlanta, Ga.
- John Walter Byers --- Chester
- John Timothy Frasier --- Seneca

- Donald Lee Hindman --- Walhalla
- George Patrick Lawrence --- Charlotte, N. C.

**Chemical Engineering**

- Frederick Charles Ayer III --- Seneca
- Alton McCoy Beasley --- Aiken
- Charles Gary Beaudrot --- Greenwood
- Leander Bartholomew Bowen --- Iva
- Ben Terry Clark III --- Charleston
- William Michael Click --- Gainesville, Ga.
- Edward Darrell Conner --- Timmonsville
- Dean Cudd Gaskins --- Spartanburg

- Harry Edward Lindler --- Laurens
- Rupert James McCormac III --- Columbia
- Frederick Bergen Moore --- Kingsport, Tenn.
- Theodore McGroarty Northrop --- Greenville
- Peter Gaillard Smith --- Johns Island
- Jonathon Dale Steele --- Lancaster
- Eugene Preston Trotter, Jr. --- Easley
- Robert Miller Ward, Jr. --- Rock Hill
- Alfred Charles Whitemore --- Easley
- Jack Lee Wilks, Jr. --- Charleston

**Civil Engineering**

- Herman Woodrow Cauble, Jr. --- Columbia
- Norman Edwin Dawling --- Orangeburg
- James William Epps --- Clemson
- Robert Barnard Gordon --- Edgewater, Md.
- Donald Hugh Higgins --- Asheville, N. C.
- David Alan Jones --- Asheville, N. C.
- Terry Arnold Kingsmore --- Buffalo
- Glenn Wade Phillips --- Tampa, Fla.
- Jack Beverley Phillips, Jr. --- North Augusta
- Ernest Harold Smith --- Rock Hill
- Donald Franklin Spencer --- Greenville
- Ronald Lee Spencer --- Greenville
- Thomas Emmett Touchstone --- Commerce, Ga.
- Harold Joe Wilson --- Sumter
SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

BACHELOR OF SCIENCE DEGREE

Industrial Management

James Garner Boggal III --- Statesville, N. C.
Phillis McBride Brooks, Jr. --- Newberry
Lucy McAdoo Chainuff --- Raleigh, N. C.
Jimmy Don Clark --- Kissimmee, Fla.
Samuel Boyd Daniels, Jr. --- Dillon
Robert William Dilworth, Jr. --- Wochita Falls
George Gary Doubleday --- Knoxville, Tenn.
Donald Edgar Duncan --- Travellers Rest
Charles George Elliott, Jr. --- Scranton
Stephanie Nash Gilliss --- Commerce, Ga.
Jerry Mack Gregory --- Union
Mac Richard Haley --- Barnwell
Kenneth David Holliday --- Goldsboro, N. C.
Bruce William Johnson --- Lawrence, N. Y.
Ben Elden jun. --- Milliadvilge, Ga.
Ellison Smyth Kelly, Jr. --- Startex
Forest Edward Kimmell, Jr. --- Lyman
Clinton Cuthton Leman --- Barnwell
Maurice King Lopes, Jr. --- Liberty
John David McDaniell, Jr. --- Liberty

*** Hubert Jennings Booth --- Hartsville
Patrick Day Bradly --- Aiken

Textile Chemistry

William Ryan Hovis --- Rock Hill
Warren Sumner Perkins --- Elloree

Textile Management

Ronald Lee Boyce --- Coosaw, N. C.
Everett Max Cromer --- Greenville
William William Curtis, Jr. --- Laurel, Miss.
Ronald Lane Dance --- Lugoff
Robert Lee Faison --- Gaffney
Marion David Hatt --- Williamson

** Howard Gary Rogers --- Williamson
Tommy Woodrow James, Jr. --- Sumter

* With honor
** With high honor
*** With highest honor
† With departmental honors
CANDIDATES FOR MASTERS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

MASTER OF SCIENCE DEGREE

Agronomy
Marvin Burress Banton ................. Richmond, Va.

Entomology
Von H. McCaskill ..................... Salisbury, N. C.

Forestry
Francis Asbury Lawton, Jr. ........... Greenville

Horticulture
John Wallace Curnow, Jr. ............. Charlotte, N. C.
Maurice Edgar Ferree .................. Clemson

Zoology
George Francis B. Buletzki, Jr. .......... Fair Lawn, N. J.

COLLEGE OF ARTS AND SCIENCES

MASTER OF ARTS DEGREE

Economics
Marshall Burrell Richardson ............ Harrison, Ohio

English
Faye Penland Cowan ..................... Ithaca
Mellie Clark Lafcadio .................. Columbus

History
Lynda Worley Skelton ................. Macon, Ga.

Pharmacy
Joseph Henry Cecil ..................... Louisville, Ky

Mathematics
Joann Barbee Barnhardt ................. Oakboro, N. C.
James Roy Felker, Jr. ............... Newberry

Physics
Robert Delwyn Evans, Jr. .............. Rock Hill

SCHOOL OF EDUCATION

MASTER OF EDUCATION DEGREE

Mary Watford Gore ..................... Pageland

COLLEGE OF ENGINEERING

MASTER OF SCIENCE DEGREE

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

Chemical Engineering
Ronald Wayne Glass .................. Leachville, Ark.

Civil Engineering
Ayse Nursel Cevizyilliglu .......... Ankara, Turkey
Refet Cevizyilliglu .................. Iskenderun, Turkey

Electrical Engineering
Owen Stirling Chambers ............. Beaufort
James Benjamin Cox, Jr. ........... Anderson

Engineering Mechanics
Conor Deane Johnson .................. Orange, Va.

Environmental Systems Engineering
Albert Anthony Cannella ............ Cookeville, Tenn.

Mechanical Engineering
Frederick Adair Dunlap III .......... Rock Hill
William Thomas Erwin ............... Memphis, Tenn.

Wiboolsak Arunin ...................... Bangkok, Thailand
David Carroll Kenyon ................. Windsor, Vt.

Wiboolsak Arunin ...................... Bangkoek, Thailand
Luke Atkinson Nance, Jr. ............ Spartanburg

William Otis Callum, Jr. ............ Columbia
Crescenc Earl Holcombe, Jr. .......... Anderson

William Otis Callum, Jr. ............ Columbia
Crescenc Earl Holcombe, Jr. .......... Anderson

Ayse Nursel Cevizyilliglu .......... Ankara, Turkey
Refet Cevizyilliglu .................. Iskenderun, Turkey

Owen Stirling Chambers ............. Beaufort
James Benjamin Cox, Jr. ........... Anderson

Owen Stirling Chambers ............. Beaufort
James Benjamin Cox, Jr. ........... Anderson

Frederick Adair Dunlap III .......... Rock Hill
William Thomas Erwin ............... Memphis, Tenn.

Hsi Owen Jones ......................... Kingsport, Tenn.
Chan F. Lam .......................... Kowloon, Hong Kong
CANDIDATES FOR DOCTORS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

DOCTOR OF PHILOSOPHY DEGREE

Agronomy

Kenneth Edward Savage ...................................................... Proctor, Ark.
B.S., Arkansas State; M.S., Clemson University
Dissertation: Phenylurea Herbicide Behavior in Soil as Related to Calcium and Hydrogen Ion Activity

Entomology

Gerhard Fred Fedde ............................................................. Asheville, N. C.
B.S., New York State College of Forestry; M.S., Clemson University
Dissertation: Comparative Analyses of Systematic Procedures and Biological Characteristics Relating to Pine Aphids of the Genus Cinara in Western South Carolina

Jerry Allen Payne .............................................................. Upperville, Va.
B.S., University of Tennessee; M.S., Clemson University
Dissertation: A Comparative Ecological Study of Pig Carrion Decomposition and Animal Succession with Special Reference to the Insects

COLLEGE OF ARTS AND SCIENCES

DOCTOR OF PHILOSOPHY DEGREE

Chemistry

George Thomas Cochran ....................................................... New Lenox, Ill.
B.S., University of Richmond; M.S., University of Tennessee
Dissertation: A Study of the Coordination Compounds of d 1- p, p'-Diamino-2, 3-di-phenyl-butane with Selected Univalent Metal Ions

Edwin Platt Hall ................................................................. Alexandria, Va.
B.S., Davidson College; M.S., Clemson University
Dissertation: The Pyrolysis of Selected N-Aryl O-Alkyl Iminochlorides and N-Phenyl O-Alkyl Benzimidates

Physics

Charles Malcolm Bowden ...................................................... Richmond, Va.
B.S., University of Richmond; M.S., University of Virginia

William James Reid, Jr. ....................................................... Abbeville
B.S., Erskine College; M.S., Duke University
Dissertation: The Effect of Strain on the Superconducting Transition Temperature of Vacuum Deposited Indium Films

COLLEGE OF ENGINEERING

DOCTOR OF PHILOSOPHY DEGREE

B.S., West Virginia University; M.S., Clemson University
Dissertation: Oxygen Transfer and Utilization Determinations for a Mathematical Model for the Submerged Fermentation of Glucose by Pseudomonas ovalis

Robert Ned Brannock ......................................................... Orlando, Fla.
B.S., Duke University; M.S., University of Missouri
Dissertation: Thermal and Mechanical Stresses in Thin Circular Sandwich Shells
PRELIMINARY LIST

May 6, 1967

(Compiled April 5, 1967)
To the Educational Council:

The following list includes information concerning every candidate for the Doctor's Degree, the Master's Degree, and the Bachelor's Degree this May who has failed to complete one or more of the requirements for graduation.

I. Candidates for Doctor's Degrees

Robert Ned Brannock .................................. Civil Engineering
Edwin Platt Hall ........................................ Chemistry

II. Candidates for Master's Degrees

Part II includes candidates for the Master's Degree who did not complete their requirements.

James Robert Booth .................................... Ceramic Engineering
Owen Stirling Chambers ................................ Electrical Engineering
Faye Penland Cowan ..................................... English
James Benjamin Cox, Jr. ................................ Electrical Engineering
William Otis Cullum, Jr. ............................... Ceramic Engineering
Robert Dalyn Evans, Jr. ................................ Physics
Mack James Fleming ..................................... Horticulture
Willard Wayne Ganter .................................. Civil Engineering
David Carroll Kenyon ................................... Agricultural Engineering
Michael Dalrymple King ................................ English
Chan F. Lam ................................................. Mechanical Engineering
Francis Asbury Lawton, Jr. ............................. Forestry
Phyllis Richiedine Loadholt ........................... English
Von H. McCaskill ......................................... Entomology
George William Harrah ................................ Mathematics
Marshall Burrell Richardson ............................. Economics
George Campion Rush .................................... Electrical Engineering
Richard Henry Smaak ..................................... Ceramic Engineering

III. Candidates for Bachelor's Degrees

First we have listed those who are deficient in total credits. Please note the deficiency in total credits as indicated after the abbreviation of the student's major course.

The second group includes the candidates who are deficient in a required subject.

The third group includes the candidates who are deficient in quality requirements.

