The Board convened at 3:00 P. M. The following responded to the roll call:

Mr. J. E. Wannamaker, Chairman; Messrs. Sirrine, Bradley, Sanders, Sherard, Abell, Cooper, Speer and Barnett.

The Chairman read telegrams from Mr. Lever and Mr. Benet informing the Board of their inability to attend the meeting.

The Chairman stated that the minutes of the June meeting had been sent to each member of the Board for alterations and corrections and called for any such.

The Chairman stated that the Secretary had not had time to prepare the minutes of the called meeting of the Board held in Columbia on August 27, 1931, but that this would be done at an early date.

At the request of Mr. Bradley, the Board considered first those matters requiring a roll call vote of nine or more members. This was done in order that Mr. Sirrine might leave at five o'clock to fill an important business engagement.

Following this request, The President recommended as follows:

1. That Professors S. M. Martin be made recorder of Clemson College Corporation in place of E. G. Parker, resigned. The recorder receives a salary of $100.00 a year.

2. That Mr. Cody be paid $250.00 instead of $500.00 additional salary. The Athletic Council considered this matter and recommended that this amount be paid him, which is satisfactory to Mr. Cody.

After discussing the matter of releasing Mr. Cody of his liability as endorser on notes of the Athletic Association amounting to $300.00 as part compensation of his claim, it was

Motion Adopted on roll call vote of nine members present. All other motions will be honored.
Moved by Mr. Bradley: That the annuity be paid for last year provided Mr. Merck gives the College a written agreement releasing the College from all liability in connection with his illness.

Motion Adopted on roll call vote of nine members.

The status of the proposed new houses to be erected on the campus.

Mr. Bradley stated that the Committee had been unable to borrow necessary funds with which to build the houses.

Dr. Calhoun requests a $300.00 appropriation for payment of a new car for the Division of Education.

Moved by Mr. Bradley: That the request be disapproved.

Motion Adopted.

The President stated that consideration should be given the following matters:

- The need of $1,200.00 for the purchase of lead arsenate for the control of the Japanese Beetle near Charleston, South Carolina.
- Purchase and operation of Truck Experiment Station near Charleston, South Carolina.

No Action.

The President presented his report, and, on motion of Mr. Speer, the same was received as information.

The President then made the following recommendations:

That the following RESIGNATIONS be accepted:

**Arts and Science Department**

J. J. Mahoney, "Associate Professor of Physics"; Salary $3,000.00; Effective August 31, 1931.

Library

Mary Berry, "Second Assistant Librarian"; Salary $1,500.00; Effective August 31, 1931.

Clemson College Corporation

E. G. Parker, "Recorder for the Clemson College Corporation"; Salary $100.00; Effective September 1, 1931.

Moved by Mr. Bradley: That the RESIGNATIONS be accepted.

Motion Adopted.

That the following TRANSFERS be made:

J. C. Hendricks, "Assistant Professor of Physics" to "Associate Professor of Physics"; Salary $2,850.00; Effective September 1, 1931. (To succeed J. J. Mahoney, resigned.)

H. L. Hunter, "Assistant Professor of Chemistry" to "Acting Professor Textile Chemistry"; Salary $3,200.00; Effective September 1, 1931. (To succeed C. E. Mullin, on leave.)
W. C. Nettles, "Assistant in Entomology" to "Assistant Entomologist"; Salary $1,800.00; Effective July 1, 1931. (To succeed O. L. Cartwright.)

Elizabeth E. Parker, "Part-time Stenographer, Agricultural Department" to "Secretary to the President"; Salary $1,520.00; Effective October 1, 1931. (To succeed Virginia E. Shanklin, on leave.)

Moved by Mr. Bradley: That the TRANSFERS be approved.

Motion Adopted.

That the following LEAVES OF ABSENCE be granted:

Arts and Science Department

Henry Rankin, Jr., "Assistant Professor of English"; from September 1, 1931 to June 1, 1932. (Paying salary of T. W. Herbert who is taking his place.)

