

147.a. Report of the Admissions Committee, September 22, 1960 Meeting. Mr. Dyer moved that the Executive Committee approve the recommendations for admission, transfer and rejections on member applications as made by the Admissions Committee in their report of their September 22 meeting. (Unanimously approved.)

147.b. Report of the Admissions Committee, October 20, 1960 Meeting. Mr. Dyer moved that the Executive Committee approve the recommendations for admission, transfer and rejections on member applications as made by the Admissions Committee in their report of their October 20, 1960 meeting. (Unanimously approved.)

147.c. Application Blanks for Joint Membership in IRE-AIEE. The Executive Secretary stated that whenever a member of AIEE requests an application blank to join IRE, he would be sent a blank on which there would be stamped the words, "I now hold the following grade of membership in the AIEE: (Please indicate grade)," "No References Necessary," and "Entrance Fee Waived, Reciprocal Arrangement." No other changes will be made.

148. Report of the Standards Coordinator. Standards Coordinator Fink presented his report, and the Executive Committee took action as indicated:

148.a. Revised Scope for Mobile Communications Systems Committee. For the information of the Executive Committee, the Standards Coordinator reported that the Executive Committee at its October 4, 1960 meeting (see minute 126.b., page 104) approved a suggested change of wording in the proposed revision of the Scope for the Mobile Communications Systems Committee, subject to the concurrence of the Standards Committee, and had instructed him to refer this matter back to that Committee and to report its decision to the Executive Committee at the November meeting. The revised wording was accepted by the Mobile Communications Systems Committee and the Standards Committee. A copy of the final approved version is made a part of these minutes, see page 133.

148.b. Appointment to Technical Committee on Reliability. Mr. Fink moved that the Executive Committee approve the appointment of Mr. Allan B. Oxley to the Technical Committee on Reliability for the term ending April 30, 1961. (Unanimously approved.)

148.c. Appointment to Technical Committee on Solid State Devices. Mr. Fink moved that the Executive Committee approve the appointment of Mr. R. H. Baker to the Technical Committee on Solid State Devices for the term ending April 30, 1961. (Unanimously approved.)

148.d. Appointment to Technical Committee on Symbols. Mr. Fink moved that the Executive Committee approve the appointment of Mr. Charles A. Fricke to the Technical Committee on Symbols for the term ending April 30, 1961. (Unanimously approved.)

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176.f. San Francisco State College, San Francisco, California.

A letter was received from the Chairman of the Engineering Department of San Francisco State College, San Francisco, California, expressing interest in the establishment of an IRE Student Branch at this school. The advice of the Executive Committee was requested as to whether this College qualifies as (1) "a school approved by the Executive Committee" or (2) "a school of recognized standing."

Mr. Pratt moved that the Executive Committee approve San Francisco State College, San Francisco, California, as "a school approved by the Executive Committee." (Unanimously approved.)

177. Report of the Standards Coordinator. Standards Coordinator Fink presented his report, and the Executive Committee took action as indicated:

177. a. Appointment to Technical Committee on Audio and Electroacoustics. Mr. Fink moved that the Executive Committee approve the appointment of Mr. Norman H. Crowhurst to the Technical Committee on Audio and Electroacoustics for the term ending April 30, 1961. (Unanimously approved.)

177. b. Appointment to Technical Committee on Measurements and Instrumentation. Mr. Fink moved that the Executive Committee approve the appointment of Mr. William G. Ansley to the Technical Committee on Measurements and Instrumentation for the term ending April 30, 1961. (Unanimously approved.)

177. c. Appointment to Technical Committee on Electron Tubes. It was noted that approval was requested for the appointment of Dr. W. Veith of Germany as a member of the Electron Tubes Committee for the term ending April 30, 1961. Dr. Veith is not an IRE member; however, in view of his wide knowledge in his respective field of interest, he would be able to make valuable contributions to the work of this committee and it was therefore requested that Dr. Veith be appointed as a non-IRE member.

Dr. Berkner moved that the Executive Committee approve the appointment of Dr. W. Veith of Germany as a member of the Electron Tubes Committee for the term ending April 30, 1961. (Unanimously approved.)

177. d. Appointments to the Joint AIEE-IRE Standards Committee. Mr. Fink moved that the Executive Committee approve the appointment of the following five individuals to the Joint AIEE-IRE Standards Committee together with the appointment to this Committee of the Standards Coordinator of the IRE Executive Committee, ex-officio, making a total delegation from the IRE of six members.

Mr. M. W. Baldwin, Jr., Chief of Delegation
Mr. J. G. Kreer, Jr.
Dr. R. L. Pritchard
Mr. P. A. Redhead
Mr. H. R. Terhune
Standards Coordinator of the IRE Executive Committee (Ex-Officio)

(Unanimously approved.)

