

July 2, 1935.

Dr. F. L. Bishop,  
University of Pittsburgh,  
Pittsburgh, Pa.

My Dear Dr. Bishop:

I am making for your information a brief report of the meeting of the Southeastern Section of the S. P. E. E. which was held in connection with the forty-third annual meeting of the National S. P. E. E. June 24, 11 A. M., at Georgia Tech.

In accordance with the authority received from the Council, the Southeastern Group completed their organization of a Southeastern Section of the S. P. E. E. and elected the following officers to hold office until the next annual meeting of this Section: Chairman, Dean Floyd Field, Georgia Tech; Vice-Chairman, Dean L. J. Lassalle, L. S. U.; Secretary, N. C. Ebaugh, Georgia Tech.

The following constitution was adopted unanimously (see enclosed copy).

Dean Van Leer made a report for the committee which was appointed last Fall showing the customs of the Southeastern colleges with reference to the time required for the Engineering degree. Considerable discussion followed with reference to both the four year and five year requirements for such a degree, and the following committee, Dean Van Leer, Dean Rodman, and Dean Lassalle, were appointed to continue observations along this line and keep the Section informed with reference to proposed or actual changes or experiments in these matters.

Please let me know if you wish any more detail report of the sectional meeting, and if desired, I will be glad to furnish it to you.

I will forward to you under separate cover the file which was used at the S. P. E. E. meeting as soon as we have completed our wind-up of local affairs. This will require about two weeks, unless you are in immediate need of these files.

Very cordially yours,

Dean of Men.

FF:EL

Minutes of the Meeting of the Southeastern Section of  
S. P. E. E. - June 24, 1935. *at Ga Tech*

The Southeastern Section of the S. P. E. E. was called to order by the temporary Chairman, Dean Floyd Field, at 11 A. M., June 24, 1935. This meeting was arranged in connection with the forty-third annual meeting of the National S. P. E. E. held at Georgia Tech June 24 to 27. The following colleges and representatives were in attendance.

North Carolina -

University of North Carolina, Chapel Hill, N. C.

E. W. Winkler  
Ma. J. Miller

Duke University, Durham, N. C.

R. S. Wilbur

Louisiana -

Tulane University, New Orleans, La.

Dean Douglas S. Anderson  
W. B. Gregory  
C. W. Ricker  
D. S. Elliott  
James M. Robert

Louisiana State University, Baton Rouge, La.

Hamilton Johnson  
Dean L. J. Lassalle  
G. F. Matthes  
T. W. Neff  
B. W. Pegues  
F. F. Pillet  
Geo. H. Simon  
M. B. Voorhies

Alabama -

University of Alabama, Tuscaloosa, Ala.

J. R. Cudworth  
Geo. J. Davis, Jr.,  
Fred R. Maxwell

South Carolina -


Clemson College, Clemson, S. C.

E. L. Clarke  
Dean S. B. Earle  
D. H. Shenk

Georgia -

Georgia School of Technology, Atlanta, Ga.

N. C. Ebaugh  
J. L. Ellis  
Dean Floyd Field  
Dean D. P. Savant



Maryland -

University of Maryland, College Park, Md.

S. S. Steinberg

Kentucky -

University of Kentucky, Lexington, Ky.

C. C. Jett

University of Louisville, Louisville, Ky.

D. M. Bennett

Virginia -

University of Virginia, University, Va.

Dean W. S. Rodman

Florida -

University of Florida, Gainesville, Fla.

Dean B. R. Van Leer

The Chairman presented a brief review of the former meetings of these representatives and followed the instructions of the group which met at Georgia Tech November 9 and 10, 1934. The authority had been secured from the Council of S. P. E. E. for the organization of a Southeastern Section of the S. P. E. E.

The Chairman then read the following constitution, which, upon motion, was carried unanimously to be adopted as the constitution of the Southeastern Section of the S. P. E. E.

CONSTITUTION and BY-LAWS adopted for the Southeastern Section of the S. P. E. E. June 24, 1935.

CONSTITUTION

Article 1

Name and Purpose

Section 1. The name of this organization shall be the Southeastern Section of the Society for the Promotion of Engineering Education.