Textile Department

C. E. Mullin, "Professor/Chemistry, Dyeing and Finishing"; from September 1, 1931 to August 31, 1932; without pay.

Research Department

W. C. Nettles, "Assistant Entomologist"; from September 25, 1931 to January 1, 1932. (One month of this time to be vacation.)

President's Office

Miss Virginia E. Shanklin, "Secretary to the President"; from October 1, 1931 to June 1, or September 1, 1932.

Moved by Mr. Speer: That the LEAVES OF ABSENCE be approved.

Motion Adopted.

That the extension of the LEAVE OF ABSENCE of D. W. Watkins, "Assistant Director of Extension", leave extended from September 15, 1931 to June 1, 1932 be approved.

Moved by Mr. Bradley: That the extension be granted.

Motion Adopted.

That the following APPOINTMENTS be made:

Agricultural Department

L. W. Smith, "Acting Head of Poultry Husbandry Division"; Salary $1,900.00; Effective September 1, 1931. (Taking place of C. L. Morgan, on leave.)

Arts and Science Department

T. W. Herbert, "Assistant Professor of English"; Salary $1,400.00; Effective September 1, 1931. (Taking place of Henry Rankin, Jr., on leave, and paid by Mr. Rankin.)

L. D. Huff, "Assistant Professor of Physics"; Salary $2,375.00; Effective September 19, 1931. (To succeed J. C. Hendricks, transferred to "Associate Professor of Physics".)
Chemistry Department

E. R. Rushton, "Assistant Professor of Chemistry"; Salary $1,900.00; Effective September 1, 1931.
(To succeed H. L. Hunter, transferred.)

Library

Mrs. Madeline Dilworth Price, "Second Assistant Librarian"; Salary $1,235.00; Effective September 1, 1931. (To succeed Miss Mary Berry, resigned.)

Research Department

Miss Ada M. Moser, "Research Specialist in Home Economics"; Salary $2,600.00; Effective October 20, 1931. (To succeed Miss Mary E. Frayser.)

J. G. Watts, "Assistant in Entomology"; Salary $1,300.00; Effective July 1, 1931. (To succeed W. C. Nettles, transferred.)

Extension Division

L. O. Clayton, "Assistant County Agent - Sumter County"; Salary $2,100.00; Effective June 1, 1931. (To succeed J. B. O'Dell, resigned.)

E. H. Rawl, "Specialist in Charge, Horticultural Division"; Salary $3,500.00; Effective October 16, 1931. (To succeed R. A. Mc Ginty.)

Moved by Mr. Speer: That the APPOINTMENTS be approved.
Motion Adopted.

Mr. Bradley raised the question of the method of financing the Poultry Plant and other similar activities.

After full discussion, it was moved by Mr. Bradley: That the President take up with the Directors of these activities the matter of reducing the amount of Research and Experimental Work now being done and stress the commercial features and show that these activities can be run at a profit.

Motion Adopted.

The President presented a letter from Director Barre listing the acreage of the different crops to be planted on the farm for the ensuing year, namely:

- Oats - 98 acres; corn - 168 acres; oats and vetch - 105 acres; cotton - 24 acres; rye for seed - 9 acres; alfalfa - 22 acres; summer legumes - 174 acres.

In his letter, Director Barre mentioned the reduction in the cotton acreage and the plan to plant cotton only for experimental purposes. Director Barre's letter contained an estimate of the amount of grain silage and hay needed for the live stock at the College - and that it was the plan of the Farm to produce as much of this on the lands available for this purpose.

The President also read a letter from Dr. Long con-
cerning the Extension Division. Dr. Long stated in this letter that the inability to secure necessary funds to erect houses for members of the Extension Service was greatly disappointing.

Mr. Bradley stated that due to the financial condition, the Committee had been unable to borrow necessary funds with which to build the houses referred to in Mr. Long's letter.

