



# THE INSTITUTE OF RADIO ENGINEERS

INCORPORATED

1 EAST 79 STREET  
NEW YORK 21, N.Y.

LEHIGH 5-5100

February 5, 1962

Dear Section Chairman:

It is indeed a great privilege to serve as President of the IRE and to address this, my first official letter, to you. In it I want to report developments on the proposed consolidation of IRE and AIEE since Past President Berkner's October 20 and November 28 letters as well as his summary letter of December 28. Since year-end, these steps have been taken:

1. Additional two-man study committees have been appointed on Honors and Awards, Regional Structure, General Meetings and Financial Structure. These appointments are shown on Enclosure (A) to this letter which is a complete list of the Joint Committee on Consolidation, its four-man subcommittee and all the two-man study committees. All the two-man study committees were asked to prepare additional reviews and recommendations on their assigned subject by January 20.

2. The four-man subcommittee of the Joint Committee on Consolidation (Messrs. Haraden Pratt and I for IRE and President Warren Chase and Mr. Cullen Pearce, substituting for Dr. B. R. Teare, for AIEE) met as scheduled in early January. Our discussions during this all-day meeting concentrated primarily on details of the preliminary draft of the Constitution and Bylaws.

3. The Joint Committee on Consolidation met in Dallas throughout the day of Saturday, January 20. Mr. T. A. Hunter, IRE Vice-President for North America, joined us.

It was an exceedingly fruitful meeting during which we (1) reviewed all additional reports received from the two-man study committees, (2) reviewed a second draft of the Constitution and Bylaws, (3) agreed preliminarily on principles for consolidation, defining the fundamental bases for a consolidated society, and (4) approved a tentative schedule for submission of recommendations to the Boards of Directors of the IRE and AIEE and to the memberships of the two societies if the Boards approve these recommendations.

4. The Joint Committee individually reviewed the preliminary Principles of Consolidation after these were put in writing following the January 20 meeting and thereafter the draft of these Principles was sent to and discussed with each Director of IRE and AIEE.

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5. The Joint Committee met again in New York on January 31, approving the third draft of Constitution and Bylaws as well as the Principles for Consolidation being sent you herewith as Enclosure (B) so that you may review these in detail with your Section Executive Committee. I want to call your attention particularly to Principles IV, V and VI which were written to allow the greatest flexibility to Sections and to ensure that consolidation at the local level can proceed in accordance with the desires of a majority of a Section's members.

Our future plans are these:

1. To mail to every member of the IRE with the March issue of the PROCEEDINGS a separate pamphlet which will contain Past President Berkner's three letters, this letter, and the latest revision of the Principles for Consolidation. Thus, in early March all IRE members will receive full information on progress in the consideration of consolidation. If you have a Section publication, please call attention to this distribution - and do discuss the data provided in your Section as well as Executive Committee meetings. We are anxious to inform fully and in as much detail as practicable all members of the IRE of all our actions with respect to the proposed consolidation of IRE and AIEE. In this connection, the Joint Committee was invited and accepted assignments to discuss - as a panel - the proposed consolidation at general meetings of both AIEE and IRE.

The Technical Operating Department of the AIEE includes all of the functions performed by the Standards and Technical Committees for the IRE plus, to a great extent, the functions performed in IRE by the Professional Groups. On January 31 during the Winter General Meeting of the AIEE in New York City, the Forum of Technical Committee Chairmen session was turned over to the Joint Committee for discussion of the proposed consolidation. The discussion was a lively, stimulating one with many questions answered and with a full report given to the many hundreds of AIEE members present.

A similar panel discussion will be held from 10:30 a. m. to 12:30 p. m. in the Grand Ballroom of the Waldorf-Astoria on Monday, March 26, during the Annual Convention of the IRE in New York City. I hope that every IRE member who finds it possible will, first of all, attend the Convention, and, particularly, this meeting. There will be ample time for a question-and-answer period, and it is hoped that the pros and cons will thus be fully discussed. It is presently planned that information developed in this panel discussion over and beyond that already sent to the members will be excerpted and transmitted along with the ballot.