Section 2. The purposes of this Section shall be in accordance with those for the National S. P. E. E.

## Article 2

### Membership

Section 1. Membership in this Section shall be any members in good standing in the National S. P. E. E. Any persons interested in Engineering Education will always be welcome at the meetings of this Section.

## Article 3

### Dues

Section 1. This Section shall have no fixed dues. It shall be financed by contributions from the individual members whenever such contributions become necessary by vote of the Section.

## Article 4

### Officers

Section 1. The officers shall be a Chairman, a Vice-Chairman, and a Secretary elected annually, and each will serve until their successors have been elected.

## Article 5

### Meetings

Section 1. Regular meetings shall be held annually at such time and place as the Section shall vote from time to time.

Section 2. Other meetings may be called at the discretion of the officers of the Section.

Section 3. A quorum shall consist of a majority of the Engineering schools represented in the group indicated as the Southeast.

### States and Colleges in Southeast Section.

#### Alabama -

Alabama Polytechnic Institute, Auburn, Ala.  
University of Alabama, University, Ala. ✓

#### North Carolina -

Duke University, Durham, N. C. ✓  
University of North Carolina, Chapel Hill, N. C. ✓  
N. C. State College, Raleigh, N. C. ✓

South Carolina -

Clemson College, Clemson College, S. C. ← *The Citadel, Charleston S.C.*  
University of South Carolina, Columbia, S. C.

Florida -

University of Florida, Gainesville, Fla.

Kentucky -

University of Kentucky, Lexington, Ky.  
University of Louisville, Louisville, Ky.

Louisiana -

*Louisiana Institute, Lafayette, La.*  
Louisiana State University, Baton Rouge, La.  
Tulane University of Louisiana, New Orleans, La.

Maryland -

*Johns Hopkins Univ. Baltimore, and*  
University of Maryland, College Park, Md.  
*U. S. Naval Academy, Annapolis, and.*

Mississippi -

University of Mississippi, University, Miss.  
Mississippi State College, State College, Miss.

Tennessee -

*Tennessee Poly Institute, Cookeville, Tenn.*  
University of Tennessee, Knoxville, Tenn.  
*Vanderbilt Univ. Nashville, Tenn.*

Virginia -

Virginia Polytechnic Institute, Blacksburg, Va.  
University of Virginia, University, Va.

Georgia -

Georgia School of Technology, Atlanta, Ga.  
*Univ. of Georgia Athens.*

~~West Virginia -~~

~~University of West Virginia, Morgantown, W. Va.~~

Article 6

Amendments

Section 1. This constitution may be amended at any regular meeting by a majority vote of the members present provided a quorum is present and provided notice has been sent in writing to the members at least two weeks in advance of the date of the meeting.

## By-Laws

Section 1. The Chairman of the Section shall be ex-officio a member of all committees.

Section 2. The officers of the Section shall constitute the executive committee and the program committee.

Section 3. Officers shall be elected at each annual meeting to serve until their successors have been elected and qualified.

Section 4. These by-laws may be amended at any regular meeting by a majority vote provided a quorum is present.

The Section then elected the following officers to serve for the balance of this year: Chairman, Dean Floyd Field, Georgia Tech; Vice-Chairman, Dean L. J. Lassalle, Louisiana State University; Secretary, Professor N. C. Ebaugh, Georgia Tech.

The Chairman then announced Dean Van Leer who reported for the committee which was appointed in November to secure data concerning five year courses. He made the following report for the committee.

COMPILATION OF RESULTS OF QUESTIONNAIRE CONCERNING FIVE YEAR CURRICULUM FOR ENGINEERING SCHOOLS SOUTHEASTERN SECTION, S. P. E. R.:

### Questions Asked

1. Do a majority of the engineering faculty of your institution believe a five year curriculum would be desirable for Engineering students?
2. Would you be willing to endeavor to have such a program adopted for your institution if a majority of other Southeastern engineering schools would agree to such a program?
3. Is 1940 an appropriate year in which to make such an agreement effective?

