MINUTES OF THE TWELFTH ANNUAL MEETING OF THE S.E. SECTION
OF THE SOCIETY FOR THE PROMOTION OF ENGINEERING EDUCATION
HELD IN NASHVILLE, TENN. APRIL 26-27, 1946.

Vanderbilt University was host to the S.E. Section of S. P. E. E.
at their twelfth annual meeting held in Nashville on April 26-27, 1946.

The first session was called to order by the Chairman, Dean L. L.
Patterson at 10:00 A.M., and the following committees were appointed:

Nomination and Place of Meeting.
Dean F. L. Wilkinson, Chm.
Dean M. W. Dougherty.
Dean W. H. Hall.

Resolutions.
Dean J. L. Lasalle, Chairman.
Dean S. E. Earle.
Dean J. B. Cudworth.

The general theme of this session was "Post War Educational Programs.
The first speaker, Mr. George E. Thackston, Chief, Educational and Training
Section of the Veterans Administration, at Nashville, spoke on "Training of
Veterans under Public Law 16 and 346. He reported that there were many more
veterans taking advantages of the opportunities offered under these laws and
that all of the colleges would be confronted with a superhuman task to take
care of these veterans with the present limited facilities.

Dean H. F. Hamond of Penn State College spoke on Technical Institutes
The opinion expressed by Dean Hamond was that there is a definite place in
our educational program for Technical Institutes and that they will increase
in number in the future.

The B. S. P. E. program for accrediting curricula for Technical
Institutes, he said, was for the purpose of guiding the Technical Institute
movement in such a direction that it will be a benefit to technical education
as a whole, including professional engineering education.

Dean C. W. Eshbach of Northwestern Technological Institute spoke on
the Cooperative plan of Education. He pointed out that all educational objectives
could not be achieved by formal methods of instruction. The basic philosophy
of the cooperative plan, he said, was the achievement of a coordination between
education and life thru which the student "should feel the thrill of industrial
and civic needs and desire to make a contribution toward their fulfillment.
There is no magic culture in any particular subject of instruction or experience
but properly synthesized, they may together contribute full measure to the
discipline and development of young engineers". He described the method of
operation of this plan at Northwestern and pointed out the many advantages which
caused it to be so well accepted by industry, the schools and the students.

Dean F. L. Wilkinson speaking on the five year plan at the Speed Scientific
school said that at the outset he was not an advocate of the five year plan for
all engineering schools. He pointed out that the five year plan at the Speed
Scientific School was "designed solely for the development of an engineering
program pointing towards the professional and creative functions of engineering".
The plan, he said, required a careful selection of students. The
students under such a plan should have a better foundation in mathematics
than the average high school student and he should show better than average
aptitude for the sciences.

As the time was short the talk by Dean Seabrooker was transferred to the
afternoon session and discussion of the papers presented was taken up. In this
discussion some of the salient points brought our views as follows.

Dean S. B. Earle in discussing the paper on Technical Institutes said that
at this time the Technical Institutes would be of great benefit to some veterans
who did not want to spend the time for a formal education. It was, he believed,
a good move for the engineering colleges to help in promoting the work of the
Technical Institutes.

Prof. J. H. Williamson of Univ. of "ama said that many of the cooperative
employes were planning to set up training programs in their plants as part of
their post war plans. This he believed would stimulate cooperative education.

Dean Nashbach was asked what effect the union activities would have on
cooperative plan. His answer was that he was worried about this and that
if the unions managed to get closed shops the cooperative student may have to
join the unions.

In discussing Dean Wilkinson's paper, Prof. B. M. McCain of Miss. State
College said that he felt that the Speed Scientific School recognized that
there was a problem and had set about in a way to solve it. He felt that it
was a goal for all to shoot at but that each school would have to solve this
problem in its own way. He said that it was recognized that some extension
was needed but there were several ways of doing this. (1) Possibility of
one year graduate study. (2) a straight five year undergraduate course
(3) four years after a short cultural course and (5) keep in touch with the
student and extend formal training when needed after graduation.

The morning session was adjourned for the luncheon.

The section was very graciously welcomed to Vanderbilt and Nashville
by Vice Chancellor C. M. Sarratt at the luncheon meeting. The guest speaker
for this occasion was Col. Barry S. Barry who spoke on "Universal Military
Training."