Mr. Fink further moved that the above appointment of the IRE Standards Coordinator to the Joint AIEE-IRE Standards Committee be submitted to Mr. Scott Hill, AIEE Task Group Chairman, for consideration by the AIEE. (Unanimously approved.)

177. e. Reappointments to the ASA Graphic Standards Board.

Mr. Fink moved that the Executive Committee approve the reappointment of Mr. R. T. Haviland as representative and Mr. H. R. Terhune as alternate representative to the ASA Graphic Standards Board, for the term expiring December 31, 1962. (Unanimously approved.)

177. f. Information Items. The IRE Standards Committee approved the following Standards, copies of which were distributed to the Executive Committee at this meeting:

177. f. 1. IRE Standards on Video Techniques: Measurement of Resolution of Camera Systems, 1960 (60 IRE 23. S2)

177. f. 2. IRE Standards on Radio Transmitters: Definitions of Terms, 1960 (60 IRE 15. S1)

177. f. 3. IRE Standards on Electrostatographic Devices: Classification of Electrical Graphic Arts, 1960 (60 IRE 28. S2)

178. Inactive Technical Committees. (See minute 150, page 124, November 14, 1960 meeting of the Executive Committee.) It was the consensus of the Executive Committee that the following clarification of minute 150 of the November 14, 1960 Executive Committee meeting, with regard to inactive Technical Committees, should be entered into the minutes of this meeting.

"It is the intent of the Executive Committee to expand and strengthen Standards activities by the proposed review of activity among the Technical Committees, and further, it is this Committee's intent that the Standards Committee itself, in conjunction with the Standards Coordinator, shall be responsible for the study of the Technical Committees."

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179. Editorial Matters. Editor Hamburger presented his report, and the Executive Committee took action as indicated:

179.a. Student Quarterly. The selection of a possible replacement for Mr. T.A. Hunter as Editor of the Student Quarterly was discussed but no definite action was taken at this time.

179.b. Appointment of a Student Affairs Secretary. Editor Hamburger reported that at the meeting of the Editorial Board it was proposed that the possibility of employing a person to handle and coordinate Student affairs be placed before the Executive Committee for consideration.

Dr. Berkner moved that the Executive Committee approve the organization of Student affairs into a separate division of the IRE, administration to be assigned to a person to be designated as the Student Affairs Secretary, having equal rank with the Technical Secretary, and that the Executive Secretary be authorized to proceed to the consideration of candidates for the position of Student Affairs Secretary, but to discuss with the Executive Committee a proposed plan before taking action thereon. (Unanimously approved.)

179.c. Career Brochure. Editor Hamburger moved that the Executive Committee authorize the Executive Secretary to ship, out of stock, seven hundred and fifty copies of the brochure "Electronics, Career for the Future" to Dr. John D. Ryder for distribution to high school groups. (Unanimously approved.)

Due to the fact that sources approached for estimates regarding printing of additional copies of the career brochure requested additional time to adequately prepare sound estimates for presentation to the Executive Committee, the planned discussion of possible ways and means of future distribution of this brochure was postponed until the January meeting of the Executive Committee.

Completion of the Editor's report was suspended until after lunch, see minute 181.

180. Luncheon Recess. The meeting was recessed for luncheon at 12:00 Noon and was reconvened at 1:25 P. M. with all those present who attended the morning session present, with the addition of Dr. Weber.

181. Joint IRE-AIEE Standards Committee. Editor Hamburger reported that a statement concerning the relative positions of the Joint IRE-AIEE Standards Committee and the IRE Standards Committee will appear in the "Poles and Zeros" article in the February issue of PROCEEDINGS OF THE IRE.

Dr. Berkner moved that the Executive Committee approve the establishment of the new Geneva Section as specified in the petition. (Unanimously approved.)

With the establishment of this Section, IRE Sections now total 109 in number.

184. 1961 IRE International Convention. The Executive Secretary announced that Dr. Daniel E. Noble had been selected as Toastmaster of the 1961 IRE International Convention.

185. Appointment of Professional Groups Secretary. The growth of the IRE in numbers and activities, both nationally and internationally, brings with it an accompanying expansion in the activities of the Professional Groups. It was the consensus of the Executive Committee that it would be advisable to foresee the additional personnel which would be needed to meet these increasing demands and to take steps to provide for the establishment of such a position.

Dr. Berkner moved that the Executive Committee approve the organization of the Professional Groups into a separate division of the IRE, administration to be assigned to a person to be designated as the Professional Groups Secretary, having equal rank with the Technical Secretary, and that the Executive Secretary be authorized to proceed to the consideration of candidates for the position of Professional Groups Secretary, but to discuss with the Executive Committee a proposed plan before taking action thereon. (Unanimously approved.)