4. ~~Would~~ your faculty favor an arrangement of this kind:

(a) For the completion of 64 cr.hrs. of undergraduate collegiate work the awarding of the Junior certificate in Engineering?

(b) For the completion of 128 cr.hrs. of undergraduate collegiate work in engineering the awarding of the B. S. in Engineering (BSE)?

(c) For the completion of 160 cr.hrs. of work, 32 cr.hrs. of which would be specialized in a particular field, the awarding of the B.C.E., B.E.E., etc.?

Would  
7

Answers

	#1		#2		#3		#4a		#4b		#4c		Remarks
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
Alabama, Univ. of (no answers)													
Alabama Polytechnic Inst.	x												Does not favor 5-year curriculum
Arkansas, Univ. of	x		x				x			x		x	x(or later)
Clemson Agr. Col.	x		x				x			x			
Duke University	x		x										Will follow majority
Florida, Univ. of	x		x		x		x		x	x		x	
Georgia School of Technology													Will follow majority
Kentucky, Univ. of	x		x				x		x			x	Will follow majority Would agree if general over entire country.
Maryland, Univ. of	x		x										Strictly opposed to 5-year curriculum, but would follow majority
North Carolina Univ.	x		x				x		x			x	x(before)
N. C. State	x		x				x					x	
Oklahoma A & M	x		<del>x</del>										
Oklahoma, Univ. of	x		x										x(Later)
Rice Institute	x				x								
South Carolina, Univ. of	x				x		x		x			x	
Southern Methodist	x		x				x		x			x	Would probably favor if 5th year was on graduate basis. Favors pre-engineering work about 1 1/2 years.
Stetson Univ. (Fla)	x		x		x		x		x			x	
Tennessee, Univ. of	x		x										x(Much Later) Strictly opposed to 5-year curriculum.
Texas A & M	x		x				x		x			x	Would follow majority if movement was nation-wide.
Texas School of Tech.													(no answers--impossible to adopt now--not considered by faculty.)
Texas, Univ. of	x		x				x		x			x	Would adopt only if 3/4 majority did so.
Tulane University	x		x		x		x		x			x	
Vanderbilt University	x		x				x		x			x	
Virginia Polytechnic	x		x				x		x			x	Sentiment of small majority of faculty. Dean Norris opposed. Thinks it should be started by schools in North.
Virginia, Univ. of	x		x		x		x		x			x	
West Va. Univ.	x		x		x		x		x			x	
	9	-15	13	-10	7	-2	3	-12	6	-8	8	-6	

In response to the request for suggestions as to title for the degree to be awarded after two years of general study and three years of specialized work in engineering, the following results are found:

- Bachelor of Engineering (Civil) 2
- Bachelor of (Electrical, etc.) Engineering 4

EE, CE, ME, Che, etc.  
Bachelor of Science in Engineering  
Professional Degree

1  
1  
1

Number of questionnaires sent out - 33  
Number of replies received - 26

SOME REFLECTIONS ON THE ENCLOSED QUESTIONNAIRE  
BY W. S. RODMAN

I feel that on the whole the results achieved by the questionnaire are encouraging rather than discouraging from the viewpoint of those of us who favor a lengthened curriculum for the proper training of those students of engineering who may properly anticipate a responsible place in their lifework.

The return of 26 out of 33 with 24 making some definite return is a goodly sign that the questions raised were of sufficient general importance to bring an answer.

The indication that more than half of those replying would undertake to set up such a lengthened program if it should be rather generally adopted is a long step toward obtaining the object, which I believe would have been quite impossible a few short years ago.

It is undoubtedly true that there is much confusion with regard to the objectives which are in mind. Indeed this confusion is rather widespread and it is evident that little can be accomplished in respect to a changed curriculum until these objectives have been considerably clarified. This question of objectives is being given a great deal of attention by Dean Doherty's Committee and the report of that Committee at Atlanta should be of vital interest to all of us concerned in this particular study.

Much missionary work remains to be done before we may hope to even approach our goal, but sentiment is crystalizing rapidly and I regard the present outlook as hopeful and as distinctly indicating the desirability of a continuation of study and effort to bring about a new dispensation in the field of professional engineering education.