Mr. Bradley further stated that the Extension work was being criticized in certain counties, and warned the Board of the possibility of adverse legislation on appropriations for this work.

The President presented the following statement prepared by Mr. G. H. Aull, of the Research Department, dealing with the cost of State Appropriations to the Tax-Payers of South Carolina:

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>TOTAL ASSESSED VALUE OF PROPERTY</td>
<td>$426,000,000</td>
</tr>
<tr>
<td>ASSESSMENT RAILROAD, CITY, ETC. PROPERTY</td>
<td>236,000,000</td>
</tr>
<tr>
<td>BALANCE - FARM AND UNCLASSIFIED PROPERTY</td>
<td>$190,000,000</td>
</tr>
<tr>
<td>AGGREGATE TAXES ON ALL PROPERTY</td>
<td>$22,500,000</td>
</tr>
<tr>
<td>AGGREGATE TAXES ON FARM AND UNCLASSIFIED PROPERTY</td>
<td>9,300,000</td>
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CERTAIN 1931 AGRICULTURAL SIX STATE CLEMSON SMITH-SMITH-APPROPRIATIONS:

- RES. COLLEGES COLLEGE LEVER HUGHES
- $75,000 $1,336,000 $190,000 $243,441.40 $137,182.62

THESE APPROPRIATIONS REPRESENT:

FOR EACH $100.00

<table>
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<tr>
<th>ASSESSED VALUE OF ALL PROPERTY</th>
<th>$0.017</th>
<th>$0.31</th>
<th>$0.04</th>
<th>$0.06</th>
<th>$0.03</th>
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<tbody>
<tr>
<td>THE SHARE OF FARM AND UNCLASSIFIED PROPERTY IN THIS ASSESSMENT</td>
<td>0.007</td>
<td>0.14</td>
<td>0.02</td>
<td>0.03</td>
<td>0.01</td>
</tr>
<tr>
<td>FOR EACH $100.00</td>
<td>TAXES PAID ON ALL PROPERTY</td>
<td>0.063</td>
<td>1.13</td>
<td>0.21</td>
<td>0.27</td>
</tr>
<tr>
<td>OF THIS FARM AND UNCLASSIFIED PROPERTY PAYS</td>
<td>0.036</td>
<td>0.64</td>
<td>0.09</td>
<td>0.12</td>
<td>0.07</td>
</tr>
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</table>

INDUSTRY SPENDS FOR RESEARCH $1.30 FOR EACH $100.00 CAPITAL INVESTED

Moved by Mr. Sherard: That this matter be received as information and that the President of the College send copy of same to Legislative Committees.

Motion Adopted.
1931-'32 that were not anticipated in the budget presented to the Board at the June meeting.

The Board informally discussed the plan of having the entire tax on cotton seed meal diverted to the College.

The President requested that his recommendation on the appointment of J. H. Woodward as his assistant, which had been deferred until this meeting, be now acted upon by the Board.

After discussion, it was

Moved by Mr. Barnett: That the appointment of Mr. Woodward be approved with the understanding that Mr. Woodward take up his duties at the pleasure of the President of the College.

Motion Adopted on roll call vote.

The President brought to the attention of the Board a letter from a Clemson Graduate in regard to awarding Honorary Degrees.

Moved by Mr. Barnett: That this matter be referred to the Faculty for a report.

Motion Adopted.

Mr. Wannamaker called the Board’s attention to the death of Governor Manning, a life member of the Board of Trustees, and stated that he had appointed Messrs. Benet, Barnett, Sanders and Bradley a committee to prepare suitable resolutions on the life of Governor Manning. Resolutions to be presented to the Board at the next regular meeting.

On motion of Mr. Bradley, the Board recessed at 6:00 P. M. to reconvene at 7:30 P. M.

The Board reconvened at 7:30 P. M.