Col. Barry said that he felt that the advocates of Universal Military
training had proved their case for now, more than ever before, we needed
a large reserve of men and materials. The unusually destructive weapons
that we have today made this necessary. He advocated making the Army
as a career as attractive as civilian careers so that we could build up
a large volunteer army. This volunteer army could then defend the country
until we could mobilize our reserve forces built up under Universal Military
Training Program.

The afternoon session was presided over by Prof. A. T. Granger.

Dean B. I. Seabrooker was the first speaker of this session. He spoke
on the operation of the Graduate School at the Georgia School of Technology. He
briefly described the function of the office of the Dean of Graduate school at
Georgia School of Technology and the requirements of the faculty and students. The selection of students, he said, was based on an examination to determine whether the student had the ability to do Doctorate work. The requirements were for three years work, one of which should be spent in residence. The year of residence could be either of the three years. While it was sometimes best to select one of the first two years it sometimes happened that the candidate wished to do research elsewhere due to certain equipment. In this case he was required to return for the writing of his thesis in the last year. No accurate accounting of costs had been made but his estimate was that graduate instruction cost about twice as much as undergraduate instruction.

The remainder of the afternoon session was devoted to reports and discussion of Post War Policy Programs.

Dean D. V. Terrell of the University of Kentucky reported that, according to answers to a questionnaire that he sent out to colleges in the southeast, all of the schools would be overcrowded unless something were done to limit enrollment. He pointed out that unless enrollment were limited now on the number entering the lower classes that we would over tax our facilities when these students reached the junior and senior classes. We would not only be limited in physical facilities but in teaching personnel as well, he said.

Prof. A. M. Hill of Tulane University reported that most of the colleges were planning to extend the accelerated program in some form for several years. Most of them planned to increase salaries to the faculty for this extra time in teaching but that the faculties would have to be content with not more than a month's vacation per year.

Dean LaSalle reporting on teacher recruitment said that to get the quality of teachers we must have that it would be necessary to compete with industry in the matter of salaries. This, he said, would mean a substantial increase for at least several years until more settled times. The present average annual salary among the schools investigated was as follows: Instructos $2400; Asst. Professors $2800.00; Associate Professors $3600.00 and full professors $4450. The estimated number of extra professors needed in schools in the s.e. section he said was 300. He suggested the following solutions: 1. Limit enrollment of out of state students especially women. 2. Take no students not there before the war. 3. Limit the number of married veterans due to housing shortages. 4. Take no out of state student unless in the upper half of his class in high school.

Many members took part in the discussion which followed these reports. Some of the highlights of this discussion follows.

Col. L. S. Defellier: suggested that we put on brakes by selecting the best of the applicants up to our facilities. We should first recapture those who were in the colleges before and doing well, he thought. "We are called upon," he said, "to meet a situation which we should not be called upon to meet".

Dean W. S. Rodman said that at the University of Virginia that they needed few but were unable to find the few teachers they needed of the calibre they demanded. He suggested that we use our best teachers for the lower classes and place the poorer teachers where they would do the least harm. He thought our present difficulty was due to the fact that the men with brains have been in the army picking up cigarette butts instead of in the colleges where they rightfully belonged.
Mr. Henry R. Armsby of the Office of Education said that the National Roster of Scientific Personnel had agreed to expand their service for top people in colleges. However they could not act as employment agency but would give names of men for whatever branch of work is desired.

Dean G. W. Eshbach predicted that we would not have maximum enrollment until about 1948-49 at which time we would need 50% greater capacity than is needed now due to those men in the lower classes reaching the upper classes. It is up to us now to make our administrating officers see this and be prepared for it.

Dean H. P. Hammond said we should not fear the future so long as we were doing something constructive. When the peak comes he pointed out we will have men who have had one year of graduate work who can return to the colleges and help.

Dean Joseph Weil suggested that if we paid enough we could get the men we want and that it was time we brought some of these men to our campus. To pay these new men will eventually mean a higher pay for the teachers now on the job, he said.

A strenuous day of discussion was crowned by a delightful dinner arranged by Dean Fred J. Lewis and presided over by Dean L. L. Patterson Chairman of the S.E. Section.

The guest speaker for this occasion was Dean S. S. Steinberg of the University of Maryland who gathered the members and guests together with him and with the aid of a large map took them on a very interesting tour thru the countries on the South American continent.

The final session was held in Memorial hall of Vanderbilt University with the Vice Chairman, Dean Joseph Weil presiding.