186. 984 Fifth Avenue. The Executive Secretary reported that space allocations had been made at 984 Fifth Avenue through the use of templates to insure adequate proportioning of work areas in relation to personnel and office equipment. He further noted that demolition was presently under way in 984 and progress reports would be submitted to the Executive Committee as the work advanced.

187. Joint Committee for the Evaluative Study of Graduate Educational Programs in Electrical Engineering. Dr. Weber presented a report prepared by the Professional Group on Education requesting IRE approval of the formation of a joint committee (with AIEE and ASEE) for the evaluative study of graduate educational programs in Electrical Engineering and incorporating plans for the implementation of such a committee. The broad objective of this study would be the consideration (from the viewpoint of both industry and the universities) of the characteristics and desirable goals of graduate education in Electrical Engineering. This report is made a part of these minutes, pages 149 and 150.

Dr. Weber moved that the Executive Committee approve the request of the Professional Group on Education for IRE approval of the formation of a joint committee (with AIEE and ASEE) for the evaluative study of graduate educational programs in Electrical Engineering: the study to encompass such topics as the characteristics of existing programs, the objectives desired in graduate Electrical Engineering education by industry and by the universities, the role of the various characterizing elements (e. g., location or activities and responsibilities of the student body) in achieving these objectives, and basic criteria for the faculty, the student body, the curriculum, and the course content. (Unanimously approved.)

188. Appointment of Standards Coordinator as Ex-Officio Representative to JCIC. (See minutes of the November 14, 1960 Executive Committee meeting, minute 149, page 123.) Mr. Fink moved that the Executive Committee approve the appointment of the Standards Coordinator as the IRE representative, ex-officio, to the Joint Committee for Inter-Society Coordination (JCIC). (Unanimously approved.)

189. IRE Participation in International Standardization Activities. For the information of the Executive Committee, Dr. Weber reported that the Board of Directors of EIA has approved a resolution for the establishment with IRE of a Joint Standards Advisory Committee in the field of international standardization activities similar to that approved by the IRE Board of Directors at their meeting of November 15, 1960. Further action regarding the appointments by the President to this committee, and the approval of the Executive Committee thereof, will be considered at the January meeting of the Executive Committee.

190. Meeting Schedule. Dr. Berkner moved that the Executive Committee recommend to the 1961 Board of Directors that they adopt the following meeting schedule:

1961 IRE Board of Directors Meeting Dates - 1961

January 4
May 10
October 18
November 15

1961 IRE Board of Directors Meeting Dates - 1962

January 10

(Unanimously approved.)

Report of the Professional Group on Education

The Professional Group on Education requests IRE approval of the formation of a joint committee (with AIEE and ASEE) for the evaluative study of graduate educational programs in Electrical Engineering: the study to encompass such topics as the characteristics of existing programs, the objectives desired in graduate E. E. education by industry and by the universities, the role of the various characterizing elements (e. g., location or activities and responsibilities of the student body) in achieving these objectives, and basic criteria for the faculty, the student body, the curriculum, and the course content.

Thus, the broad objective of the study is the consideration (from the viewpoint of both industry and the universities) of the characteristics and desirable goals of graduate education in Electrical Engineering.

Motivation For the Proposal.

In addition to the desirability of the broad objectives for both the universities and industry, the proposal is specifically motivated at this time by two factors:

(1) Recent attempts by representatives of the PGE, the Education Committee of AIEE, and the Electrical Division of ASEE to increase cooperation and coordination among the three groups in order to provide more effective media for professional discussion of concepts and problems pertinent to education and Electrical Engineering.

(2) Discussion within ASEE and ECPD of plans to consider evaluation of engineering graduate education on a broad basis. The representatives of the three groups mentioned above strongly believe that the E. E. profession should first consider graduate education within its own field, before a general study is made which considers all branches of engineering as an entity.

Plans For Implementation.

If the three societies approve, the committee will be organized with four representatives appointed by each participating society. In addition, an Advisory Committee of consultants (three appointed by each society) will be formed for general guidance of the committee.

In the initial planning, the representatives have felt that significant initial results could be expected within 18 months, particularly if foundation

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support can be obtained for the study. It would seem desirable to plan for presentation and discussion of the study at a national conference co-sponsored by the three organizations. There is no anticipation that financial support will be required from the sponsoring societies.

Personnel Involved in Initial Discussions.

The IRE-PGE has been represented throughout the initial discussions by George Moore (Westinghouse), Vice Chairman, and J.G. Truxal, Chairman; the ASEE - Electrical Division by Warren Boast, Chairman, and James Mulligan, Past Chairman; the AIEE Education Committee by Karl McEachron, Chairman, and W. Johnson, Vice - Chairman.