The following were present:

Mr. J. E. Wannamaker, Chairman; Messrs. Bradley, Sanders, Sherard, Abell, Cooper, Speer and Barnett.

Mr. A. L. Harris, representing the Great Atlantic and Pacific Tea Company, appeared before the Board to discuss the possibility of Marketing Farm Produce in cooperation with recognized agencies.

After discussion, it was

Moved by Mr. Sanders: That Mr. Harris take up this matter with Director Long, of the Extension Division, with the view of formulating plans to be submitted to the Agricultural Committee.

Motion Adopted.
Mr. Harris requested Mr. Long to write Messrs. Henry J. Wright, 420 Lexington Ave., New York, M. A. Haywood, Cedar and Hill St., Charlotte, N. C., and Frank W. Wheeler, 420 Lexington Ave., New York and advise them of the Board action. The President called the Board's attention to a letter from Mr. Lever regarding the matter of broadcasting the Clemson-Carolina Football game.

Mr. Barnett made a statement explaining the action of the Committees in charge. After discussion, it was Moved by Mr. Speer: That the matter be referred to the Athletic Committees with power to decide whether or not this game be broadcasted and a report be made to the Board. Motion Adopted.

Mr. Wannamaker, Chairman of the Board, reported that he had received a letter from Mr. Elias P. Earle in which he made certain statements adverse to the College and the Board of Trustees. After the reading of the letter by Mr. Speer, it was Moved by Mr. Bradley: That the Finance and Executive Committees be called within the next thirty days for the purpose of making a careful investigation of the statements contained in Mr. Earle's letter and that Mr. W. D. Barnett, Chairman of the Executive Committee, be authorized to act as Chairman of the joint Committee. That the Chairman of the Board acknowledge receipt of Mr. Earle's letter and that the Governor be notified at the proper time of the findings of the Committee. Motion Adopted.

Directors Long and Barre were invited to appear before the Board for the purpose of giving the Board an outline of the work and progress of their respective departments. Following Director Long's statement, Mr. Barre made a short discussion of some of the problems confronting the Research Work.

The President read the following letter from Director Barre with reference to the duties and relationships of the Food Research Commission and Clemson College with reference to the Agricultural affairs of the State.
Complying with the request of the Agricultural Committee of the Board of Trustees I am submitting herewith a statement as to what would seem to be the proper scope for the activities of the Food Research Commission and Clemson College.

Since claims have been made that there is some conflict between the plans and purposes of the South Carolina Food Research Commission and the various agricultural activities of Clemson College and the Federal Department of Agriculture it seems wise at this time to define the duties and relationships of each as understood by Clemson College.

From the nature of the organization, the work already accomplished and the personnel now employed it would seem that in matters of human nutrition and the chemical composition of human foods the State Medical College in Charleston and the South Carolina Food Research Commission should assume responsibility and leadership and conduct researches and make recommendations, and that in all agricultural matters pertaining to farming practices, the production of crops and livestock, chemical composition of feeds, soils, water and fertilizer, and nutrition of livestock the State Agricultural College (Clemson College) with its research department and its extension service in cooperation with the United States Department of Agriculture should assume responsibility and leadership and conduct researches, make recommendations. Operating on this basis Clemson College would not conduct researches, make interpretation nor recommendation in the field properly belonging to the Medical College and the Food Research Commission and the other commissions and organizations relative to any phase of agriculture.

Wherever these two fields seem to overlap, Clemson College stands ready to cooperate heartily and fully in carrying forward whatever work seems to the best interest of agriculture.

If this position seems sound and is approved by the Board, then there are two research projects that should be presented to the executive committee of the South Carolina Progress Association with requests for funds for their support. These are (1) Chemical analysis of feeds and nutritional studies with dairy cows and other animals, and (2) Research work in vegetable production.