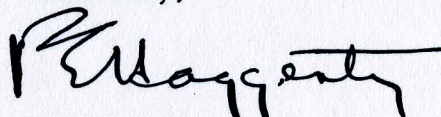
2. On March 8 and 9, the Board of Directors of IRE and the Board of Directors of AIEE will meet separately in New York City to discuss the details of possible consolidation. If in these meetings both Boards vote



favorably for consolidation, then the question of consolidation will be submitted to the membership of the two societies about April 1. Members will have about 60 days to consider the question and vote with the ballots to be tallied approximately June 1.

Nearly every Section has responded to Past President Berkner's previous requests for comments and suggestions. Most of these comments have been overwhelmingly favorable, but as Past President Berkner indicated in his letter of December 28, many members raised questions with respect to possible negatives that required clarification. Most of these, it seems to me, are answered satisfactorily in the Principles of Consolidation enclosed, but I solicit your further comments and criticisms. These will be especially useful now that our Board of Directors must prepare to give its final consideration to the possibility of consolidation.

Sincerely,



P. E. Haggerty  
President

Enclosure (A) List of Joint Committee for Consolidation  
and two-man study committees

Enclosure (B) Draft of Principles for Consolidation

P. S. I wish it were possible for each of you to have the privilege of serving as a member of the Joint Committee for Consolidation. Not only has the assignment been indescribably time-consuming for each of the seven members with whom I serve, but the contribution of each of them has been magnificent, selfless and has consistently manifested a high level of statesmanship motivated by a deep concern for evolving a new society better able to serve each individual member of our profession. Any limitations you discern in our work to date derive not from undue zeal for either the IRE or the AIEE as they now exist, but from our inability to present and express properly our desire that the new society (if, indeed, it is the decision of our Boards and members that there be a new society) be truly better able to serve all of us.

cc: IRE Board of Directors  
AIEE Board of Directors  
IRE Professional Group Chairmen  
IRE Representatives  
Dr. G. W. Bailey, Executive Secretary, IRE  
Dr. N. S. Hibshman, Executive Secretary, AIEE  
Mr. John E. Tobin, Legal Counsel, IRE  
Mr. Simon Presant, Legal Counsel, AIEE



Joint Committee for IRE and AIEE Consolidation Consideration  
and  
Two-Man Study Committees

Joint Committee for Consolidation

IRE

Haraden Pratt \*

L. V. Berkner  
Graduate Research Center  
of the Southwest

Ronald L. McFarlan

P. E. Haggerty \*  
Texas Instruments Incorporated

AIEE

Warren H. Chase \*  
Ohio Bell Telephone Company

B. R. Teare \*  
Carnegie Institute of Technology

Elgin Robertson, Sr.  
Elgin B. Robertson, Inc.

C. H. Linder  
General Electric Company

\* Members of Four-Man Subcommittee  
of Joint Committee for Consolidation.

Two-Man Study Committees

Assets, Resources and Finances

Stuart L. Bailey  
Jansky and Bailey, Inc.

H. I. Romnes  
Western Electric Company

J. Harold Moore  
Western Electric Company

Editorial Policy and Publications

Ferdinand Hamburger, Jr.  
Johns Hopkins University

Morris D. Hooven  
Public Service Electric & Gas Company



Two-Man Study Committees - Continued  
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IRE

AIEE

Extra Society Relationships

Ronald L. McFarlan

T. M. Linville  
General Electric Company

International Activities

Ronald L. McFarlan

Harold S. Osborne

Merging of Professional Groups and Technical Committees

Ernst Weber  
Polytechnic Institute of Brooklyn

Hendley Blackmon  
Westinghouse Electric Corp.