I believe a study of the returns will show rather clearly that many of those institutions now opposed to the plan of a five-year course are essentially those whose faculty contacts with the S. P. E. E. and its findings have been meagre to say the least. In this respect I feel that many are yet unaware of a changing sentiment and have not as yet grasped the full significance of recent trends.

It is further clear that in some cases the report as indicated does not mirror the real faculty sentiment, but rather gives a horse-back judgement of perhaps one man, perhaps the



Dean alone. I am confident that several of the returns were never given sufficient faculty study to bring out a real consensus of opinion.

It will be noticed that on the questionnaire all the institutions in Texas, for example, with the exception of the University of Texas, indicate their opposition to the five-year curriculum. It is interesting in this connection to have the following statement which I received from Professor Correll of the University of Texas a few days ago, after a meeting of the Texas Section of S. P. E. E. at Lubbock where the content of the Electrical Engineering curriculum was discussed at length.

"From this discussion I believe the opinion is growing each year that the five-year curriculum must be resorted to in order to give adequate fundamental training in electrical engineering."

I submit that such straws show distinctly a positive trend which needs merely careful fostering to show increasing strength within a very reasonable time.

Doubtless you have also noted a recent address by Past-President Wickenden in which he speaks of "The Second Mile" as a necessity for preparing properly those who may aspire to real leadership in the engineering profession. He does, however, still maintain that for the average man a four-year program should be sufficient, and favors a common program for both types with the exception of the last year. I cannot agree with the latter suggestion, although that idea seems to be in the mind of several other well known leaders. Such a program seems far too difficult to set up adequately and I personally prefer a differentiated training with all the difficult problems which such a set-up would encounter by reason of the general attitude on the part of nearly all institutions giving engineering training that they must each train for the highest, thus leaving those who should receive an intermediate program quite out in the cold with nowhere to go.

I feel very frankly that there are too many institutions attempting the impossible in the way of engineering training at present, while recognizing the almost insuperable difficulties in the way of getting any of them to be content with a more modest coverage.

It is rather evident that much as we might desire it there will be small possibility of getting real action along the new lines as early as 1940. I believe that the activities of the ECPD about to be inaugurated in connection with some accredited scheme may help to clarify some of the difficult points.

The question of degree practice leads to no really definite end as revealed in the questionnaire, but here again I feel that much may be hoped for following the Committee Report at Atlanta which Dean Leland is to make.

The questionnaire was worth while. The question should be strongly pushed. Many persons may receive quite a surprise when the snow-ball really gets under way as I feel it will may shortly. *(End of Dean Rodman's Remarks)*

Upon motion, passed unanimously, report was received and the committee discharged.

After considerable discussion; which indicated the following possibilities; first, a straight four year engineering course for the high grade students; second, a five year course required by the lower grade students because of inferior mental caliber; third, a straight five year course required because of the addition by the powers of the administration of courses in economics, humanities, etc.; fourth, the increase of engineering subjects as well as economics, humanities, etc. requiring five years for all students; it was moved and carried that a committee of three be appointed to continue the observation of experiments and practices along the above lines in our engineering schools and to make report again at our next meeting. Committee: Dean Van Leer, Dean Rodman, Dean Lassalle.

It was moved and carried that the matter of time and place of the next meeting be referred to the executive committee.

Professor D. C. Jackson, <sup>jr.</sup> Chairman of the Kansas-Nebraska Section, addressed the Conference in a few words of encouragement and good wishes of the Kansas-Nebraska Section for the Southeastern Section and urged the importance of continuing and encouraged the work of the Section.

Adjourned.

Secretary -

N. C. Ebaugh

Chairman -

Floyd Field

August 16, 1935.

Dr. F. L. Bishop  
University of Pittsburgh  
Pittsburgh, Penna.

Dear Dr. Bishop:

Dean Floyd Field, Chairman of our Southeastern Section, turned over the Minutes of the Southeastern Meeting, held on June 24. He has been handling the business in connection with this and decided to send in the Minutes. I was out of the city at the time and did not get a chance to check over them.