A list of the honor graduates with their final cumulative grade-point ratios is also included.
## Deficient in Total Credits

*(Including any other deficiencies)*

<table>
<thead>
<tr>
<th>Name</th>
<th>Subject</th>
<th>Credits</th>
<th>Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Abrams, J. H., Jr.</td>
<td>Engl 409</td>
<td>3</td>
<td>I</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hist 332</td>
<td>3</td>
<td>I</td>
<td></td>
</tr>
<tr>
<td>Beasley, A. M.</td>
<td>Ch E 450</td>
<td>3</td>
<td>F</td>
<td></td>
</tr>
<tr>
<td>Benedict, G. W.</td>
<td>Arch 542</td>
<td>8</td>
<td>I</td>
<td></td>
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<tr>
<td>Bishop, M. B.</td>
<td>E E 410</td>
<td>3</td>
<td>F</td>
<td></td>
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<tr>
<td></td>
<td>GPR 1.76</td>
<td></td>
<td></td>
<td>Lacks 2 grade points of having 1.9 GPR.</td>
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<tr>
<td>Burnell, D. L. G., Jr.</td>
<td>Phys 322</td>
<td>3</td>
<td>F</td>
<td></td>
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<tr>
<td></td>
<td>Phys 452</td>
<td>3</td>
<td>F</td>
<td></td>
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<td></td>
<td>GPR 1.86</td>
<td></td>
<td></td>
<td>Lacks 6 grade points of having 1.9 GPR.</td>
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<tr>
<td>Byers, J. W.</td>
<td>ME 481</td>
<td>3</td>
<td>F</td>
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<td>Cucolo, W. B.</td>
<td>Hist 402</td>
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<td>I</td>
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<td></td>
<td>GPR 1.78</td>
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<td></td>
<td>Lacks 17 grade points of having 1.9 GPR.</td>
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<td>Frasier, J. T.</td>
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<td>F</td>
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<td>Glazener, T. W.</td>
<td>Hist 204</td>
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<td>F</td>
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<td>Guest, J. D.</td>
<td>E E 425</td>
<td>3</td>
<td>F</td>
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<td></td>
<td>E E 431</td>
<td>3</td>
<td>F</td>
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<td>Hooper, L. G.</td>
<td>A previous candidate for graduation. He did not make up the deficiency.</td>
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<tr>
<td>Huggins, H. L.</td>
<td>Engl 304</td>
<td>3</td>
<td>F</td>
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<td></td>
<td>GPR 1.83</td>
<td></td>
<td></td>
<td>Lacks 11 grade points of having 1.9 GPR.</td>
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<tr>
<td>Long, C. M.</td>
<td>Ch 411</td>
<td>4</td>
<td>F</td>
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<tr>
<td>Reed, H. J.</td>
<td>E E 410</td>
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<td>F</td>
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<tr>
<th>Subject</th>
<th>Required for Major</th>
<th>Required for Minor</th>
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<tr>
<td>A&amp;S-Engl</td>
<td>(Lacks 6 credits)</td>
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<tr>
<td>Ch E</td>
<td>(Lacks 3 credits)</td>
<td></td>
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<tr>
<td>BC</td>
<td>(Lacks 8 credits)</td>
<td>Required Subject</td>
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<tr>
<td>EE</td>
<td>(Lacks 2 credits)</td>
<td>Required Subject</td>
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<tr>
<td>Phys</td>
<td>(Lacks 6 credits)</td>
<td>Required Subject</td>
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<tr>
<td>A&amp;S-Hist</td>
<td>(Lacks 2 credits)</td>
<td>Required for Major</td>
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<tr>
<td>Cr E</td>
<td>(Lacks 3 credits)</td>
<td>Substitution for Required Subject</td>
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<tr>
<td>ME</td>
<td>(Lacks 3 credits)</td>
<td>Substitution for Required Subject</td>
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<tr>
<td>EE</td>
<td>(Lacks 3 credits)</td>
<td>Elective Subject</td>
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<tr>
<td>BC</td>
<td>(Lacks 1 credit)</td>
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<tr>
<td>Ag Ec</td>
<td>(Has 1 extra credit)</td>
<td>Required Subject</td>
</tr>
<tr>
<td>Ch</td>
<td>(Lacks 3 credits)</td>
<td>Required Subject</td>
</tr>
<tr>
<td>EE</td>
<td>(Lacks 1 credit)</td>
<td>Required Subject</td>
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48
<table>
<thead>
<tr>
<th>Name</th>
<th>Course/Subject</th>
<th>Grade</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Smith, B. C.</td>
<td>IM 311</td>
<td>3</td>
<td>F Required Subject</td>
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<tr>
<td></td>
<td>IM 407</td>
<td>1</td>
<td>F Required Subject</td>
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<tr>
<td></td>
<td>Soc 351</td>
<td>3</td>
<td>F Required Subject</td>
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<tr>
<td>Tindall, R. M.</td>
<td>ME 412</td>
<td>3</td>
<td>F Required for Senior Option</td>
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<td>Deficient in Required Subject</td>
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<td>(Including any other deficiencies)</td>
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<tr>
<td>Coates, J. E.</td>
<td>Engl 301</td>
<td>3</td>
<td>F Ag Ec (Has 3 extra credits) Required Subject</td>
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<tr>
<td>Crooks, M. B., Jr.</td>
<td>Engl 431</td>
<td>3</td>
<td>F A&amp;S-Engl (Has 7 extra credits) Required for Major</td>
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<td>Soc 351</td>
<td>3</td>
<td>F Required for Minor</td>
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<td>GPR 1.75 - Lacks 23 grade points of having 1.9 GPR.</td>
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<tr>
<td>Fernandez, P. D.</td>
<td>Ch 324</td>
<td>3</td>
<td>F Pre-Med (Has 15 extra credits) Required Subject</td>
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<td>GPR 1.70 - Lacks 26 grade points of having 1.9 GPR.</td>
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<tr>
<td>Haas, R. J.</td>
<td></td>
<td></td>
<td>Pre-Med Medical college senior. Did not receive necessary information.</td>
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<tr>
<td>Earley, M. R.</td>
<td>IM 407</td>
<td>1</td>
<td>I IM (Has 11 extra credits) Required Subject</td>
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<tr>
<td>Holliday, K. D.</td>
<td>IM 401</td>
<td>3</td>
<td>F IM (Has 7 extra credits) Required Subject</td>
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<td>GPR 1.84 - Lacks 9 grade points of having 1.9 GPR.</td>
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<tr>
<td>Kelly, E. S., Jr.</td>
<td>Econ 311</td>
<td>3</td>
<td>F IM (Has 1 extra credit) Required Subject</td>
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<tr>
<td></td>
<td>IM 401</td>
<td>3</td>
<td>F Required Subject</td>
</tr>
<tr>
<td>Kneese, J. K.</td>
<td>Engl 301</td>
<td>3</td>
<td>F AnSc (Has 20 extra credits) Required Subject</td>
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<tr>
<td>Roberts, W. D.</td>
<td>Arch 592</td>
<td>11</td>
<td>I Arch (Has 14 extra credits)</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>A previous candidate for graduation. He did not make up the deficiency.</td>
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<tr>
<td>Singleton, C. E.</td>
<td>IM 401</td>
<td>3</td>
<td>F IM (Has 9 extra credits) Required Subject</td>
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<td>GPR 1.84 - Lacks 10 grade points of having 1.9 GPR.</td>
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<tr>
<td>Smith, C. T.</td>
<td>Arch 592</td>
<td>11</td>
<td>I Arch (Has 28 extra credits) Required Subject</td>
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<tr>
<td>Thomason, E. H.</td>
<td>Ch 324</td>
<td>3</td>
<td>F Biol (Has 55 extra credits) Required Subject</td>
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<td>GPR 1.78 - Lacks 5 grade points of having required GPR.</td>
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</table>
Deficient in Quality Requirements

Burgess, A. F.
GPR 1.84 - Lacks 11 grade points of having 1.9 GPR.

Cromer, W. C.
GPR 1.86 - Lacks 6 grade points of having 1.9 GPR.

Dawling, Decania
GPR 1.72 - Lacks 39 grade points of having 1.9 GPR.

Dikes, James B.
GPR 1.86 - Lacks 7 grade points of having 1.9 GPR.

Dyson, R. C., Jr.
Engl 201 at Anderson College. Grade not yet received.
Math 102 WP
GPR 1.89 - Lacks 1 grade point of having 1.9 GPR.

Hoppman, H. J.
GPR 1.77 - Lacks 18 grade points of having 1.9 GPR.

Hudson, J. W.
GPR 1.84 - Lacks 11 grade points of having 1.9 GPR.

Jackson, J. W.
GPR 1.86 - Lacks 5 grade points of having 1.9 GPR.

Lapp, F. L.
GPR 1.86 - Lacks 6 grade points of having 1.9 GPR.

Le Etremery, W. G.
GPR 1.87 - Lacks 4 grade points of having 1.9 GPR.

Macanga, R. J.
GPR 1.83 - Lacks 12 grade points of having 1.9 GPR.

Martin, C. T., Jr.
GPR 1.81 - Lacks 13 grade points of having 1.9 GPR.

Martin, T. E., Jr.
GPR 1.84 - Lacks 9 grade points of having 1.9 GPR.

Pushkar, J. M.
GPR 1.85 - Lacks 9 grade points of having 1.9 GPR.

A&S-Hist (Has 53 extra credits)
EE (Has 13 extra credits)
EE (Has 35 extra credits)
FdSc (Has 8 extra credits)
TS (Has 6 extra credits)
A&S-Hist (Has 2 extra credits)
EE (Has 8 extra credits)
A&S-Engl (Has 1 extra credit)
AgEc (Has 3 extra credits)
Hort (Has required number of credits)
ChE (Has 2 extra credits)
ChE (Has 1 extra credit)
Biol (Has 4 extra credits)
A&S-Soc (Has 8 extra credits)
EE (Has 2 extra credits)
Math (Has 8 extra credits)
A&S-Engl (Has 36 extra credits)
Steele, J. D.
GPR 1.81 - Lacks 10 grade points of having 1.9 GPR.

Terry, D. H.
GPR 1.89 - Lacks 1 grade point of having 1.9 GPR.

Terry, W. M.
Econ 314 3 F
GPR 1.67 - Lacks 36 grade points of having 1.9 GPR.

Wright, P. G., Jr.
GPR 1.78 - Lacks 22 grade points of having 1.9 GPR.

ChE (Has 12 extra credits)
A&S-Hist (Has 13 extra credits)
ME (Has 11 extra credits)
IM (Has 14 extra credits)
### Final Cumulative Grade Point Ratios of Honor Graduates
(Will Receive Bachelors Degrees Except as Noted)
May 6, 1967

With Highest Honor *** 3.80 and above

<table>
<thead>
<tr>
<th>Name</th>
<th>G.P.R</th>
<th>Major</th>
<th>Course</th>
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<tbody>
<tr>
<td>Robert Jennings Booth</td>
<td>3.88</td>
<td>TC</td>
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</tr>
<tr>
<td>Claudia Ann Cheek</td>
<td>3.84</td>
<td>Nurs **</td>
<td></td>
</tr>
<tr>
<td>Norman Edwin Dowling</td>
<td>3.82</td>
<td>CE</td>
<td></td>
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<tr>
<td>Henry Miles Faris, Jr.</td>
<td>3.94</td>
<td>Pre-Med *</td>
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<tr>
<td>Sandra Jeanette Lee</td>
<td>3.92</td>
<td>Nurs **</td>
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<tr>
<td>William Clarence Maddox, Jr.</td>
<td>3.82</td>
<td>Phys</td>
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<tr>
<td>Nelson Boyd O'Bryan, Jr.</td>
<td>3.91</td>
<td>Ch</td>
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<tr>
<td>Robert James Rolli</td>
<td>3.91</td>
<td>A&amp;S-Engl</td>
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</table>

With High Honor ** 3.50 - 3.79

<table>
<thead>
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<th>Name</th>
<th>G.P.R</th>
<th>Major</th>
<th>Course</th>
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<tr>
<td>Miriam Bridges Ausburn</td>
<td>3.59</td>
<td>Math</td>
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<tr>
<td>Judith Marie Florie</td>
<td>3.65</td>
<td>A&amp;S-Engl</td>
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<tr>
<td>James Gordon Goodwin, Jr.</td>
<td>3.65</td>
<td>ChE</td>
<td></td>
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<tr>
<td>Sandra Elaine Hicks</td>
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With Honor * 3.00 - 3.49

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<td>Edward Franklin Eison</td>
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<td>Willie Tyrone Gray</td>
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<td>William Neely Hannah</td>
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<td>Michael Jones Maxwell</td>
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<td>Richard Edwin Miley</td>
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<td>Samuel Arron Mitchum</td>
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<td>Glenn Wade Phillips</td>
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<td>Kenneth Crawford Traynham</td>
<td>3.40</td>
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<td>Harold Joe Willson</td>
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** Will Receive Associate of Arts Degree.
Minutes of the Academic Faculty  
Clemson University  
August 5, 1967

The Academic Faculty of Clemson University met at 9:00 a.m. on August 5, 1967, in Brackett Hall Auditorium. Dean Victor Hurst presided. Acting on a motion made by Dr. Garnet R. Craddock, members of the faculty approved for undergraduate degrees those candidates whose names appeared on the printed list with the exception of those appearing on the mimeographed deletion list. A similar motion made by Dean F. I. Brownley on behalf of candidates for graduate degrees was also passed.

