

Financial Statement Spring 1947

|                            |       |                 |
|----------------------------|-------|-----------------|
| Balance on Hand April 1946 | ----- | \$ 13.77        |
| Dues collected             | ----- | \$ 55.70        |
|                            |       | <u>\$ 69.47</u> |

Expences for year.

|                                     |              |                |
|-------------------------------------|--------------|----------------|
| Stamps -----                        | \$ 20.02     |                |
| Printing Envelopes & Stationery     | 17.75        |                |
| Printing Programs -----             | 40.00        |                |
| Printing Bill Heads -----           | 6.00         |                |
| Engraving 2 Copper half-tones ----- | 10.94        |                |
|                                     | <u>94.71</u> | \$ 94.71       |
|                                     | Balance      | <u>- 24.24</u> |
| Dues outstanding \$ 34.00           |              |                |

*H. Haynes*

BALTIMORE BOND  
BAG CENTERED SA...

MINUTES OF THE THIRTEENTH ANNUAL MEETING  
THE SOUTHEASTERN SECTION OF THE SOCIETY  
FOR ENGINEERING EDUCATION  
APRIL 17-18-19, 1947

The Speed Scientific School of the University of Louisville was host to the S. E. Section of A. S. E. E. and the Research Branch of the Section, at their thirteenth annual meeting on April 17-18-19. Nineteen of the twenty-two colleges in the S. E. Section and three industrial organizations were represented by the ninety members attending. The following guests were present: Mr. H. H. Armsby of the U. S. Office of Education; Dr. Harry Diamond of the National Bureau of Standards; Mr. A. M. Palmer of the National Research Council; Dean R. R. Slaymaker of Case School of Applied Science; and Dr. Donald B. Prentice, president of Rose Polytechnic Institute.

The meeting of the Research Division was held on April 17. Reports from all the colleges in the section showed a surprising increase in research activities since the research branch was begun in 1944. All of the colleges reported plans for still further increases for the coming year.

Dr. Harry Diamond spoke on "Miniaturization of Electronic Circuits". Great advances had been made in research on this project, he said, by the miniaturization of electronic tubes and by painting the circuit on a plastic background.

The theme of the first meeting of the Section on the morning of April 18 was, "Getting Back to Normalcy".

Dean R. R. Slaymaker described the method of limiting enrollment at Case School of Applied Science by the use of the Pre-engineering Inventory tests used in combination with special tests prepared at the Case School. Through the use of these tests, he said, the number of failures have been decreased to one percent.

Dr. James L. McAuliffe of the University of Tennessee spoke on "The Influence and Progress of the War Veteran on the Campus". His talk was based on his experience with the veterans on the campus at the University of

Tennessee, where he found that the veterans, after being on the campus for one term, were a highly vocal and progressive group and in general had a sobering influence on the campus. They were sensitive to opportunities, carried on better discussion in classes and increased the social activities of the campus on a lower cost level. Dr. McAuliffe said that he felt that in many ways the veteran was a definite contribution to campus life. He pointed out, however, that, judging from the veterans, the army was a poor place for physical development or education.

In talking to the Section on the subject, "Modification and Trends in Engineering Curricula", Dr. William G. Van Note of North Carolina State College gave a brief resume of the history of the development of the engineering curricula in the United States. The present trends, he said, were as follows:

- (1) Tendency to make the first three years of the five year curricula uniform.
- (2) An increase of above 20% of Social Humanistic items in all curricula.
- (3) Building up interest in engineering research which at present is not so great as industrial research.
- (4) Tendency toward greater specialization especially in graduate curricula.

Professor R. D. Span of the Alabama Polytechnic Institute, speaking from his own experience on the "Values of Humanistic Social Courses in Engineering Curricula", said, that something should be done to get the student out of the deep valley of not understanding human beings around him. The humanistic courses, he felt, should be planned to take hold of the mind of the student as a part of his engineering course. The courses should be given in the early part of his course so they would be of advantage to him in dealing with other students and the instructors in the advanced work.

The theme of the afternoon session was, "Keeping Pace with the Times". The principle speaker for this session was Dr. Harry Diamond, who spoke on "The Status of Engineering Research in Electronics".