Relations to Standardization

Ernst Weber  
Polytechnic Institute of Brooklyn

C. G. Veinott  
Reliance Electric & Engineering  
Company

Merging of Sections: Finances, Geographical Boundaries, Sectional Publications

G. K. Teal  
Texas Instruments Incorporated

Walter Scholz  
Philadelphia Electric Company

Personnel

Donald G. Fink  
Philco Corporation

C. F. Savage  
General Electric Company

Student Branches

J. D. Ryder  
Michigan State University

R. T. Weil, Jr.  
Manhattan College

Honors and Awards\*\*

Gordon S. Brown  
Massachusetts Institute of Technology

Walter R. Harris



IRE

AIEE

General Meetings\*\*

William G. Shepherd  
University of Minnesota

C. T. Hatcher  
Consolidated Edison Company of  
New York

Financial Structure\*\*

Stuart L. Bailey  
Jansky & Bailey, Inc.

W. R. Clark  
Leeds & Northrup Company

\*\* Additional Committees and Appointments  
since November 28, 1961.



for the

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

(A Consolidation of the IRE and the AIEE)

Revisions through January 31, 1962

These Principles of Consolidation were approved by the AIEE Board of Directors at their meeting on February 2 with the request, however, that further consideration be given to modification of a few points. Discussions are continuing. The IRE Board of Directors will meet on March 8 for review and consideration of approval of these Principles of Consolidation.

PREAMBLE

To promote the aims and purposes of the AIEE and the IRE, to improve the services enjoyed by their members and to increase the benefits accruing to the general public from their operations, these membership organizations have undertaken studies directed towards consolidation into a single society. The general form and organization of this proposed consolidation are stated in the following "Principles of Consolidation."

I. The 78-year old corporate entity of the AIEE will be retained and the corporate entity of IRE will be merged into AIEE, with a new name for the consolidated society, the Institute of Electrical and Electronics Engineers.

II. a. The grades of IEEE membership shall be:

- (1) Honorary Member
- (2) Fellow
- (3) Senior Member
- (4) Member
- (5) Associate
- (6) Student
- (7) Life member



- b. Qualifications, rights and privileges of membership to be as they are now for equivalent grades in our two societies. Present members of either Society to have the grade of membership in the IEEE equivalent to the highest grade of membership they hold in either of the present societies, i. e., IRE Senior Members become Senior Members of the IEEE, IRE Members become members of the IEEE, etc. AIEE Members become Senior Members of the IEEE, AIEE Associate Members become Members of the IEEE, etc.
- c. Years of service in either AIEE or IRE in any membership grade shall transfer as equivalent years of service in the IEEE.
- d. Since the IEEE will be a considerably larger society than either the AIEE or the IRE, it ought, after a relatively limited period of time, to be able to provide the requisite services to its membership with at least as high a level of effectiveness as either society and since both IRE and AIEE have managed to remain financially sound with their present dues structures, the IEEE will establish a dues structure for each grade of membership based upon the lower of the two rates charged by either of the present societies for that grade of membership. In general, this means that the entrance fees for all membership grades shall be \$3.00 except that there shall be no entrance fee for the Student grade, and the annual dues shall be \$10.00 for the first three years of IEEE membership in any grade other than Student, and \$15.00 for each succeeding year. The annual dues for Student grade shall be \$5.00.



- III. It is intended that the IEEE will include the following member groups:
- a. Geographical
    - (1) Regions
    - (2) Districts
    - (3) Sections
    - (4) Professional Technical Group Chapters
    - (5) Student Branches
  - b. Fields of Interest
    - (1) Professional Technical Groups
    - (2) Technical Committees
- IV. a. Since the scientific, literary and educational purposes of the IEEE are not limited by national boundaries, the IEEE shall be of international scope, or more specifically, a non-national organization. Because the preponderance of the membership of the IEEE is in North America, North America shall be divided into seven regions. Areas not otherwise specified shall be designated Region 8. Each Region shall be represented on the Board of Directors of the IEEE by a Director. Provision shall be made for additional Regions as the growth of the Society may require. Each Region shall have a Regional Committee headed by the Regional Director as Chairman.
- b. Regions may upon their instigation and with the approval of the Executive Committee sub-divide into two or more Districts. Where Districts exist, each shall have a District Committee headed



by a District Chairman who shall be a voting member of the Regional Committee.