Following brief remarks by President Robert C. Edwards, the meeting was adjourned at 9:03 a.m.

Louis Henry  
Acting Secretary

Enclosure
## PRELIMINARY LIST

**AUGUST 5, 1967**

(Compiled July 11, 1967)

### COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

#### BACHELOR OF SCIENCE DEGREE

**Agricultural Economics**
- John Emory Coates
  - Ocean Drive Beach
- Samuel Hall Hudson III
  - Columbia
- Francis Lawrence Kapp
  - Greenville
- Gordon Smith Wilson
  - Thomson, Ga.

**Agronomy**
- William Edwin Dorgon, Jr.
  - Darlington
- Charles Bernard Hand
  - Washington, D. C.

**Animal Science**
- Edward Livingstone Hagan, Jr.
  - Due West
- Joseph Kesler Knease
  - Aiken
- William Monroe Shirer, Jr.
  - Cameron

**Biology**
- Robert Gordon Castles
  - Big Pine Key, Fla.
- James Richard Cunningham
  - Black Mountain, N. C.
- Charles Cameron Ferguson
  - North Augusta
- Douglas Holmes Hughes
  - Union
- Robert Gordon Castles
  - Big Pine Key, Fla.
- James Richard Cunningham
  - Black Mountain, N. C.
- Charles Cameron Ferguson
  - North Augusta
- Douglas Holmes Hughes
  - Union

**Food Science**
- Travis Coleman Cork III
  - Clermont, Fla.
- Travis Coleman Cork III
  - Clermont, Fla.
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville

**Forestry**
- Travis Coleman Cork III
  - Clermont, Fla.
- William Robert Corn
  - Union
- Charles Thomas Smith
  - Greenville

**Horticulture**
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville

**Poultry Science**
- Travis Coleman Cork III
  - Clermont, Fla.
- William Robert Corn
  - Union
- Charles Thomas Smith
  - Greenville
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville
- Mary Olis Brooks
  - Junior
- Hugh Webb Gilchrist
  - Greenville

### SCHOOL OF ARCHITECTURE

#### BACHELOR OF ARCHITECTURE DEGREE

- Arthur Jacob DeLoach
  - Scotia
- Charles Thomas Smith
  - Greenville

#### BACHELOR OF BUILDING CONSTRUCTION

- George William Benedict
  - Duquesne, Pa.
- Lloyd Graham Hooper
  - Gastonia, N. C.

### COLLEGE OF ARTS AND SCIENCES

#### BACHELOR OF ARTS DEGREE

- Sandra Gale Kyle
  - La France
- Dennis Dean Landreth
  - Springfield, Va.
- John D. Lane, Jr.
  - Clinton
- Daniel Lee McConnell
  - Anderson
- Robert John Macarona
  - Roseland, N. I.
- Lee Vannider Moncrief
  - Spartanburg
- John Michael Pischke
  - Columbia
- Charles Jeffrey Reese
  - Rock Hill
- David Robert Schumpert, Jr.
  - Columbia
- Joseph Warren Sellers III
  - Jackson, Ga.
- Maurice Dale Smith
  - Celina, Ohio
- Roy Oliver Smith
  - Pittsburgh, Pa.
- Donnie Hubert Terry
  - Seneca
- William David West
  - Spartanburg
- Carl Stephen Wilson
  - Fort Mill
BACHELOR OF SCIENCE DEGREE

Chemistry

Ralph Clarence Cotrell III  Orlando, Fla.  Clyde Marshall Long  Greenwood

Geology

James Grey McWhorter  Rutherford, N. J.

Mathematics

John McMania III  Cho  Steven Terry  Ridgewood, N. J.

* Thomas Eugene Martin, Jr.  Rock Hill

Medical Technology

*Georgia Lou Thompson Benninger  Anderson  Gerald Kenneth Reubush, Jr.  Charleston Heights

Physics

Ronald Edgar Swanson  Spartanburg

Pre-Medicine

Thomas Allen Battie, Jr.  Greenville

Willis Wallace Bruner, Jr.  Columbia

Joe David Burnette  Midwest City, Okla.

*Robert Jumian Hoy  Cullowhee

ASSOCIATE OF ARTS DEGREE

Nursing

Karen Lee Amospecher  Greenville  Kell Jean Phillips  Palmetto

Jane Renee Ashley  Brevard  Brenda Ann Smith  Anderson

Rachel Crew Ellis  Easley  Cynthia Dobers Smith  Anderson

* Elizabeth Field  Seneca  Sandra Lewis Weaver  Clemson

Trudy Gannan Lamb  Woodruff  Imaries Marie Wrenn  Pendleton

John Edward Messner III  Pendleton

SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE DEGREE

Agricultural Education

William Haysworth Bull  Cramerton  Malvyn Wendell Johnson  Greenville

Douglas Carlyle Carroway  Clinton  Fred Simmons Wiltink, Jr.  Blackburg

Industrial Education

David Allen Clegg  Hodges  James Ference Rhubarth, Jr.  Charleston

John Gary Evans Hampton III  Yorkville

SCHOOL OF EDUCATION

BACHELOR OF SCIENCE DEGREE

Agricultural Education is jointly administered by the College of Agriculture and Biological Sciences and the School of Education.

William Haysworth Bull  Cramerton  Malvyn Wendell Johnson  Greenville

Douglas Carlyle Carroway  Clinton  Fred Simmons Wiltink, Jr.  Blackburg

Industrial Education

David Allen Clegg  Hodges  James Ference Rhubarth, Jr.  Charleston

John Gary Evans Hampton III  Yorkville

SCHOOL OF COMMERCE

BACHELOR OF SCIENCE DEGREE

Ceramic Engineering

Richard Margaret Redding  Enid, Okla.  Donald Edgar Swanson  Spartanburg

Civil Engineering


Electrical Engineering

Milton Henry⊗ III  Martville

Michael Benjamin Bishop  Spartanburg

Jerry Dean Brock  Aiken

William Clarence Coleman  Anderson

Lloyd Tyrone Crabby  North Charleston

Jerry Dean Guest  Great Falls

Tahir Hamid  Wataha

Donald Lawrence Harris  Walthala

Joseph Warren Hudson  Hendersonville, N. C.

Industrial Engineering

William Michael Olsen  Red Bank, N. J.

Mechanical Engineering

Thomas Claude Brown, Jr.  Greenville

William Barry Chisholm  Clinton

Thomas Loydus Colthieu  Spartanburg

Robert Blane Gibson  Baltimore, Md.

Thomas Walter Glasser  Beaverton, N. C.

David Alexander Gray  Spartanburg

SCHOOL OF INDUSTRIAL, MANUFACTURING AND TEXTILE SCIENCE

BACHELOR OF SCIENCE DEGREE

Industrial Management

Rondell Dean Arrick  Cayce  Mohammad Nisad Rehman  Aleppo, Syria

Warren John Bull III  Ninety Six

Cynthia Friend  Asheville

*Richard James Goodwin  Greenville

*Mac Richard Harley  Barnwell

Kevin David Holiday  North Augusta

*Albert Leroy Sellers  Statesboro

*Robert Mitchell Tindall  Jacksonville, Fla.

Robert Preston Wamer  Greenwood

industrial Management and Textile Science

Rondell Dean Arrick  Cayce  Mohammad Nisad Rehman  Aleppo, Syria

Warren John Bull III  Ninety Six

Cynthia Friend  Asheville

*Richard James Goodwin  Greenville

*Mac Richard Harley  Barnwell

Kevin David Holiday  North Augusta

*Albert Leroy Sellers  Statesboro

*Robert Mitchell Tindall  Jacksonville, Fla.

Robert Preston Wamer  Greenwood

James Nelson Wamer, Jr.  North Charleston

Derek E. Conklin  Novi, Mich.

Lawrence Paul Freeman  Columbus, Ga.

Daron Thomas Buckley  Seneca

Frank Lattimer Robinson, Jr.  Bethesda, Md.

Albert Leroy Sellers  Statesboro

*Robert Mitchell Tindall  Jacksonville, Fla.

Pauline

Larry Richard Shev  Fort Mill

Derek Thomas Buckley  Seneca

Clifford Eugene Singleton  North Charleston

Frederick E. Storer  Pittsburgh, Pa.

*William Edmund Richardson  Blythewood

Paul Girard Wright, Jr.  Decatur, Ga.
Donald Jerry Denton
Charles Hubert Hattfield
William Shirley Haynie
James Cecil Kay

Robert Clayton Dyson, Jr.

CANDIDATES FOR MASTERS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

MASTER OF SCIENCE DEGREE

Agricultural Economics
Gene Wallace Dukes
Robert Henry Elrod

Agronomy
Meo-Chih Chou
Chester Derral Gordon

Agronomy
Moc-Kam Fleming

Nutrition
Chen-Hau Poon

Entomology
Alfred Arthur Graves

Plant Pathology

Zoology
Robert Osborne Brown, Jr.
William Edwin Gore, Jr.
Robert Bernard Moorehead, Jr.

COLLEGE OF ARTS AND SCIENCES

MASTER OF ARTS DEGREE

Economics
Marshall Burrell Richardson

MASTER OF SCIENCE DEGREE

Chemistry
Glenn Keith Jacobs
Frank Edward Mixon
David Albert Ott

Physics
Wanda Randall Ferrell

SCHOOL OF EDUCATION

MASTER OF EDUCATION DEGREE

Harold Walker Alley, Jr.
William Glenn Garrison

MASTER OF INDUSTRIAL EDUCATION DEGREE

Ernest Sylvester Knighton, Jr.
Bruce Nichols Lomax, Jr.
John Erskine Lee, Jr.

Robert Clayton Dyson, Jr.

Williamston
Mooreville, N. C.

Robert Clayon Dyson, Jr.

With highest honor

Williamston

Textile Science

Robert Clayon Dyson, Jr.

With honor

North Carolina

Robert Clayon Dyson, Jr.

With highest honor

North Carolina

Robert Clayon Dyson, Jr.

With honor

North Carolina

Robert Clayon Dyson, Jr.

With highest honor

North Carolina

Robert Clayon Dyson, Jr.

With honor

North Carolina
Masters of Science Degree

Chemistry


Phylici Richele Loughead, Pittsburgh, Pa.

Mathematics

Glen Keith Jacobs, Jackson, Miss. Frances Russell Richards, Shoosport, N. S.


David Albert Greer, Pensacola, Fla.

Physics


School of Education

Master of Education Degree


Phyllis Richele Loadholt, Fairfax, Va.

Master of Industrial Education Degree

Dave Henry Price, Jr., West Columbia, S. C.

College of Engineering

Master of Science Degree

Agricultural Engineering

David Carroll Kenyon, Windsor, Vt.

Chemical Engineering

Jerry Cornelius Ford III, Logan, Utah

Civil Engineering

Henry Henry Atkins, Jr., Anderson, S. C.

Charles Henry King, Shreveport, La.

Electrical Engineering

Owen Stirling Chambers, Nashville, Tenn.

Environmental Systems Engineering


Mechanical Engineering

Charles William Crawford, Central, Okla.

SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

Master of Science Degree

Textile Chemistry

Philip Andrew Spanninger, Quakertown, Pa.

Candidates for Doctors' Degrees

College of Agriculture and Biological Sciences

Doctor of Philosophy Degree

Agricultural Economics

John Michael Mize, Fayetteville, N. C.

B.A. Presbyterian College; M.S. Clemson University

Dissertation: An Analysis of Potential Farm Labor Mobility in the Northern Coastal Plain Region of South Carolina

College of Arts and Sciences

Chemistry

Edwin Platt Hall, Alexandria, Va.