If you decide to use these Minutes in the Journal, there are two small corrections which I would like to make. In Dean Van Leer's tabulation of answers to questions on the five year plan, I find that the University of West Virginia has been left out. This should be added with X under No for both questions, 1 and 2. No replies are indicated for the other questions. The other correction refers to the last paragraph and should be Professor D. C. Jackson, Jr. rather than D. C. Jackson.

These corrections are relatively unimportant but I feel that they should be as accurate as possible.

Sincerely yours,  
*N. C. Ebaugh*

N. C. Ebaugh, Secretary  
Southeastern Section S.P.E.E.

NCE/LW

President  
DOUGLAS S. ANDERSON  
Tulane University  
New Orleans, La.

Vice-Presidents  
P. H. DAGGETT  
Rutgers University  
New Brunswick, N. J.

S. B. EARLE  
Clemson Agricultural  
College  
Clemson College, S. Car.

SOCIETY FOR THE PROMOTION OF  
ENGINEERING EDUCATION

OFFICE OF THE SECRETARY  
PITTSBURGH, PA.

August 1, 1935

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University of Pittsburgh  
Pittsburgh, Pa.

Treasurer  
W. O. WILEY  
440 Fourth Avenue  
New York City

Assistant Secretary  
NELL McKENRY  
University of Pittsburgh  
Pittsburgh, Pa.

Dean Floyd Field  
Georgia School of Technology  
Atlanta, Ga.

My dear Dean Field:


We have the minutes of the meeting of the Southeastern Section of the S.P.E.E. In the Constitution, Article 5, Section 3, we note you have a list of states and colleges in the Southeastern Section. The following have been omitted and we are wondering if it is just an oversight:

South Carolina	The Citadel, Charleston
Louisiana	La. Institute, Lafayette
Maryland	Johns Hopkins Univ., Baltimore U.S. Naval Academy, Annapolis
Tennessee	Vanderbilt Univ., Nashville Tenn. Poly. Inst., Cookeville
Virginia	Washington & Lee Univ., Lexington Virginia Military Inst., Lexington
Georgia	Univ. of Georgia, Athens

We have members in all of the above institutions.

We also note that you have included West Virginia. At our meeting in Atlanta, West Virginia petitioned with the institutions in the western part of Pennsylvania for the establishment of the Allegheny Section. This was granted.

Cordially yours,

  
Secretary

August 6, 1935.

Doctor F. L. Bishop, Secretary,  
University of Pittsburg,  
Pittsburg, Pa.

My dear Doctor Bishop:

Your letter of inquiry with reference to registration cards received and I find that the secretary to whom I gave the notice did not send the cards and I am preparing them today for parcel post and trust that you will receive them very shortly.

With reference to the members of the Southeastern Section of the S.P.E.E., the list was selected from the states which had been assigned to me by the director of sections and branches, which at that time included West Virginia, and the balance were selected from the prepared list of institutional members and not from the individual members.

I will make the proper correction with reference to West Virginia, and you will note that all individual members are included as members of the Southeastern Section.

There are now no engineering courses given at the University of Georgia, and several of the other institutions which you list have made no reply to my letters of inquiry to them to participate in the work of the Southeastern Section.

I will be glad to include any of them who may be interested and will make the necessary corrections in the minutes of the Southeastern Section.

Very cordially yours,

Dean of Men.

Nov. 15, 1935.

Dr. F. L. Bishop,  
Secretary, S.P.E.E.,  
Univ. of Pittsburgh,  
Pittsburgh, Penna.

Dear Dr. Bishop:

Inclosed is an application for membership which I have the pleasure to send in.

I am very much interested in obtaining a list of men who have been located at one of the Southeastern schools and who have served the society in the capacity of either president, vice-president or as a member of the council. I would appreciate it very much if you could have your secretary supply such a list for the records of the Southeastern Section.

With best wishes, I am

Sincerely yours,

Newton G. Ebaugh, Head  
Dept. of Mechanical Engineering

*Sec. Southeastern Sec*  
*SPEE*

NCE/mw

Encl.