This experiment station started mineral research and analysis of feeds, soils and water before there was any mention of the iodine content of plants produced in this state. Our Bulletin No. 282 is the first publication on this subject and the basis for much of the propaganda put out by the Natural Resources Commission. The Agricultural College is the proper place for research work with feeds. Professor Mitchell is an excellent chemist and we believe the equal of any analyst in America working in this field. Although he did the first and foundation work along this line in the State, his present salary is less than half that received by Dr. Remington. The assistants in our laboratory get about half what the Food Research Commission pays for similar service according to the last printed report available.
This experiment station is already producing different feeds under a great variety of soil, fertility and climatic conditions at the different sub-stations and in cooperation with farmers in the various sections of the State, thus providing ample material of known origin and history for chemical analyses. The plant physiologist and agronomist of the experiment station are available for interpreting the results of different soil and fertilizer treatments and the results of chemical analyses. The head of the Agronomy Department here has a national reputation in the field of mineral nutrition of plants and the exchange of minerals in both plant and animal nutrition.

The Dairy Division of the experiment station has studied the influences of minerals on nutrition during the past five years and has important researches under way now on the mineral balance of dairy cows and on the influence of different minerals upon the structure and strength of bones in calves.

It seems logical therefore from the standpoint of efficiency and economy that any additional work done along these lines and supported by donations or appropriations should be conducted at Clemson College.

An investment of $10,000.00 by the South Carolina Progress Association for these researches here would bring a much larger return than a similar investment in any other research organization in the State.

The effort of Clemson College to conduct research work with vegetable and truck crops dates back to 1903 when in cooperation with the Agricultural Society the College started an experiment station on the old exposition grounds in the City of Charleston. This station was later moved to Summerville on a location now known not to be suitable for vegetable experiments.

The whole program of the Food Research Commission and the Natural Resources Commission is predicated on our ability to produce the various vegetables of high quality efficiently and economically. The hazards of vegetable production are, however, very great. Insect pests and diseases are constantly with us. Fertilizer and rotation practices must be worked out and varieties studied if this business is to succeed.

Great interest has been manifested by the vegetable growers in the establishment of a truck experiment station. Items were included in the state appropriation bill for starting vegetable research in 1929 and in 1930 but both years were vetoed by the Governor. During the 1931 session of the Legislature the Charleston delegation included an item of $10,000.00 in their county supply bill for the purpose of constructing the buildings and purchasing the equipment for a truck station to be located in Charleston County but to serve the entire Coastal section of the State. This appropriation, however, is not available for this purpose unless the land for such a station can be secured without cost to the county and Clemson College has money available for support of the station after it is established. The Federal Government is cooperating in the undertaking and has assigned a plant pathologist and an entomologist to work on the pests and diseases of vegetables in this area provided we will furnish these men laboratory and field facilities for their work. These two projects are costing the Federal Government about $10,000.00 a year. The legislature made no appropriation for this work and the college of course has no other way of financing it.

Here is an excellent opportunity then to provide funds for doing the thing that is needed most to put the vegetable industry on a sound basis. The Federal Government has already
allotted $10,000.00 to the project, the county has appropriated $10,000.00 for buildings and equipment. If the South Carolina Progress Association would assign $10,000.00 of their contributions to support this vegetable research until such time as the Legislature can make appropriation for the purpose, it would be one of the wisest expenditures that could possibly be made at this time for the improvement of our agriculture.

Yours very truly,

H. W. Barre, Director.

HWB/C

After full discussion of some of the features mentioned in Mr. Barre's letter it was

Moved by Mr. Speer: That Mr. R. M. Cooper of the Agricultural Committee, President Sikes and Director Barre be appointed a Committee to present such of these matters as deemed wise to the South Carolina Progress Association and the Natural Resources Commission.

Motion Adopted.

Moved by Mr. Speer: That the Board adjourn.

Motion Adopted and the Board adjourned at 11:30 P.M.

Approved:       Correct:

[Signature]
Chairman       [Signature]
Secretary