B.S. Davidson College; M.S. Clemson University

Dissertation: Mechanism of the Pyrolysis of Alkyl N-Phenylchloroimides and Alkyl N-Substituted Benzimidates

Physics

John Patrick Kenny, Peoria, Ill.

B.S. St. Louis University

Dissertation: Viscous Coefficients and High Temperature Viscosity Coefficients for Segmented Polymeric Models

John Calvin Whisenhunt, Erwin, Tenn.

B.S. East Tennessee State; M.A. East Tennessee State

Dissertation: A Numerical Analysis of the IP Shell Nucleides

College of Engineering

Doctor of Philosophy Degree

Robert Red Strumback, Orlando, Fla.

B.S. Duke University; M.S. University of Missouri

Dissertation: Thermal and Mechanical Stress in Thin Circular Sandwich Shells (Field of Specialization: Civil Engineering)

William Stanley Johnson, Carbondale, Ill.

B.S. University of Tennessee; M.S. Clemson University

Dissertation: Analytical and Experimental Study of the Pulsejet Ejector (Field of Specialization: Mechanical Engineering)
Clemson University
Office of Admissions and Registration
August 5, 1967

The Educational Council:

The following list includes information concerning every candidate for the Doctor's Degree, the Master's Degree, and the Bachelor's Degree this year who has failed to complete one or more of the requirements for graduation.

I. Candidate for Doctor's Degree

Robert Ned Brannock ........................................... Civil Engineering

II. Candidates for Master's Degrees

Part II includes candidates for the Master's Degree who did not complete their requirements.

Henry Grady Adkins, Jr. ........................................... Civil Engineering
Charles William Crawford ....................................... Mechanical Engineering
William Otis Cullum, Jr. ........................................... Ceramic Engineering
John Lyman Dean ..................................................... Mechanical Engineering
Gene Wallace Dukes .................................................. Agricultural Economics
John Carlisle Ellers .................................................. Environmental Systems Engineering
Wanda Randall Ferrell .............................................. Physics
Mack James Fleming ................................................... Horticulture
Jerry Cornelius Ford III ............................................. Chemical Engineering
William Glenn Garrison ............................................. Master of Education
Alfred Arthur Graves ................................................ Plant Pathology
David Eugene Huff .................................................... Ceramic Engineering
Glenn Keith Jacobs ................................................... Mathematics
David Carroll Kenyon ................................................ Agricultural Engineering
Michael Dalrymple King .......................................... English
Francis Asbury Lawton, Jr. ........................................ Forestry
Gaines Howard Liner ................................................. Agricultural Economics
James Roy Martin III ............................................... Master of Education
Robert Bernard Moorehead, Jr. .................................... Zoology
Thomas Roch Nasser III ............................................. Chemistry
Lois Young Norwood ................................................ English
David Albert Ott ...................................................... Mathematics
Mary Crystal Parks Pitts' .......................................... Plant Physiology
Francis Russell Richards ......................................... Mathematics
Michael William Riley ............................................... Physics
William Augustus Ward ............................................ Agricultural Economics

III. Candidates for Bachelor's Degrees

First we have listed those who are deficient in total credits. Please note the deficiency in total credits as indicated after the abbreviation of the student's major course.

The second group includes the candidates who are deficient in a required subject.

The third group includes the candidates who are deficient in quality requirements.
A list of the honor graduates with their final cumulative grade-point ratios is also included.

**Deficient in Total Credits**
*(Including any other deficiencies)*

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<td>GPR 1.86 - Lacks 5 grade points of having 1.9 GPR.</td>
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<td>Was taking this work elsewhere. Transcript not received.</td>
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**Deficient in Required Subject**
*(Including any other deficiencies)*

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<tr>
<th>Name</th>
<th>Course</th>
<th>Credits</th>
<th>Grade</th>
<th>Comments</th>
<th>Requirements</th>
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<tr>
<td>Bannister, Georgia L. T.</td>
<td>Ch 324</td>
<td>3</td>
<td>F</td>
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<td>MedT (Has 4 extra credits)</td>
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<tr>
<td>Bull, William H.</td>
<td>Engl 203</td>
<td>3</td>
<td></td>
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<td>AgEd (Has required number of credits)</td>
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<tr>
<td>Smith, Charles T.</td>
<td>Arch 592</td>
<td>11</td>
<td>I</td>
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**Deficient in Quality Requirements**
*(Including any other deficiencies)*

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<th>Grade</th>
<th>Comments</th>
<th>Requirements</th>
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<tr>
<td>Bishop, Michael B.</td>
<td></td>
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<td>EE (Has 12 extra credits)</td>
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<td>GPR 1.88 - Lacks 3 grade points of having 1.9 GPR.</td>
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<tr>
<td>Cole, Charles M.</td>
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<td>IM (Has required number of credits)</td>
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<td>GPR 1.89 - Lacks 1 grade point of having 1.9 GPR.</td>
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<tr>
<td>Cork, Travis C. III</td>
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<td></td>
<td>For (Has 10 extra credits)</td>
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<td>GPR 1.87 - Lacks 4 grade points of having 1.9 GPR.</td>
</tr>
<tr>
<td>Name</td>
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<td>Major Course</td>
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<tr>
<td>Shirley Holland Biggs</td>
<td>3.87</td>
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<tr>
<td>Donald Winburn Shelley</td>
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<tr>
<td>James Jerome Rohrbach, Jr.</td>
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<tr>
<td>George William Benedict</td>
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<tr>
<td>James Thomas Haasy</td>
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<tr>
<td>Humphord Holland Kendall, Jr.</td>
<td>3.27</td>
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<tr>
<td>Mary Bell Trout</td>
<td>3.09</td>
<td>CE</td>
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Final Cumulative Grade point Ratios of Honor Graduates
With Highest Honor *** 3.80 and above

<table>
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<tr>
<th>Name</th>
<th>G.P.R.</th>
<th>Major Course</th>
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<tr>
<td>Shirlely Holland Biggs</td>
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<td>A&amp;S</td>
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<tr>
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<td>EE</td>
</tr>
<tr>
<td>Mary Bell Trout</td>
<td>3.09</td>
<td>CE</td>
</tr>
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MINUTES OF THE GENERAL FACULTY AND STAFF MEETING
August 18, 1967

The Annual fall meeting of the faculty and staff of Clemson University was held at 10:30 AM on August 18, 1967 in the auditorium of Brackett Hall, President R. C. Edwards Presiding.

President Edwards presented the following officers of the University so that they might introduce the new members of the faculty and staff (a list of these is attached to the minutes): Dr. Victor Hurst, Vice President for Academic Affairs and Dean of the University; Mr. Melford A. Wilson, Vice President for Business and Finance and Comptroller; Dean Walter T. Cox, Vice President for Student Affairs and Dean of Students; Mr. W. Wright Bryan, Vice President for Development.

President Edwards commented that Clemson was matriculating almost 2,100 new students of whom 1,800 would be on the main campus. He pointed out that these new students were better prepared and possess higher qualifications than any entering class in the history of the institution. He pointed out that the graduate school was also growing in size and in the quality of the incoming students.

President Edwards then discussed a number of topics, among them the following: the extensive building program, and the inconveniences caused by this; new program in nursing and the cooperative graduate program with the wild life resources department; a safety code for the University, and a number of miscellaneous items.

continued...
President Edwards extended an invitation to all new faculty, staff and townspeople to a reception at his home between the hours of 8 and 9:30 PM on August 24, 1967.

The meeting was adjourned at 11:45 AM.

Respectfully submitted:

Henry E. Vosel, Secretary
of the Faculty
Those members of the faculty and staff who joined the University during the period, August 17, 1966 - August 16, 1967:

Allen, Johnny L., Editor, News Bureau; Office of Development; Married, one child
112 Barre Street

Anthony, Ann Lee, Assistant Radio-Television Editor; B.S., Winthrop; Single;
P.O. Box 186, Seneca

Armott, James DeLos, Jr., Instructor in Biology at Clemson University in Sumter;
B.S., M.S., University of South Carolina; Married, one child

Arfield, John R., Assistant Professor of Economics; B.B.A., M.B.A., University of Georgia; Single

Barker, Robert H., Associate Professor of Textile Chemistry & Chemistry; Ph.D., University of North Carolina; Married, three children; 111 Carolina Drive

Barrer, Martin James, Instructor in Entomology & Zoology; M.S., N. C. State; Married

Bass, Thomas S., Assistant Coach, Athletic Department; A.B., Marysville College;
M.Ed., University of Tennessee; Married

Baxter, Mrs. Ann W., Assistant Professor in Botany & Bacteriology; Ph.D., Univ. of North Carolina

Bennett, George, Alumni Field Representative; Married

Berry, Terry G., Assistant Professor of Military Science; Captain, Quartermaster Corps, United States Army; B.S., Florence State College; Married; 304 East 2nd Avenue, Easley

Beyerlein, Adolph Louis, Assistant Professor of Chemistry; B.S., Fort Hays Kansas State College; Ph.D., University of Kansas; Single; Apartment 10, Lakewood Terrace

Binsse, Marie Irene, Instructor in Speech; B.A., Marietta College; M.A., University of Illinois; Single

Birtman, Kenneth David, Instructor in Sociology; B.A., Northwestern State College;
M.A., Stephen F. Austin State College; Single

Bose, Anil Kumar, Assistant Professor of Mathematics; B.S., M.S., Calcutta Univ;
Ph.D., University of North Carolina; Married

Bouknight, Judith Adell, Instructor in Nursing; B.S., Newberry College; Single;
1202 South Main Street, Anderson

Britt, Ronald J., Assistant Professor of Military Science; Captain, Corps of Engineers, United States Army; B.S., Kansas State University; Married; 207 Skyview Drive

Bryant, Hallman Bell, Assistant Professor of English; B.A., Emory University; M.A., University of North Carolina; Ph.D., Vanderbilt University; Married; 414 Pendleton Road

61
BRENNAY, Henry Robert III, Associate Professor of Environmental Systems Engineering; B.Ch.E., M.S., Cornell University; Ph.D., Syracuse University; Married, three children

Burden, Charles A., Assistant Professor of Industrial Management; B.S., Clemson University; M.B.A., Georgia State College; Married, one child

Cameron, Joseph Price, Assistant Professor of Mathematics at Clemson University in Sumter; B.S., The Citadel; M.S., University of Georgia; Married

Campbell, William Howard, Assistant in Visual Aids; A.B., University of South Carolina; Single

Card, Edith B., Instructor of Music Education; A.B., Furman University; M.M.E., Florida State University; Married; 112 Daniel Avenue, Seneca

Carpenter, Earl T., Director, Research Coordinating Unit and Visiting Associate Professor of Vocational Education; B.S., M.Ed., and Ed.D., University of Missouri; Married; 22A Barre Street

Carpenter, Kenneth Edson, Assistant Professor of Architecture; B.Arch., University of Oklahoma; M.Arch., University of Minnesota; Married, two children

Clark, Howard G. III, Associate Professor of Textile Chemistry; A.B., Samford Univ., Birmingham; M.S., University of Notre Dame; Ph.D., University of Maryland; Married, three children; 119 Mountain View Lane

Cosens, Earl T., Chief Engineer, Communications Center; Married; 707 Whitehall Road, Anderson

Day, Frank L., Assistant Professor of English, Clemson University at Greenville; B.S., Goorham State College; M.A., University of Tennessee; Married, two children; #5 Cyrus Court, Greenville

Dillman, Buddy L., Assistant Professor of Agricultural Economics; B.S.A., M.S., University of Arkansas; Ph.D., N.C. State; Married, two children; 217 Lark Circle

Douglass, Thomas E., Assistant Professor of English & Modern Languages; B.A., M.A., & Ph.D., University of Arkansas; Single

Dowdle, Marion W., Assistant Professor of Military Science; Captain, Armor, United States Army; B.A., Presbyterian College; Married

Doyle, John Joseph III, Instructor in English, Clemson University at Sumter; B.A., Regis College; M.A., Louisiana State University; Single

Durham, Harry, Director, University Communications Center; Married; 102 Pressley St.