Dr. Diamond pointed out that the oversold public, the lack of trained personnel, and the retarded rate of progress in pure science were problems beyond the control of the research engineer.

Points brought out in his paper were as follows:

- (1) The emphasis on engineering research during the war has advanced our knowledge of materials, design technique and instrumentation.
- (2) There is no lack of fundamental principles on which to base engineering research.
- (3) There is much need for accelerated research to meet the demands of society. This can be supplied by redoubling our present efforts.
- (4) We must rely in a great measure on the pure scientist to bridge the gap between fundamental knowledge and engineering application.

Professor W. G. Ireson of Virginia Polytechnic Institute spoke on "The Improvement of Class Room Instruction". He believes class room instruction is influenced by four factors; the teacher, the student, the facilities and the subject. A teacher, he said, should be selected on the basis of his personality, ability to express himself well, and his knowledge of the subject to be taught. Too often we select the teacher who has great knowledge of the subject but who cannot impart that knowledge because of a lack of personality or self-expression. Too many students, he said, are enrolled in engineering schools who are not properly equipped to do the work. We must be more careful in the selection of our students. The use of class room aids not only helps the student but saves the teacher time in getting the subject across. Finally, he pointed out, that in teaching any subject it is necessary to correlate that subject to other subjects taken by the student and to the student's background knowledge.

Dr. Frank G. Slack of Vanderbilt University, speaking on "Atomic Energy and the Atomic Age", pointed out that there should be a greater interest shown by the colleges in the work of the Atomic Energy Commission by sending representatives of their faculty to take the courses of study offered at the Atomic Energy plants. Research in Atomic Energy, he said, was growing by leaps and bounds and that now the new found elements, and the radio active isotopes were being extensively used in many fields of science and medicine.

Mr. Henry N. Lyons, Administrative Manager of Laboratories for the Devoe Reynolds Company of Louisville, spoke on "Shortcomings of the Present Graduate as Diagnosed by an Industrialist". The recent graduates, he said, have received adequate training in the fundamentals of the engineering course they elected in college but they generally lack a practical working knowledge of mathematics and an appreciation of the importance of a knowledge of fundamental business principles. He considered mathematics, especially calculus and differential equations, a most valuable tool in the hands of the engineer. The colleges, he believes, should do something about this mathematical shortcoming. In the matter of the lack of knowledge of business, he said, there is little the engineering college can do in a crowded four year curriculum other than to stimulate interest in the subject by short courses.

Professor W. N. Cox, of Georgia School of Technology, speaking on "Safety Engineering in Engineering Curricula", described the course as offered at the Georgia School of Technology and stated that he thought there was a need and a place for safety engineering courses in all engineering curricula, and especially in those related closely to industry.

A forum on the subject, "Teacher Shortages", was held at the last session on the morning of April 19th with four speakers participating.

Professor R. O. Shots of the University of Alabama gave the historical background of the causes of teacher shortages.

Professor I. A. Trively speaking on "Industrial Opportunities vs Those of Teaching", pointed out that we could not hope to attract the good men from industry until we gave them adequate pay and adequate facilities with which to work.

Professor R. E. Shaver speaking on "Effects on Staff Morale", said that he believed that the quality of man now in the engineering colleges would turn in a good job in spite of an overload. Since this is a temporary condition we should be glad to carry on since we now have the kind of students we have all been waiting for.

Professor O. W. Stephenson of Tulane University, speaking on "Some Avenue of Hope", said that the teacher shortage had taught us several things. One was the fact that we needed more laboratory equipment so the student could do more work by himself. In this way one teacher could handle more men in the laboratory. This could be carried into the class room too. With better instructional aids one instructor could teach more students at one time.

#### BUSINESS MEETING

It was moved, seconded and carried that the activities of the fellowship committee be included in the minutes each year.

Dean Lewis moved that the institutional dues be increased to \$5.00 per year. The motion was seconded by Dean Robert and carried.

The report of the resolution committee was made by Dean Robert as follows:

"With the usual amount of vacuous verbiage we resolve to express appreciation and thanks as follows:

"1. To Dean Ernst and the faculty of the University of Louisville for their many helpful courtesies.