A panel discussion was held on the subject of "Participation of the Colleges and Universities in the Disposal of Surplus War Material".

In this discussion it was the general consensus of opinion that the rules and regulations under which the surplus property was being handled were poorly framed and improperly carried out. In general it was thought that more property could be donated to the colleges and that the property which the colleges were allowed to buy was priced above its value.

**Business meeting**

Dean L. L. Patterson presided at the annual business meeting.

Dean R. L. Sumwalt moved that the institutional dues be $8.00 per year for all members of the S.E. Section. It was seconded and carried.

Dean Dougherty, chairman of the nominating committee reported that the committee had nominated the following officers: For chairman, Dean Joseph Weil of University of Florida; For vice-chairman Dean Fred J. Lewis of Vanderbilt University and for secretary, E. Gale Haynes of The Citadel. It was moved seconded and carried that the Secretary cast a unanimous ballot for the officers nominated.
Dean Dougherty reported that the place of meeting committee recommended that we accept the invitation of the University of Louisville for the spring meeting of 1947. Prof. W. B. Wendt moved that the committee report be adopted. It was unanimously carried.

Dean L. J. Lasalle gave the following as report of the Resolutions Committee:

Whereas we, the members of the Southeastern Section of S.P.E.E., have been the guests of Vanderbilt University during our twelfth annual meeting and have been entertained with distinctive hospitality, therefore, be it resolved:

1. That we deeply appreciate the many courtesies extended to us by Vanderbilt University.

2. That we express our thanks to the officers of the section, to Dean Fred J. Lewis in particular and to the various committees on arrangements for the unexcelled program.

3. That we thank the speakers for the able manner in which they presented their timely and very interesting subjects.

4. That we express our appreciation for the special entertainment provided for the ladies.

5. That we thank the management of the Hotel Hermitage for providing such excellent facilities for our meetings.

6. That we desire to express appreciation to the United States Office of Education for the appointment of Dr. Henry H. Armby as Liaison Officer with Engineering Colleges.

7. That we express thanks to the General Education Board for their grant of $50,000.00 to the S. P. E. E. for assistance to the S. E. Section institutions project with the Tenn. Valley Authority.

8. That these resolutions be spread on the minutes of this meeting and that a copy be sent to the Vice-chancellor of Vanderbilt University and to the U. S. Office of Education and to the General Education Board.

The report was unanimously adopted.

The minutes were approved as written.

Dean Dougherty moved that the group endorse receipt of grant from the General Education Board for research scholarships in this area. Motion seconded and adopted.

With the motion for adjournment the twelfth meeting of the S.E. Section of the S.P.E.E. came to a close.

There were 85 members present representing 23 Engineering colleges in the S.E. Section. There were 6 guest members of the S.P.E.E. from other sections and seventeen lady guests present.

Respectfully Submitted,

H. Gale Haynes, Secretary.
<table>
<thead>
<tr>
<th>Institution</th>
<th>Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alabama, University of</td>
<td>Colgan H. Bryan</td>
</tr>
<tr>
<td></td>
<td>James R. Cudworth</td>
</tr>
<tr>
<td></td>
<td>Oscar Dahlana</td>
</tr>
<tr>
<td></td>
<td>Gilbert H. Dunstan</td>
</tr>
<tr>
<td></td>
<td>J. M. Faircloth</td>
</tr>
<tr>
<td></td>
<td>C. N. Gaylord</td>
</tr>
<tr>
<td></td>
<td>George Johnson</td>
</tr>
<tr>
<td></td>
<td>Warren G. Keith</td>
</tr>
<tr>
<td></td>
<td>Otto H. Lunde</td>
</tr>
<tr>
<td></td>
<td>W. H. Taylor</td>
</tr>
<tr>
<td></td>
<td>W. G. Tarnock</td>
</tr>
<tr>
<td></td>
<td>J. E. Hannum</td>
</tr>
<tr>
<td></td>
<td>R. S. Poor</td>
</tr>
<tr>
<td></td>
<td>Raymond B. Seymore</td>
</tr>
<tr>
<td></td>
<td>H. G. Haynes</td>
</tr>
<tr>
<td></td>
<td>L. S. LeTellier</td>
</tr>
<tr>
<td>Auburn</td>
<td>S. E. Earle</td>
</tr>
<tr>
<td></td>
<td>I. A. Trively</td>
</tr>
<tr>
<td></td>
<td>W. M. Fachter</td>
</tr>
<tr>
<td>Chattanooga, Ind. Res. Inst. of Citadel, The</td>
<td>Frederick J. Reed &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>W. H. Hall</td>
</tr>
<tr>
<td>Clemeon College</td>
<td>Joseph Weil</td>
</tr>
<tr>
<td></td>
<td>C. L. Emerson</td>
</tr>
<tr>
<td></td>
<td>Gerald A. Rosselot</td>
</tr>
<tr>
<td></td>
<td>Robert Sarbacher</td>
</tr>
<tr>
<td>Duke University</td>
<td>A. L. Chambers</td>
</tr>
<tr>
<td></td>
<td>F. J. Cheek</td>
</tr>
<tr>
<td>Florida, University of</td>
<td>A. S. Coffinberry</td>
</tr>
<tr>
<td>Georgia Tech.</td>
<td>C. S. Crouse</td>
</tr>
<tr>
<td></td>
<td>R. E. Shaver</td>
</tr>
<tr>
<td></td>
<td>D. V. Terrell</td>
</tr>
<tr>
<td>Kentucky, University of</td>
<td>L. J. Lassalle</td>
</tr>
<tr>
<td></td>
<td>J. T. Folk</td>
</tr>
<tr>
<td>Louisiana, University of</td>
<td>H. J. Nethken</td>
</tr>
<tr>
<td>Louisiana Polytech. Inst.</td>
<td>Roy T. Sessums</td>
</tr>
</tbody>
</table>
Attendance - SPEE.