Elling, Rudolph F., Assistant Professor of Civil Engineering; B.S., Michigan State; M.S., University of Illinois; Ph.D., Stanford University; Single

Ericksen, Arthur R., Assistant Professor of Military Science; Captain, Signal Corps, United States Army; B.S., Auburn University; Single

Eude, Josette Andree, Visiting Instructor in French; Licence, Diploma, and Certificate, University of Paris; Single

62
Ferrall, Wanda R., Instructor in Physics, Clemson University at Greenville TEC; L.A., Bridgewater College; M.S., Clemson University; Married; 104 Freedom Drive

Fletcher, Charles E., Instructor in Industrial Management, Clemson University at Sumter; B.S., University of Alabama; M.S., New Mexico Highlands University; Single

Fredland, Richard Alan, Instructor in Political Science; A.B., Wofford College; L.A., American University; Married

Frezee, Chester R., Associate Professor of Education; B.S., Marion College; M.Ed., University of South Dakota; Ed.D., University of Alabama; Married; Woodway Drive, Central

Frye, Revis M., Assistant Professor of Recreation and Park Administration; B.S., Western Carolina University; M.A., Columbia University; Married

Fulton, John David, Assistant Professor of Mathematics; B.S., M.S., & Ph.D., N.C. State; Married

Ganm, Virginia Lynn, Instructor in English; B.A., M.A., University of North Carolina; Single

Gilliland, Bobby Eugene, Assistant Professor of Electrical Engineering; B.S., Louisiana Polytechnic Institute; M.S., Ph.D., University of Arkansas; Married, one child

Graham, Margaret Schweitzer, Instructor in German; B.S., Pennsylvania State University; M.Ed., Temple University; Married

Graham, W. Doyce, Assistant Professor in Agronomy & Soils; Ph.D., Purdue University; Married, one child

Greene, James Albert, Instructor in Sociology, Clemson University at Sumter; B.A., Wake Forest; M.S.S.W., University of Tennessee School of Social Work; Married, one child; 132 Engleside, Sumter

Greer, Thomas N., Producer-Director, Communications Center; Married

Grubb, Charles Alan, Instructor in History; B.A., Washington and Lee University; M.A., Columbia University; Single; 3-D North Palmetto Blvd.

Guide, Vincent D.R., Assistant Professor of Military Science; Lieutenant Colonel, Infantry, United States Army; Married; 236 Maple Boulevard

Gunter, Thomas H., Assistant Professor, School of Industrial Management & Textile Science; B.S., Georgia Tech; M.A., Georgia State College; Married, two children; Clemson Heights - East Lewis Road - Box 528

Hahn, Marshall F., Assistant Professor of Industrial Education; A.B., M.S., Nebraska State College; Married; Freedom Drive

Hall, James Wayne, Associate Professor of Chemical Engineering; B.S., Texas A & M; M.S. & Ph.D., University of Texas; Married, three children

Halimiwaner, Marion E., Assistant Professor of Military Science; Major, Artillery, United States Army; B.S., The Citadel; Married
Hannah, Howard Barry, Assistant Professor of English; B.A., Mississippi College; M.A., also M.F.A., University of Arkansas; Married, one child; 6-D Daniel Drive

Harrison, Eugene (III), Draper Professor of Mechanical Engineering; B.S., M.S., Texas A & M; Ph.D., Michigan State University; Married, four children; Six Mile

Haselton, George Montgomery, Assistant Professor of Geology; B.A., Colby College; M.A., Boston University; Ph.D., Ohio State University; Married; Lake View Drive

Hite, James Cleveland, Assistant Professor of Agricultural Economics; B.S., Clemson University; M.A., Emory University; Ph.D., Clemson University; Single; Edgewood Arms Apartments

Houser, Raymond D., Instructor in Chemistry, Clemson University at Sumter; B.S., Kansas State College; M.S., Colorado School of Mines; Single

Howard, Frank James, Jr., Research Assistant, Crop Pest; B.S., M.S., Clemson University; Single

Howard, Gordon E., Assistant Professor of Recreation and Park Administration; A.B., M.A., University of North Carolina; Ph.D., University of Michigan; Married; 304 Meredith Street, Central

Hutchinson, John Paul, Instructor in Sociology; B.A., Baylor University; M.A., Stephen F. Austin State College; Single; #3 Glendell Apartments, College Heights Boulevard

Ibrahim, Iris Brann, Instructor in Mathematics, Clemson University at Greenville TEC; B.S., Southeastern Louisiana College; M.S., Clemson University; Married; Route 2, Enchanted Hills, Seneca

Johnston, Walter Edward, Assistant Professor, Experimental Statistics; B.S., M.S., Texas A & M; Married, two children; 202 Skyview Drive

Joiner, Charles Lee, Part-time Lecturer, Department of Economics; A.B., Central Wesleyan College; M.A., University of Alabama; Married; Central Wesleyan College, Central

Jordan, Wright S., Assistant Professor of Horticulture; B.S.A., M.S., University of Georgia; Ph.D., Penn State University; Married, one child; Holden Drive

Kapelis, Zigurts, Assistant Professor, School of Architecture; B.Arch, University of Melbourne; M.Arch., University of Michigan; Married, two children

Keith, Marvin O., Assistant Professor of Recreation and Park Administration; B.S., N. C. State University; M.S., University of North Carolina; Married; 224 North Clemson Avenue

Kingman, James Elmore, Assistant Television and Radio Editor; A.B., Wofford College; Married

Konczyk, Ronald James, Engineering Assistant; B.S.E.E., University of Illinois; Single; P.O. Box 1373, Clemson

LaFleur, Kermit Stillman, Associate Professor, Agronomy & Soils; Ph.D., Clemson University; Married; 605 Hillcrest Drive

Laithwaite, Peter R.P., Instructor in Industrial Management; M.B.A., University of Georgia; Single
LaTorre, Donald Rutledge, Assistant Professor of Mathematics; B.A., Wofford College; M.A., Ph.D., University of Tennessee; Married

LaTorre, Jeuel Gillam, Instructor in Mathematics; A.B., Coker College; M.A., Univ. of Tennessee; Married

Leemhuis, Roger Phillip, Assistant Professor of History; A.B., Villanova University; M.A., University of Massachusetts; Single; 9-B Daniel Drive

Lyon, Kenneth S., Assistant Professor of Military Science; Captain, Infantry, United States Army; B.S., Kansas State University; Married; 17 Kel-Car Acres, Central

Macy, Jacques Berr, Instructor in French; A.B., M.A.T., University of North Carolina; Married

Maharrey, James B., Assistant Professor of Military Science; Captain, Armor, United States Army; B.S., Auburn University; Married

Mann, John C., Alumni Editor, Office of Development; Box 247 HI, R-2, Central; Married, three children

Mann, Marion E., Assistant Professor of Military Science; Captain, Infantry, United States Army; B.S., North Georgia College; Married

Martin, Owen Mitchell, Assistant Professor of Military Science; Captain, Infantry, United States Army; B.S., Clemson University; Married

McGregor, Rob Roy, Jr., Assistant Professor of French at Clemson University at Greenville TEC; B.A., Erskine College; B.D., Columbia Theological Seminary; M.A., University of South Carolina; Married, one child; Route 7, Box 46, Anderson

McCracken, Alden L., Senior Accountant, Accounting Division; B.S., Western Carolina University; Married; Pendleton

McLellon, Waldron M., Associate Professor of Agricultural Engineering; B.S., U.S. Naval Academy; B.C.E., M.C.E., Rensselaer Polytechnic Institute; M.S. in Physics, Ohio State University; M.S., Ph.D., Rensselaer Polytechnic Institute; Married; Cherokee Gardens, Route 2, Seneca

Murray, Bobby K., Assistant Professor of Aerospace Studies; Major, United States Air Force; B.A., Sacramento State College; M.B.A., George Washington University; Married; Cherokee Gardens, Route 2, Seneca

Newman, Ray D., Assistant Professor of Military Science; Captain, Infantry, United States Army; B.S., Northeast Louisiana State College; Married

O’Reilly, Michael Francis, Assistant Professor of Mathematics; B.S., Queens University; Ph.D., University of Manchester; Single

Osteen, William, Communications Center; Married; 2503 E. North Avenue, Anderson

Owen, William Burrage, Assistant Professor of Mathematics; B.S., M.S., & Ph.D., Colorado State University; Married; 27-A Martin Street

Packard, Gary Claire, Assistant Professor of Entomology and Zoology; Ph.D., University of Kansas; Single
Earle, Edna, Assistant Professor of Vocational Education; B.S., M.S., Randolph College; Single; 109 Industrial Engineering Building

Earle, Charles D., Assistant Professor of Aerospace Studies; Major, United States Air Force; B.S., Clemson University; Married; Rock Creek Road

Earle, Thomas H., Assistant Professor of Education; B.A.E., University of Florida; Ed., Ed.D., University of Virginia; Married; 106 Gregory Street

Earle, Leonard Thomas, Instructor in Spanish; A.B., John Carroll University; Married

Johnson, Jim D., Assistant Professor of Military Science; Major, Artillery, United States Army; B.S., Clemson University; Single

Salliff, Nancy Ann, Instructor in History; B.A., M.A., Texas University; Single

Smith, Chatham Hurst, Instructor in French; B.A., Centenary College; M.A., Duke University; Single

Smith, James T., Accountant, Accounting Division; B.S., Clemson University; Married; Liberty

Smith, James Harold, Assistant Extension Communications Editor; B.S., University of South Carolina; Married; 800 East 2nd Avenue, Easley

Smith, Charles Bradley, Assistant Professor of Mathematics; B.A., University of the South; M.S., Ph.D., Florida State; Single

Savitsky, Ludmila Alexander, Lecturer in Russian; A.A., University of Florida; Married; 207 Brook Street

Schreiber, Marjorie, Instructor in Art & Architectural History; B.A., Wellesley College; B.D., Yale University Divinity School; Single

Sellers, James R., Instructor of Recreation and Park Administration; B.S., M.Ed., & C. State University; Married; 2-H Robin Hill Apartments

Shepherd, William M., Assistant Professor of Military Science; Captain, Corps of Engineers, United States Army; B.S., Virginia Polytechnic Institute; Married; 102 Allee Street

Sherrill, Max Douglas, Associate Professor of Physics; B.S., Ph.D., University of North Carolina; Married; 326 Woodland Way

Skelton, Lynda W., Instructor in History, Clemson University at Greenville TEC; B.A., Wesleyan College; M.A., Clemson University; Married; Berkeley Drive

Small, Sandra E., Instructor in History, Clemson University at Sumter; B.A., Chatham College; M.A., Duke University; Single

Smith, Carolyn Dunlap; Instructor in Vocational Education; B.F.A., University of Texas; Married; 124 Jersey Lane

Smith, Leonidas C. III, Instructor in English, Clemson University at Greenville TEC; A.B., University of North Carolina; M.A., Clemson University; Married; 7-B Daniel Drive
Barnley, J. A., Jr., Assistant Plant Engineer, Physical Plant Division; B.S., Clemson University; Married; 3 Oakhaven Apartments

Berry, Amos M., Supervisor of Work Order Planning, Physical Plant Division; B.E., Clemson University; Married; Route 2, Starr

Brooking, Margo M., Instructor in Economics; B.A., Texas Christian; M.A., University of Texas; Single

Forsythe, Charles F., Assistant Professor of Military Science; Lieutenant Colonel, Infantry, United States Army; B.S., Clemson University; Married; 127 Mountain View Ln.

Pewell, Robert Daniel, Instructor in Psychology; B.S., Clemson University; M.D.D., Southeastern Theological Seminary; M.A., Furman University; Married; 207 Pine St.