"2. To Dean Weil and the officers of the section for their effective administration of a successful year.

"3. To Dean Fred J. Lewis in particular and the many committees on arrangement for the unexcelled program and housing arrangements under very difficult circumstances.

"4. To Dr. H. H. Armsby and Dr. Harry Diamond for their helpful participation in our program.

"5. To the speakers for their part in making the program successful.

"6. To the arrangement committees for the special program for the ladies.

"7. To anyone else or any other circumstance not encompassed in the above.

"WE RESOLVE that these resolutions be written on good quality paper and sent to:

"a. The president of the University of Louisville.

"b. We don't know who else.

"c. They will automatically become a part of these minutes."

RESOLUTION on the Death of Dean W. S. Rodman.

"We regret the untimely death recently of Dean W. S. Rodman of The University of Virginia. For many years he attended regularly the meetings of this group. His wise counsel and always logical viewpoint were valuable and helpful guides in conducting the affairs of this Section.

We shall miss him greatly."

Dean LaSalle reporting for the Committee on Place of Meeting, recommended that we accept the invitation of the University of Florida for our next meeting. Moved, seconded and carried.

Dean L. L. Patterson reported for the Committee on Nominations as follows:

- |                     |                      |                                |
|---------------------|----------------------|--------------------------------|
| For Chairman        | Dean Fred. J. Lewis, | Vanderbilt University.         |
| Vice-Chairman       | Dean J. E. Hannun,   | Alabama Polytechnic Institute. |
| Secretary-Treasurer | H. Gale Haynes,      | The Citadel.                   |
| Council Member      | Dean L. J. LaSalle,  | Louisiana State University.    |

The committee also recommended that beginning with the next spring meeting the Section consider the election of secretary-treasurer for a period not to exceed over three years.

It was moved seconded and carried that the secretary cast a unanimous ballot for the officers selected by the committee.

There being no further business the thirteenth annual meeting of The Southeastern Section of the American Society for Engineering Education was adjourned.

Respectfully submitted,

H. Gale Haynes, Secretary.



MEMBERS AND GUESTS OF THE SOUTHEASTERN SECTION OF THE  
AMERICAN SOCIETY FOR ENGINEERING EDUCATION JOINT MEET-  
ING IN LOUISVILLE, KENTUCKY.

- H. H. Armsby - Specialist in Engineering Education -- U. S.  
Office of Education.
- J. A. Ayers -- University of Louisville.
- F. R. Bailey -- University of Louisville.
- B. Barnett -- University of Kentucky.
- H. B. Patchelor -- Louisiana Tech.
- D. M. Bennett -- University of Louisville.
- E. A. Bureau -- University of Kentucky.
- F. J.
- C. A. Camp -- University of Tennessee.
- C. S. Carter -- University of Kentucky
- W. Carter -- University of Kentucky.
- A. L. Chambers -- University of Kentucky.
- F. J. Check -- University of Kentucky.
- L. S. Churchill -- University of Louisville
- W. W. Chew -- Louisiana Polytechnic Institute
- W. N. Cox -- Georgia School of Tech.
- C. S. Crouse -- University of Kentucky.
- J. R. Cudworth -- University of Alabama.
- S. A. Derry -- University of Florida.
- H. Diamond -- National Bureau of Standards.
- R. M. Dowd -- University of Tennessee.
- R. C. Ernst -- University of Louisville.
- F. H. Fenn -- Louisiana State University.
- H. H. Fenwick -- University of Louisville.
- S. T. Fife -- University of Louisville.
- J. R. Foming -- University of Tennessee.
- F. H. Fox -- Tulane University.
- G. R. Gerhard -- University of Kentucky.
- J. L. Guy -- University of Tennessee.
- W. H. Hall -- University of Kentucky.
- J. E. Hannum -- Alabama Polytechnic Institute.
- R. L. Harvin -- University of Louisville.
- H. G. Haynes -- The Citadel.
- R. D. Hawkins -- University of Kentucky.
- C. R. Hixon -- Alabama Polytechnic.
- C. K. Hoffman -- University of Kentucky.
- J. M. Houchens -- University of Louisville.
- W. G. Ireson -- Virginia Polytechnic.