President  
DOUGLAS S. ANDERSON  
Tulane University  
New Orleans, La.

Vice-Presidents  
P. H. DAGGETT  
Rutgers University  
New Brunswick, N. J.

S. B. EARLE  
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SOCIETY FOR THE PROMOTION OF  
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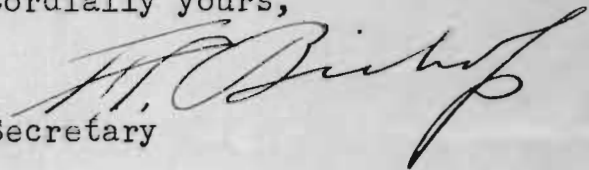
November 20, 1935

Professor Newton C. Ebaugh  
University of Florida  
Gainesville, Florida

My dear Professor Ebaugh:

In reply to your letter of November 15 would say that I am glad to notify you that at the present time the Southeastern Section of the Society is honored by having one of their members President of the Society this year; another Vice-President, and a third a member of the Council. These men are: President--D. S. Anderson, Tulane University; Vice-President--S. B. Earle, Clemson College; Member of Council--B. R. VanLeer, University of Florida.

Cordially yours,

  
Secretary

November 22, 1955

Dr. F. L. Bishop, Secy.,  
Society for the Promotion of  
Engineering Education,  
University of Pittsburgh,  
Pittsburgh, Pa.

My Dear Dr. Bishop:

Thank you for your letter of November 20, and  
the information contained therein.

I guess that my letter of November 15th was  
not as clear as it should have been. I would like to have a list  
of men who have been located at one of the Southeastern schools,  
and who have served the Society in capacity of either President,  
Vice President, or as a member of the Council, since the Society  
was established.

I, of course, know of those men who are  
officers at present, but the Southeastern Section has no record  
of those who have served in the past.

Trusting that this request will meet with  
your favorable reply, I am with best wishes,

Sincerely yours,

Newton C. Ebaugh, Secy.,  
Southeastern Section, N.C.E.E.



President  
DOUGLAS S. ANDERSON  
Tulane University  
New Orleans, La.

Vice-Presidents  
P. H. DAGGETT  
Rutgers University  
New Brunswick, N. J.

S. B. EARLE  
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College  
Clemson College, S. Car.

SOCIETY FOR THE PROMOTION OF  
ENGINEERING EDUCATION

OFFICE OF THE SECRETARY  
PITTSBURGH, PA.

December 3, 1935

Secretary  
F. L. BISHOP  
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Pittsburgh, Pa.

Treasurer  
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440 Fourth Avenue  
New York City

Assistant Secretary  
NELL McKENRY  
University of Pittsburgh  
Pittsburgh, Pa.

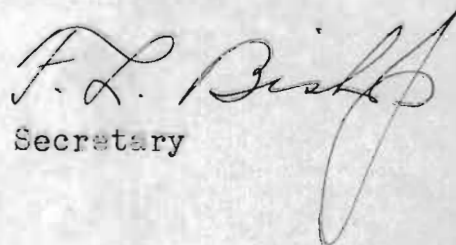
Professor N. C. Ebaugh  
University of Florida  
Gainesville, Fla.

My dear Professor Ebaugh:

In reply to your letter of November 22 would say that the following men have served the Society. We are not, of course, listing those men who served but who have since died. At the time P. H. Daggett was a member of Council he was connected with the University of North Carolina.

T. U. Taylor, Vice President, 1920-21  
R. S. King, Vice President, 1924-25  
D. S. Anderson, Vice President, 1931-32;  
Member of Council, 1923-26  
President, 1935-36.  
J. H. Felgar, Member of Council 1920-23  
T. U. Taylor, Member of Council, 1917-20  
F. E. Giesecke, Member of Council 1921-24  
P. H. Daggett, Member of Council 1921-24  
G. M. Butler, Member of Council 1924-27  
S. B. Earle, Member of Council 1927-30  
Vice President 1935-36  
J. J. Wilmore, Member of Council 1928-31

Cordially yours,

  
Secretary