Fent, Buford E., Director of the Y.M.C.A.; A.B. Wofford College; M.Ed., Springfield College; Married

Floyd, Elmer N., Head of Aerospace Studies; Professor of Aerospace Studies; Colonel, United States Air Force; B.A., Sacramento State College; M.B.A., George Washington University; Married

Farber, William T. III, Instructor in History, Clemson University at Sumter; B.A., L.Salle College; M.A., Villanova University; Married

Wallace, F. Lance, Instructor in Biology, Clemson University at Greenville TEC; 100 Calhoun Street, Clemson

Whitehead, Marvin E., Instructor in Economics; B.S.B.A., M.B.A., University of Arkansas; Single

Wilson, William L., Assistant Professor of Aerospace Studies; Captain, United States Air Force; B.S., University of South Carolina; Married; 214 Wren Street

Gright, James A., Assistant Professor, Agronomy & Soils; Ph.D., Iowa State University; Married, two children

Yates, William Leo, Extension Family Life Specialist; B.S., University of Illinois; B.B.A., Texas A & M; M.S., University of Kansas; Married

Helinski, Paul Bernard, Assistant Professor of Engineering Mechanics; B.S.C.E., Marquette University; M.S., Ph.D., University of Wisconsin; Married, four children

Yates, O. Lawrence, Instructor in Psychology at Clemson University in Sumter; B.S., M.A., University of South Carolina; Single; 34 Adams Avenue, Sumter
Adams, Porter H., Jr., Instructor in Economics, Clemson University at Sumter; B.A., Clemson University; M.A., University of South Carolina; Single; 1340 Shady Lane, Columbia

Dunipace, Ann Jones, Part-time Lecturer, Pharmacology, Department of Entomology and Zoology. B.S., Vassar; Ph.D., Harvard University; Married; 123 Freedom Drive

Nash, Richard Fuller, Instructor, Entomology and Zoology; M.S., Auburn; Married; 102 Riding Road

Roberts, Beverley Drake, Instructor in Nursing; R.N., Memorial Hospital, Pawtucket, Rhode Island; B.S., Furman University; Married; P.O. Box 57, Carlisle

Woodruff, J. R., Assistant Professor, Agronomy & Soils; B.S., M.S., North Carolina State; Married, three children; 203 Manley Drive
The Academic Faculty met on December 15, 1967, at 3:00 p.m. in Brackett Hall Auditorium. Dr. Victor Hurst, Dean of the University, presided.

The major items of business were consideration of candidates for graduation, a report from the Faculty Senate, and brief remarks by President Edwards.

A motion was presented by Dr. James N. Thurston, President of the Faculty Senate, that the faculty approve for undergraduate degrees all the candidates included on the printed list, excepting those on the deletion list prepared by the Office of Admissions and Registration. The motion was passed. A similar motion was made by Dr. F. I. Brownley, Dean of the Graduate School, on behalf of candidates for graduate degrees and it also was approved.

A brief report on the activities of the Faculty Senate was made by its president, Dr. James N. Thurston. Dr. Thurston expressed appreciation for the work and cooperation of the Senate's committees and recommended to the faculty the program of recreation proposed by the YMCA with the Senate's encouragement and described in pamphlets circulated before the meeting. He reported that space for a faculty club is to be provided in the new Student Union Building and that a committee will be appointed to make recommendations concerning it. He then reviewed some of the work of the Senate in recent months. It endorsed the recommendation from the Committee on Undergraduate Teaching for faculty evaluation, he said; it also recommended the participation of faculty in the selection of academic administrators and the drafting of standard procedures for their participation. It is studying the questions of Saturday classes in particular and of scheduling in general. And it has recognized the need for studying the requirements for senior status. He closed his report with a request for ideas and suggestions from the faculty.

Immediately following Dr. Thurston's report, Dean Hurst emphasized that the new Union Building would be a University Union, not just a Student Union and requested the faculty's ideas concerning its use.

President R. C. Edwards expressed his appreciation to the faculty for the completion of a successful semester. He also expressed cautious optimism that revenue would be available to continue Clemson's expansion program.

Dean Hurst announced that commissioning exercises would be conducted at 11:00 a.m. on Saturday morning in Tillman Hall Auditorium and that graduation exercises would begin at 3:00 p.m. with Dr. Joseph Wightman, President of Erskine College, speaking.

The meeting was adjourned at 3:19 p.m.
# Preliminary List

**December 16, 1967**

(Compiled November 17, 1967)

## Candidates for Bachelor's Degrees

### College of Agriculture and Biological Sciences

#### Bachelor of Science Degree

##### Agricultural Economics
- Harry Gresham Barker ........................................ Conway
- Holmes Parker Bishop ..................................... Union
- James Vernon Elliott ....................................... Columbus
- David Ethem Evans, Jr. .................................. St. George
- Carlos Julio Garcia ........................................ Caracas, Venezuela
- Hugh Lovell Huggins ..................................... Hemingway
- John Arthur Leichlebt .................................. Rock Hill

##### Animal Science
- Ronald Bruce Beaton ...................................... Sumter
- William Judith Hendrix .................................. Duncan
- Deryl Crawford Keese ..................................... Westminster
- Thomas David Todd .......................................... Aiken

##### Biology
- Whitford Carlyle Blakeley, Jr. ....................... Spartanburg
- Robert Gordon Custer ...........................................
- Eugeen P. Brooks Colquihour .................................. Clemson
- Joy Dye Har ....................................................
- George Carlyle Henley .................................. Cheraw
- Williams Eugene Jackson, Jr. ............................... Sumter
- Williams Francis Kreis III ................................. Pickens, Miss.
- * Archie Jefferson Lewis III ............................. McCormick

##### Dairy Science
- James Andrew Moss ............................................. Forest City, N. C.
- Bobby Lee Brown ............................................. Anderson
- James Hoke Hammond ........................................ Anderson
- Thomas David Todd ........................................... Aiken

##### Forestry
- Travis Coleman Cork III .................................... Clermont, Fla.
- Jeffrey Evan Cowles ........................................ Silver Spring, Md.
- George David Hunter, Jr. ................................. West Union
- Philip Arch Royce ............................................. Norwood, N. Y.

##### Horticulture
- Harry Butler Godfard, Jr. ................................ Rock Hill
- Donald Edward Galigherty ................................ Columba

##### Poultry Science
- * Archie Jefferson Lewis III ............................. McCormick
- David Michael Holtzook ....................................... Camden, N. C.

### School of Architecture

#### Bachelor of Architecture Degree

- Jose Rafael Coban ............................................. San Sebastian, Puerto Rico
- Lynn George Craig ........................................... Bethesda, Md.
- Peter Johnston Davenport .................................... Stratford, Conn.
- Harry Butler Godfard, Jr. ................................ Rock Hill
- Donald Edward Galigherty ................................ Columba
- Charles Thomas Smith ....................................... Greenville

### Bachelor of Building Construction

- Lloyd Graham Hooper ........................................ Gostonia, N. C.
- Thurst on Hayne McDaniel ................................... Aiken

### College of Arts and Sciences

#### Bachelor of Arts Degree

- * James Henderson Abrams, Jr. ......................... Whitley
- * Jane Henrietta Aimick .................................. Orangeburg
- Harry Beck Burchfi eld, Jr. ............................... Reddrville
- Honry Gibson Carter ........................................ Chaffanol, Tenn.
- ** Julie Durand Craig ....................................... Washington, D. C.
- John Benjamin Doster ........................................ Florence
- Benjamin Ethdson Drake ..................................... Laurens
- Thomas Wilson Duke, Jr. ................................ Bisholville
- Nina Horriet Dunhu ............................................ Columbia
- Edwin Alonzo Farsell III .................................... Sumter
- ** Peggy Green Foweler ..................................... Athens, Ga.
- Mary Sue Speer Gilbert .................................... Clemson
- Catherine Anne Goebel ........................................ Clemson
- Robert Melburn Guerret ..................................... Six Mile
- James Eldon Henderson ...................................... Elwood, Ill.
- Robert Barclay Knowles ................................... Silver Spring, Md.
- Linda Crawford Lombard ........................................
- James Edward Loughbridge ........................................
- Wise Rutledge McCracken, Jr. ........................ Columba
- Robert O'Bryan Matto ........................................ Chester
- Nancy Everett Poulton ........................................ Pittsburg, Pa.
- Julius Daniel Rampey ......................................... Pickens
- Gary Setler Renwick ......................................... Beaufort
- Wonda Jo Reynolds .............................................. Cem, Ga.
- Donald Lee Sain .............................................. Fort Mill
- Mened Harley Stewart ......................................... Pickens
- Jeffrey Parker Weaver ....................................... Jackson
- Edward Thornton White, Jr. ................................ Rock Hill
- Wilbert Ronald Williams .................................... Eoseburg
- James Henry Workman ........................................ Woodruff
BACHELOR OF SCIENCE DEGREE

Chemistry
George Michael Hughes ______ Orangeburg

Geology
Chandler Ellis _____________ Houston, Texas

Mathematics
James Harry Abercrombie ______ Charlotte, N. C.
Willie Thomas Evatt, Jr. ____________ Liberty
Juanita Koren Dyer Frick __________ Greenville
Emory Dale Haselden ___________ Charleston

Sherry Ann McKee __________ Greenwood
** Ande Susan Mitchell _______ Columbia
Charles William Probst II _______ Montoursville, Pa.
Carl Lee Zeis __________ Westfield, N. J.

Medical Technology
Georgia Lou Thompson Bannister ______ Anderson

Kaye Simonton Little ___________ Anderson

Physics
Carl Edward Libby _____________ Easley

Pre-Medicine
William Deal Anderson III ______ Myrtle Beach
Richard Leon Beauvais, Jr. _______ Cranston, R. I.
Richard Clifton Bell __________ Littleton, Colo.
Paul Douglas Fernandez _______ Englewood, N. J.
Lindsay Johnson Forrester III _______ Greenville

Donnie Ray King ____________ Seneca
Jay Randall Luncelord ______ Savannah, Ga.
Albert Roger Smarr ___________ Columbia
Richard Harold Wells _________ Anderson
Robert Samuel Wells, Jr. _______ Aiken

SCHOOL OF EDUCATION

BACHELOR OF ARTS DEGREE

Secondary Education
Ronnie Earl Bullock __________ Dillon
Louis Fowler Foy, Jr. __________ Mt. Pleasant
** Julia Melville Freit __________ Lakewood, N. J.

Jonas Neal Grissom, Jr. _______ Hendersonville, N. C.
Norma Jeanne Hairston __________ Greenville
Benjamin Levi Knighton, Jr. _______ Woodruff

BACHELOR OF SCIENCE DEGREE

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

George Franklin Baker _______ Clinton, Md.
Carroll Odell Baldwin _______ Hendersonville, N. C.
Dan Marvin Connelly __________ Hampton
George Elmore Gore, Jr. _______ Loris
James Frazier Love, Jr. _______ McConnells

William Otis Noffz, Jr. _______ Ninety Six
Jackie Rodgers Phillips ________ Pageland
David Wayne Rhodes __________ Woodruff
Floyd Thomas Rogers __________ Clyde, N. C.

Industrial Education
Jack David Belk __________ Pacolet
Charles Edward Carroll __________ Florence
Earl Hansford Grubbs __________ Barnwell
John Francis Harnett ___________ Charleston
William Charles Hawkins, Jr. ______ Columbia
Joseph Stephen Hunter ________ Clemson

Ronald Nelson Lacey __________ Ravenel
Paul Edward Lehotsky ___________ Clemson
George Arnold Phillips _______ Niagara Falls, N. Y.
Andrew Michael Ulmer __________ Walterboro
Oscar Napoleon Vick III _______ Georgetown

Science Teaching
Frank Gilmore Garren __________ Taylors
David Richard Hill ___________ Sumter
Andrew LaPlaca _______ Pompton Plains, N. J.