L. H. Johnson -- University of Mississippi.  
 R. B. Knight -- University of Kentucky.  
 J. H. Lampe -- North Carolina State College.  
 L. J. Lassalle -- Louisiana State A & M.  
 S. C. Lawson -- University of Kentucky.  
 J. W. Le Maistro -- Industrial Research Institute, University of  
 Chatanooga.  
 F. J. Lewis -- Vanderbilt University.  
 J. W. Lindeau -- University of South Carolina.  
 E. E. Litkenhous -- Vanderbilt University.  
 H. N. Lyons -- Devco Reynolds Company - Louisville Ky.  
 J. L. McAuliffe -- University of Tennessee.  
 J. W. May -- American Air Filter Co - Louisville, Ky.  
 C. L. Mock -- University of Kentucky.  
 R. W. F. Morel -- University of Louisville.  
 R. A. Morogen -- University of Florida.  
 E. D. Myers -- Mississippi State.  
 D. M. McCain -- Mississippi State.  
 W. R. McIntosh -- University of Louisville.  
 H. P. Neal -- Mississippi State.  
 E. T. Noble -- University of Kentucky.  
 L. E. Nollau -- University of Kentucky.  
 E. B. Norris -- Virginia Polytechnic Institute.  
 H. G. Northrop -- University of Louisville.  
 A. M. Palmer -- National Research Council -- Washington  
 L. L. Patterson -- Mississippi State.  
 E. B. Penrod -- University of Kentucky.  
 R. S. Poor -- Alabama Polytechnic.  
 D. B. Prentice -- Rose Polytechnic.  
 Knight Pryor -- University of Louisville.  
 J. M. Roberts -- Tulane University.  
 H. A. Romanowitz -- University of Kentucky.  
 P. A. Rosselot -- George Tech.  
 J. H. Sams -- Clemson Agricultural College.  
 W. F. Savage -- University of Kentucky.  
 S. R. Schealer -- Vanderbilt University.  
 R. E. Shaver -- University of Kentucky.  
 E. G. Shelton -- University of Tennessee.  
 R. Q. Shotts -- University of Alabama.  
 J. H. Simester -- University of Louisville.  
 F. G. Slack -- Vanderbilt University.  
 R. R. Slaymaker -- Case School of Applied Science.  
 R. D. Spann -- Alabama Polytechnic Institute.  
 O. W. Stevenson Jr. -- Tulane University.  
 O. M. Stewart -- University of Kentucky.  
 G. P. Stocker -- University of Arkansas.  
 R. L. Sumwalt -- University of South Carolina.

R. B. Taylor -- T. V. A. Knoxville, Tenn  
E. A. Trively -- Clemson College.  
R. S. Trospen -- University of Louisville.

D. Verry -- University of Louisville.  
W. G. Van Note -- North Carolina.  
G. H. Van Os -- Tulane University.

M. Walker -- University of Louisville.  
J. Weil -- University of Florida.  
W. B. Wendt -- University of Louisville.  
W. N. White -- Tulane University.  
G. C. Williams -- University of Louisville.  
R. A. Williams -- University of Louisville.  
H. W. Wischmoyer -- University of Louisville.  
R. Witt Jr -- University of Kentucky.

LADIES VISITING THE S-E -- ASEE CONFERENCE  
IN LOUISVILLE KY.

Mrs. J. A. Ayors  
Mrs. B. Barnott,  
Mrs. D. H. Bennett.  
Mrs. E. A. Bureau  
Mrs. F. J. Cheeck  
Mrs. F. H. Fox.  
Mrs. R. C. Ernst.  
Mrs. J. M. Houchons  
Mrs. E. E. Litkenhous  
Mrs. R. D. Hawkins  
Mrs. W. R. McIntosh  
Mrs. R. W. F. Horol  
Mrs. M. G. Northrop  
Mrs. Knight Pryor  
Mrs. J. H. Robert  
Mrs. H. A. Romanowitz,  
Mrs. F. E. Warnock  
Mrs. W. N. White  
Mrs. G. C. Williams.