Institution                           Representative
Louisville, University of

Maryland, University of

Mississippi State

Mississippi, University of

Monsanto Chemical Co.

North Carolina State College

Northwestern University

Pennsylvania State

South Carolina University

Tennessee, University of

Tennessee Polytech. Institute

Tennessee, State of

Tennessee Valley Authority

Texas, University of

Tulane University

R. C. Ernst & Mrs.

M. G. Northrop

W. B. Wendt

F. L. Wilkinson

S. S. Steinberg

Duex McCain

H. P. Neal

L. L. Patterson

Lee H. Johnson

M. D. Whitaker

J. H. Lampe

W. G. Van Note

O. W. Eshbach & Mrs.

H. P. Hammond & Mrs.

Robert L. Sumwalt

W. H. Baskervill

R. T. Brown

Cecil S. Camp

N. W. Dougherty & Mrs.

Armour T. Granger

K. L. Hertel

Roscoe W. Morton

W. G. Pollard

F. H. Thomas & Mrs.

James H. Williamson

J. M. Henderson

D. W. Mattson

Burgin Dossett, Com. of Ed.

John P. Ferris

R. Brooks Taylor

W. R. Woolrich

F. H. Fox & Mrs.

A. M. Hill

James M. Robert
<table>
<thead>
<tr>
<th>Institution</th>
<th>Representative</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vanderbilt</td>
<td>W. D. Glenn &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>S. K. Haynes</td>
</tr>
<tr>
<td></td>
<td>George A. Henderson</td>
</tr>
<tr>
<td></td>
<td>A. W. Ingersoll</td>
</tr>
<tr>
<td></td>
<td>Fred J. Lewis &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>E. E. Litkenhous &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>G. H. Lundberg</td>
</tr>
<tr>
<td></td>
<td>R. N. McDonald &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>Glenn A. Milligan</td>
</tr>
<tr>
<td></td>
<td>W. L. Miser &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>W. H. Rowan &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>Philip Rudnick</td>
</tr>
<tr>
<td></td>
<td>Fred Schumann &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>S. R. Schedler &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>F. C. Slack</td>
</tr>
<tr>
<td></td>
<td>M. H. Stopinski</td>
</tr>
<tr>
<td></td>
<td>Dan A. Thomas</td>
</tr>
<tr>
<td></td>
<td>F. M. Tiller &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>W. G. Whitesitt &amp; Mrs.</td>
</tr>
<tr>
<td></td>
<td>W. F. Wright</td>
</tr>
<tr>
<td>Virginia Military Institute</td>
<td>Col. R. A. Marr</td>
</tr>
<tr>
<td>Virginia Polytechnic Institute</td>
<td>Dr. F. C. Vilbrandt</td>
</tr>
<tr>
<td>University of Virginia of Virginia</td>
<td>Dean W. S. Rodman</td>
</tr>
</tbody>
</table>