Everett Charles Thorsland _______ Teaneck, N. J.
Samuel Richard Vaughan _______ St. George
COLLEGE OF ENGINEERING

BACHELOR OF SCIENCE DEGREE

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

Hubert Emanuel Shuler, Jr. ... Holly Hill

CERAMIC ENGINEERING

James Luther Carpenter .............. Easley
John Godwin Federline .............. Greenville

CHEMICAL ENGINEERING

William Barkley Begg .............. Spartanburg
Nicholas Thomas Drake .............. Bennettsville

CIVIL ENGINEERING

John Ervin Anderson .............. Florence
Jerry Arthur Brandon .............. Union
Richard Charles Bryan .............. Irwindale, Pa.
James Richardson Deland, Jr. .............. Key West, Fla.
Charles Robert Gatch .............. Beaufort
Alex Henry Gay III .............. McGuire AFB, N. J.
Joe Adrian Glenn .............. Jenkinsville

EDUCATIONAL ENGINEERING

Michael Benjamin Bishop .............. Spartanburg
Kenneth John Brown, Jr. .............. Fairfax, Va.
Marshall Paul Childress .............. Salem
Joseph Terrell Cook .............. Greeleyville
Barry Thomas Davilli .............. Feeding Hills, Mass.
Charles Wrede Jager .............. Charleston
Harry Anthony Joyce, Jr. .............. Charleston
Donald Franklin Looney .............. Irmo

ELECTRICAL ENGINEERING

Deryl Edward Bullington .............. Franklin, N. C.
William Lee Clapper, Jr. .............. North Charleston
David Anderson Deem .............. Rosemont, Pa.
Asa Michael Gray .............. Greenville
Harlock Walter Harvey III .............. Hartsville
Robert Reid Henderson .............. Spartanburg
Ramson Jay Hicks .............. Florence
Larry Wayne Lee .............. Spartanburg

INDUSTRIAL ENGINEERING

John Quincy Adams III .............. Charleston
William Haynes Barnett .............. Campobello
Jefferson Albert Blanton .............. Gaffney
Roger Lee Deffenbaugh .............. Home Path
Clayburn Burney Drake .............. Anderson
Craig Reed Fallon .............. Little Silver, N. J.
Daniel Lawrence Ferguson .............. Charleston Heights
Richard Phillip Fletcher .............. McColl
William Alan George .............. Baltimore, Md.

MECHANICAL ENGINEERING

Ernest Wayne Gibbons .............. Cincinnati, Ohio
Charles Leroy Guest .............. Anderson
Mohamed Nihad Hanano .............. Aleppo, Syria
John Fletcher McBride III .............. Bennettsville
Joseph George Neuworth, Jr. .............. Greenville
Lonnie David Phifer III .............. Fort Mill
James David Redden .............. Hartsville
James Ennis Reeves, Jr. .............. Greenville
William Allen Richter .............. Charleston
Ronald Millard Wells .............. Darlington

SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

BACHELOR OF ARTS DEGREE

Arts and Sciences

Edward Allen Boyd .............. Spartanburg
Milton Delane Chasteen .............. Anderson
Neal William Edwards .............. Rock Hill
Peyton Bull Florence .............. Washington, D. C.
James Ralph Hill, Jr. .............. Columbia
Parris Michael Hughy .............. Piedmont
James Chappell Hurst, Jr. .............. Chesterfield
Robert McMillan Koger, Jr. .............. Charleston

Luis Ernesto Lopez .............. San Salvador, El Salvador
Gary Wingard McConnell .............. Greenville
Harry L. Moore, Jr. .............. Asheville, N. C.
Eston Lee Rodgers, Jr. .............. Greenville
James Clinton Roets .............. Jupiter, Fla.
Francis John Tolland III .............. Boynton Beach, Fla.
William Thomas Utter, Jr. .............. Columbia
James Ronald Vinson .............. Greenville
CANDIDATES FOR MASTERS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

MASTER OF SCIENCE DEGREE

Agricultural Economics
William Rufus Clayton Columbia
Gene Wallace Duke Winnabow
Gaines Howard Liner Ellendale, N.C.

Animal Science
Carlos Federico Lam, Jr. Panama City, Panama

Dairy Science
Alexander Joseph Kutches East Paterson, N.J.

Forestry
Francis Asbury Lawton, Jr. Greenville

Horticulture
Norman Jeff McFaddin, Jr. Sardina

Plant Pathology
James Frederick McCurry Sulphur

Plant Physiology
James Frederick McCurry Sulphur

Poultry Science
William John Burst West Caldwell, N.J.

Zoology
Diana Rue Runkle King Beltsville, Md.

COLLEGE OF ARTS AND SCIENCES

MASTER OF ARTS DEGREE

English
Lois Young Norwood Anderson

MASTER OF SCIENCE DEGREE

Chemistry
Thomas Rech Nossor III Fall River, Mass.

Mathematics
David Albert Ott Ponchatoula, La.

Physics
Vonita Randall Ferrell Crimora, Va.

Clarence Rufus Green Butler, Tenn.

William Tait Miles, Jr. Menno, N.C.

Royer Allen Muckenthaler Charleston
Robert Marion Muldrow, Jr. Bannisterville
John Hasigler Price Woodleaf, N.C.
James Ronald Rogers Burlington
John Peter Rosterman Jr. Bishopsdale
Horace Kenneth Sanders Jr. Myrtle Beach
Thomas Camden Shelton North Charleston
Clifford Eugene Singleton North Charleston
Sonny Carlton Smith Williamson
Melvin Lorraine Smith Hartsville
Richard Lee Smith Clemson
William Gerald Stevens Columbus
Ryan Smith Thrower North Charleston
James Elbert Turner Marion
Frederic Pirkmann Wurtzville II Westfield, N.J.
Bennett Clark Whitmire Marion
Robert Milton Willard Jr. Anderson
George Hills Woodland Jr. Milwaukee, Wis.

George William Boozer Walhalla
James King Maner Jr. Garnett
Philip Nelsen Colson Jr. Charleston
Carl Vaughan Schmidt Greenville
Kenneth Woodward Sheombes

James Frederick McCurry Sulphur

Mary Crystal Parks Pitts Stone Mountain, Ga.

William David McKee Cope

James Frederick McCurry Sulphur

James Frederick McCurry Sulphur

James Frederick McCurry Sulphur

Diana Rae Runkle King Beltsville, Md.

Nexta Ellen Wansley Washington, Ga.

Newberry

William Tait Miles, Jr. Menno, N.C.

Royer Allen Muckenthaler Charleston
Robert Marion Muldrow, Jr. Bannisterville
John Hasigler Price Woodleaf, N.C.
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John Peter Rosterman Jr. Bishopsdale
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Richard Lee Smith Clemson
William Gerald Stevens Columbus
Ryan Smith Thrower North Charleston
James Elbert Turner Marion
Frederic Pirkmann Wurtzville II Westfield, N.J.
Bennett Clark Whitmire Marion
Robert Milton Willard Jr. Anderson
George Hills Woodland Jr. Milwaukee, Wis.
SCHOOL OF EDUCATION

MASTER OF AGRICULTURAL EDUCATION DEGREE

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

Hugh Porter McClimon ------- Greer

Mary Alice Jackson Hayes ------- Anderson
Bobbie Ruth Leard ------- Westminster

SCHOOL OF EDUCATION

MASTER OF EDUCATION DEGREE

Mary Alice Jackson Hayes ------- Anderson
Bobbie Ruth Leard ------- Westminster

COLLEGE OF ENGINEERING

MASTER OF SCIENCE DEGREE

Agricultural Engineering

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

David Carroll Kenyon ------- Windsor, Vt.

Ceramic Engineering

James Charles Frederic, Jr. ------- Columbia

Chemical Engineering

Robert Vincent Hendriks, Jr. ------- Georgetown
Frank Louis Lambert ------- Metairie, La.

Civil Engineering

Henry Grady Adkins, Jr. ------- Anderson
Byron Reed Bull, Jr. ------- Cameron
James Martin Davis ------- Greenville

Electrical Engineering

George Campion Rush ------- Baltimore, Md.

Environmental Systems Engineering


Mechanical Engineering

Charles William Crawford ------- Knoxville, Tenn.

SCHOOL OF INDUSTRIAL MANAGEMENT AND TEXTILE SCIENCE

MASTER OF SCIENCE DEGREE

Industrial Management

Robert Jack Lowell ------- North Charleston
Terry Edward Richardson ------- Barnwell
Benjamin Franklin Weeks III ------- Andrews, N. C.

Textile Chemistry

CANDIDATES FOR DOCTORS' DEGREES

COLLEGE OF AGRICULTURE AND BIOLOGICAL SCIENCES

DOCTOR OF PHILOSOPHY DEGREE

Agricultural Economics

Aaron Andrew Hutcheson .................................................. Clarksville, Tenn.
B.S., University of Florida; M.S., University of Florida
Dissertation: Socio-Economic Characteristics and the Demand for Fresh Peaches

Agronomy

James Raymond Woodruff .................................................. Newton Grove, N. C.
B.S., North Carolina State College; M.S., North Carolina State College
Dissertation: The Influence of Aurintricarboxylic Acid and Quercetin on the Availability of Phosphorus and Associated Cations in a Cecil Sandy Clay Loam

Entomology

John Francis Brown .......................................................... Fayetteville, Ark.
B.S., Clemson University; M.S., Clemson University
Dissertation: Systemic Insecticide for Control of the face fly, Musca autumnalis De Geer

COLLEGE OF ARTS AND SCIENCES

DOCTOR OF PHILOSOPHY DEGREE

Chemistry

James Victor Hartzog ....................................................... Reevesville
B.S., Clemson University
Dissertation: Surface and Electrical Properties of an Aromatic Polyamide

Earl Henry Wagener .......................................................... Clemson
B.S., Clemson University
Dissertation: Isomerization Rates of Iminocarbonates by Nuclear Magnetic Resonance

Chemical Physics

Peter Jawad Ashy ............................................................. Lattakia, Syria
B.S., University of Southwestern Louisiana; M.S., Clemson University
Dissertation: Mathematical Simulation for the Diffusion of Water Vapor and Deuterium Oxide Vapor in Polymers

Mathematics

Bobby Joseph Prochaska ...................................................... Lafayette, La.
B.S., University of Southwestern Louisiana; M.S., Colorado State University
Dissertation: On Random Normed Spaces

Physics

Bobby Earl Powell ............................................................ Moultrie, Ga.
B.S., Georgia Institute of Technology; M.S., Clemson University
Dissertation: Higher Order Isothermal Elastic Constants

COLLEGE OF ENGINEERING

DOCTOR OF PHILOSOPHY DEGREE

Engineering

Robert Ned Brannock ....................................................... Orlando, Fla.
B.S., Duke University; M.S., University of Missouri
Dissertation: Thermal and Mechanical Stresses in Thin Circular Sandwich Shells (Field of Specialization: Civil Engineering)

Joseph Lytle Campbell III .................................................. Spartanburg
B.S., Clemson University; M.S., Clemson University
Dissertation: The Behavior of a Fluid in Elastic Tubing Containing Wave Reflection Sights (Field of Specialization: Mechanical Engineering)

Lee Stephen Miller .......................................................... Asheville, N. C.
B.S., Indiana Institute of Technology
Dissertation: An Investigation of the Extension of Kalman Filtering to the Estimation of Stochastic Signals (Field of Specialization: Electrical Engineering)

Eugene Perritt Willimon, Jr. .................................................. Clemson
B.S., Clemson University; M.S., Clemson University
Dissertation: Application of Multi-State Reactor Systems to a Biological Waste Treatment Process (Field of Specialization: Bio-Engineering)
To the Educational Council:

The following list includes information concerning every candidate for the Doctor's Degree, the Master's Degree, and the Bachelor's Degree this December who has failed to complete one or more of the requirements for graduation.

I. Candidates for Doctor's Degrees

Aaron Andrew Hutcheson ........................................ Agricultural Economics
Eugene Perritt Willimon, Jr. ..................................... Bio-Engineering

II. Candidates for Master's Degrees

Part II includes candidates for the Master's Degree who did not complete their requirements.

Henry Grady Adkins, Jr. ........................................... Civil Engineering
James Robert Booth .................................................. Ceramic Engineering
William Rufus Clayton ........................................... Agricultural Economics
John Carlisle Ellers ................................................ Environmental Systems Engr.
William Wayne Ganter ........................................... Civil Engineering
Robert Vincent Hendriks, Jr. .................................. Chemical Engineering
Francis Asbury Lawton, Jr. ................................... Forestry
Gaines Howard Liner ............................................... Agricultural Economics
John David McKittrick ........................................... Agricultural Economics
James Frederick Moore, Jr. .................................... Plant Pathology
Thomas Roch Nasser III .......................................... Chemistry
Dennis Woodrow Newton, Jr. ................................ Zoology
Lois Young Norwood ................................................ English
Woodrow Greene Strock, Jr. ...................................... Forestry

III. Candidates for Bachelor's Degrees

First we have listed those who are deficient in total credits. Please note the deficiency in total credits as indicated after the abbreviation of the student's major course.