- V. Every existing Section (including their Subsections) of IRE or AIEE shall become in its entirety an equivalent Section of the IEEE upon its formation. When, as a result, two Sections exist in the same city or geographic area, the members of such Sections shall have the following courses of action open to them:
- a. They may begin consolidation into a single Section immediately upon the establishment of the IEEE.
  - b. They may continue as separate Sections until the date set for installation of new Section officers and committees and consolidate into a single Section at that time.
  - c. Although under most circumstances it will be to the advantage of the membership of these dual Sections to proceed toward consolidation into a single unit promptly, there will be circumstances which may make it desirable for such dual Sections to retain separate identities or to proceed toward consolidation more slowly. Such Sections, where they so desire, may continue as dual Sections with the provision, however, that each must then maintain a Voting Member on the other Section's Executive Committee.
  - d. Each Section shall be responsible for conducting its activities (including responsibility for all funds in the Section's custody) within the Constitution and Bylaws of the IEEE and any other



rules which may be externally imposed and by law affect the membership and activities of the IEEE, all as detailed in the Section Manual. On dissolution of any Section any remaining funds revert to the IEEE.

- e. One of the Standing Committees of the IEEE shall be the Sections Committee. Its Chairman shall be the Vice-President of the IEEE, elected by the membership.

- VI. a. A Professional Technical Group consists of a voluntary association of IEEE members (and nonmembers called "Affiliates") who are interested in seeing that their field or branch of scientific or technical endeavor is adequately covered by the IEEE's activities. While latitude is allowed as to a new Group's scope, the Group must be formed around some subject of mutual interest to its members. The subject may be broadly functional, such as science, engineering, management, education, industry, or manufacturing; or some narrowly restricted to some branch of research, design, materials, processes, measurement or production of components, assemblies, or systems; or the subject may fall in a "field of use" category, such as communication, electron optics, marine and aerial guidance, recording and reproduction, and so on.  
  
The Group system permits of the formation of the equivalent of a "society within a society" for those who feel that their specialized interests will thereby be more adequately cared for, and places



in their hands the machinery, experience, and publication channels of IEEE, making unnecessary the formation of a separate society.

The Group system also permits the development of IEEE as an integrated technical society with a wide variety of interests.

The desirability of forming a Professional Technical Group might first arise from a new development in the art and the initial steps of organization are then taken up by some enthusiastic individual,

In ordinary course, he would talk the matter over or communicate with one or more colleagues and would consider the field of interest of the prospective Group which he has in mind in relation to those which have already been organized. Experience has shown that the problems of scope can be resolved at a meeting of the promoter and his colleagues called to delineate the field of interest.

- b. Every present Professional Group of the IRE or Technical Group of the AIEE shall upon the establishment of the IEEE become a Professional Technical Group of the IEEE. Under the guidance of the Professional Technical Group Committee where such IEEE Professional Technical Groups call for overlapping areas of interest they may consolidate or otherwise redefine areas of interest to maximize service to their membership.

The relatively large number of Professional Technical Groups likely to result in the immediate future (35 to 40) may, to provide better coordination among groups and more responsive services to their members, make it desirable for the Professional Technical



Group Committee to organize a Professional Technical Group Operating Committee. The Chairman of the Professional Technical Group Committee would automatically become Chairman of the Professional Technical Group Operating Committee. Professional Technical Groups with similar interests would then be grouped into Divisions, each headed by a Sub-Chairman and each a member of the Professional Technical Group Operating Committee. A few possible Divisions are: Communications; Power and Industry; Controls, Computers and Instrumentation; Energy and Materials; Education and Management.