The second group includes the candidates who are deficient in a required subject.

The third group includes the candidates who are deficient in quality requirements.

A list of the honor graduates with their final cumulative grade-point ratios is also included.

Deficient in Total Credits
(Including any other deficiencies)

Boyd, E. A.
Acct 201 3 F Econ (Lacks 3 credits)
Required Elective
<table>
<thead>
<tr>
<th>Name</th>
<th>Course</th>
<th>Grade</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carpenter, J. L.</td>
<td>CrE 406</td>
<td>2</td>
<td>I</td>
</tr>
<tr>
<td>McLeod, J. L.</td>
<td>Math 106</td>
<td>1</td>
<td>I</td>
</tr>
<tr>
<td></td>
<td>GPR 1.91 - Lacks 15 grade points of having 1.9 GPR.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odom, P. N., Jr.</td>
<td>TM 407</td>
<td>3</td>
<td>F</td>
</tr>
<tr>
<td>Sain, D. L.</td>
<td>Hist 204</td>
<td>3</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>GPR 1.85 - Lacks 7 grade points of having 1.9 GPR.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smith, B. C.</td>
<td>IM 407</td>
<td>1</td>
<td>F</td>
</tr>
<tr>
<td>Wells, R. H.</td>
<td>Ch 224</td>
<td>3</td>
<td>F</td>
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<tr>
<td>Deficient in a Required Subject (Including any other deficiencies)</td>
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<tr>
<td>Anderson, W. D. III</td>
<td>Ch 224</td>
<td>3</td>
<td>F</td>
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<tr>
<td></td>
<td>Ch 228</td>
<td>1</td>
<td>I</td>
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<tr>
<td></td>
<td>GPR 1.84 - Lacks 10 grade points of having 1.9 GPR.</td>
<td></td>
<td></td>
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<tr>
<td>Bannister, G. L.</td>
<td>Ch 224</td>
<td>3</td>
<td>F</td>
</tr>
<tr>
<td>Gibbons, T. L., Jr.</td>
<td>CrE 406</td>
<td>2</td>
<td>I</td>
</tr>
<tr>
<td>McDaniel, T. H.</td>
<td>Ar Co 442</td>
<td>8</td>
<td>I</td>
</tr>
<tr>
<td></td>
<td>Engl 301</td>
<td>3</td>
<td>I</td>
</tr>
<tr>
<td>Rahim, M. Z.</td>
<td>Ed 301</td>
<td>3</td>
<td>I</td>
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<tr>
<td></td>
<td>EM 202</td>
<td>3</td>
<td>F</td>
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<tr>
<td></td>
<td>EM 304</td>
<td>3</td>
<td>F</td>
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<tr>
<td></td>
<td>IE 408</td>
<td>2</td>
<td>I</td>
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<tr>
<td></td>
<td>GPR 1.56 - Lacks 11 grade points of having 1.9 GPR.</td>
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<tr>
<td>Sutherland, C. T., Jr.</td>
<td>Ch 313</td>
<td>3</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>Ch 332</td>
<td>3</td>
<td>F</td>
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<tr>
<td></td>
<td>ME 311</td>
<td>3</td>
<td>F</td>
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<tr>
<td></td>
<td>GPR 1.67 - Lacks 16 grade points of having 1.9 GPR.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Williams, W. R.</td>
<td>Ch 402</td>
<td>3</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>Math 205</td>
<td>1</td>
<td>F</td>
</tr>
<tr>
<td></td>
<td>GPR 1.66 - Lacks 25 grade points of having 1.9 GPR.</td>
<td></td>
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</tr>
</tbody>
</table>

CrE (Lacks 1 credit) Required Subject
AgEc (Lacks 1 credit) Required Subject
TM (Lacks 1 credit) Required Subject
A&S-Engl (Lacks 3 credits) Required Subject
IM (Lacks 1 credit) Required Subject
Pre-Med (Lacks 3 credits) Required Subject
Pre-Med (Has 1 extra credit) Required Subject
MedT (Has 1 extra credits) Required Subject
CrE (Has 1 extra credit) Required Subject
BC (Has 2 extra credits) Required Subject
IE (Has 11 extra credits) Elective Subject
Pre-Med (Has 1 extra credit) Required Subject
TC (Has 12 extra credits) Required Subject
A&S-Ch (Has 6 extra credits) Required for hours in Major Required Subject
<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
<th>Extra Credits</th>
<th>GPR</th>
<th>Grade Points Required for 1.9 GPR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adams, J. C. III</td>
<td>Pre-Med</td>
<td>(Has 7 extra credits)</td>
<td>1.86</td>
<td>Lacks 8 grade points</td>
</tr>
<tr>
<td>Barnette, W. H.</td>
<td>Pre-Med</td>
<td>(Has 1 extra credit)</td>
<td>1.88</td>
<td>Lacks 3 grade points</td>
</tr>
<tr>
<td>Beauvais, R. L. Jr.</td>
<td>FPA 102</td>
<td>(Has 35 extra credits)</td>
<td>1.77</td>
<td>Lacks 28 grade points</td>
</tr>
<tr>
<td>Dozier, J. B.</td>
<td>Elective Subject</td>
<td>(Has 1 extra credit)</td>
<td>1.89</td>
<td>Lacks 2 grade points</td>
</tr>
<tr>
<td>Epps, D. E. Jr.</td>
<td>AgEc</td>
<td>(Has 10 extra credits)</td>
<td>1.78</td>
<td>Lacks 21 grade points</td>
</tr>
<tr>
<td>Fernandez, P. D.</td>
<td>A&amp;S-Engl</td>
<td>(Has 8 extra credits)</td>
<td>1.86</td>
<td>Lacks 6 grade points</td>
</tr>
<tr>
<td>Florence, P. B.</td>
<td>Econ</td>
<td>(Has 8 extra credits)</td>
<td>1.82</td>
<td>Lacks 12 grade points</td>
</tr>
<tr>
<td>Garcia, C. J.</td>
<td>AgEc</td>
<td>(Has 8 extra credits)</td>
<td>1.86</td>
<td>Lacks 6 grade points</td>
</tr>
<tr>
<td>Gatch, C. R.</td>
<td>CE</td>
<td>(Has 22 extra credits)</td>
<td>1.76</td>
<td>Lacks 26 grade points</td>
</tr>
<tr>
<td>Golightly, D. E.</td>
<td>Arch</td>
<td>(Has 22 extra credits)</td>
<td>1.88</td>
<td>Lacks 4 grade points</td>
</tr>
<tr>
<td>Guerreri, R. M.</td>
<td>A&amp;S-Engl</td>
<td>(Has 33 extra credits)</td>
<td>1.86</td>
<td>Lacks 6 grade points</td>
</tr>
<tr>
<td>Howard, W. T.</td>
<td>ChR</td>
<td>(Has 16 extra credits)</td>
<td>1.83</td>
<td>Lacks 12 grade points</td>
</tr>
<tr>
<td>Johnson, R. W.</td>
<td>IM</td>
<td>(Has 17 extra credits)</td>
<td>1.83</td>
<td>Lacks 14 grade points</td>
</tr>
<tr>
<td>Kalley, P. L.</td>
<td>IM</td>
<td>(Has required number of credits)</td>
<td>1.89</td>
<td>Lacks 1 grade point</td>
</tr>
<tr>
<td>Lunceford, J. R.</td>
<td>Pre-Med</td>
<td>(Has 12 extra credits)</td>
<td>1.81</td>
<td>Lacks 15 grade points</td>
</tr>
<tr>
<td>McConnell, G. W.</td>
<td>Econ</td>
<td>(Has 4 extra credits)</td>
<td>1.71</td>
<td>Lacks 29 grade points</td>
</tr>
<tr>
<td>Owens, D. H.</td>
<td>IE</td>
<td>(Has 36 extra credits)</td>
<td>1.81</td>
<td>Lacks 13 grade points</td>
</tr>
</tbody>
</table>
Phillips, J. R.  
GPR 1.89 - Lacks 1 grade point of having 1.9 GPR.  

Probst, C. W. II  
GPR 1.88 - Lacks 4 grade points of having 1.9 GPR.  

Scroggs, R. A.  
GPR 1.78 - Lacks 15 grade points of having 1.9 GPR.  

Tollon, F. J. III  
GPR 1.86 - Lacks 10 grade points of having 1.9 GPR.  

Valentine, T. S.  
GPR 1.88 - Lacks 3 grade points of having 1.9 GPR.  

Weaver, J. S.  
GPR 1.80 - Lacks 18 grade points of having 1.9 GPR.  

Wilder, R. M., Jr.  
GPR 1.88 - Lacks 4 grade points of having 1.9 GPR.
**Final Cumulative Grade Point Ratios of Honor Graduates**

**December 15, 1967**

**With Highest Honor *** 3.80 or above**

<table>
<thead>
<tr>
<th>Name</th>
<th>G.P.R.</th>
<th>Major Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freit, J. M.</td>
<td>3.80</td>
<td>SEd</td>
</tr>
<tr>
<td>Lambert, L. C.</td>
<td>3.91</td>
<td>A&amp;S-Hist</td>
</tr>
</tbody>
</table>

**With High Honor ** 3.50 - 3.79**

<table>
<thead>
<tr>
<th>Name</th>
<th>G.P.R.</th>
<th>Major Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amick, J. H.</td>
<td>3.50</td>
<td>A&amp;S-Math</td>
</tr>
<tr>
<td>Craig, J. D.</td>
<td>3.69</td>
<td>A&amp;S-Engl</td>
</tr>
<tr>
<td>Ely, P. J.</td>
<td>3.57</td>
<td>Biol-Zool</td>
</tr>
<tr>
<td>Fowler, P. G.</td>
<td>3.54</td>
<td>A&amp;S-Math</td>
</tr>
<tr>
<td>Mitchell, A. S.</td>
<td>3.53</td>
<td>Math</td>
</tr>
<tr>
<td>Murray, B. B.</td>
<td>3.60</td>
<td>Biol-Zool</td>
</tr>
<tr>
<td>Reynolds, W. J.</td>
<td></td>
<td>A&amp;S-Math</td>
</tr>
</tbody>
</table>

**With Honor * 3.00 - 3.49**

<table>
<thead>
<tr>
<th>Name</th>
<th>G.P.R.</th>
<th>Major Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abrams, J. H., Jr.</td>
<td>3.18</td>
<td>A&amp;S-Engl</td>
</tr>
<tr>
<td>DeLaddy, E. A., Jr.</td>
<td>3.03</td>
<td>IM</td>
</tr>
<tr>
<td>Gibert, M. S. S.</td>
<td>3.05</td>
<td>A&amp;S-Engl</td>
</tr>
<tr>
<td>Hughey, R. D.</td>
<td>3.09</td>
<td>IM</td>
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<tr>
<td>Kambhu, P. S.</td>
<td>3.12</td>
<td>A&amp;S-Engl</td>
</tr>
<tr>
<td>Lewis, A. J. III</td>
<td>3.32</td>
<td>Hort</td>
</tr>
<tr>
<td>Little, K. S.</td>
<td>3.04</td>
<td>MedT</td>
</tr>
<tr>
<td>Love, J. F., Jr.</td>
<td>3.06</td>
<td>AgEd</td>
</tr>
<tr>
<td>Neuwirth, J. G., Jr.</td>
<td>3.28</td>
<td>ME</td>
</tr>
<tr>
<td>Redden, J. D.</td>
<td>3.11</td>
<td>ME</td>
</tr>
<tr>
<td>Stanzione, D. C.</td>
<td></td>
<td>EE</td>
</tr>
</tbody>
</table>