- c. The Chairman of the Professional Technical Group Committee shall be a Vice-President of the Society and a member of both the Board of Directors and the Executive Committee of IEEE.
- d. A Professional Technical Group Chapter may be established in a Section to function in the manner of a Committee of a Section.
- e. Such Professional Group Chapters of the IRE or Technical Group Chapters of the AIEE as exist at the time of establishment of the IEEE shall become Professional Technical Group Chapters of the IEEE.
- f. The complete Technical Operating Department committee structure of the AIEE and the complete Technical Committee structure of the IRE shall be transferred in toto to the IEEE. This entire structure taken over from both present societies shall fall under



the cognizance of the Technical Operating Committee of the IEEE.

- (1) Where appropriate Professional Technical Groups of the IEEE exist it shall be the responsibility of the Technical Operating Committee in cooperation with the pertinent Technical Committees of the previous AIEE TOD Committee structure to transfer to such Professional Technical Groups all functions of these committees having to do with the securing, publication and dissemination of technical papers, the sponsorship of technical meetings and any other appropriate functions.
- (2) Where a Professional Technical Group covering the appropriate technical area does not exist it shall be the responsibility of the Technical Operating Committee of the IEEE in collaboration with the appropriate committee or committees from the previous AIEE TOD structure and with the approval of the Executive Committee to encourage and aid in the establishment of new Professional Technical Groups, or to work with existing Professional Technical Groups to broaden their technical area of interest to encompass the appropriate functions of these committees.
- (3) Until such Professional Technical Groups are in active existence, the appropriate previous AIEE TOD Technical Committees shall continue their present functions in the selection and publication of papers, sponsorship of technical



meetings, and standardization activities in cooperation with the appropriate departments and committees.

- (4) Since all of these functions are already carried on by the Professional Groups in the IRE, no problems of transfer from previous IRE Technical Committees to Professional Technical Groups will exist. However, it also shall be the responsibility of the Technical Operating Committee of the IEEE to coordinate the complete structure of Technical Committees inherited from the AIEE and the IRE recommending to the Executive Committee of the IEEE redefinition of scope and/or consolidation where appropriate. The primary activity remaining within the scope of these committees will be in the standards area.

- g. The Standing Committees of IEEE shall be as follows:

|                    |                               |
|--------------------|-------------------------------|
| Awards             | International                 |
| Board of Examiners | Nominations and Appointments  |
| Editorial Board    | Professional Technical Groups |
| Education          | Student Branches              |
| Fellow             | Sections                      |
| Finance            | Technical Operating           |
| History            |                               |



- VII. All present AIEE or IRE Student Branches or Student Associate Branches whether existing singly or as joint AIEE/IRE Branches shall upon the establishment of IEEE become Student Branches or Student Associate Branches of the IEEE. Wherever this results in the establishment of two Branches, whether separate or joint in one geographical locality, the members may either (a) proceed toward immediate consolidation or (b) continue their separate or joint existence until their regular time for election of new officers and establishment of new committees at which time they shall consolidate into a single IEEE Branch.
- VIII. All committees and subcommittees, intersociety representatives, etc. of each the IRE and AIEE active at the time of the establishment of the IEEE and not otherwise discussed in these Principles of Consolidation shall continue in existence performing the duties previously assigned under the cognizance of the Executive Committee until specifically instructed by the Executive Committee on a change in their status or function.
- IX. a. Since Legal Counsel to both the AIEE and the IRE have established that under New York State Membership Corporation Law an Annual Assembly composed of Delegates selected by the voting members is ~~required~~, the IEEE shall have an Annual Assembly consisting of 10 Delegates-at-large elected by the voting members and 8 Regional Delegates elected respectively by the members residing in the 8 Regions of the IEEE, making a total of 18. The ten Delegates-at-large shall



comprise the President, the Senior Past President, the Junior Past President, the Vice President elected by the voting members, and 6 additional Delegates-at-large. All Delegates, whether Delegates-at-large or Regional, shall be elected Directors by virtue of their election as Delegates and shall serve terms as Directors concurrent with their terms as Delegates.

- b. The Annual Assembly of the IEEE shall meet in January each year and elect 7 additional Directors for the required term of office of one year. Four of these Directors shall also be elected Corporate Officers, respectively designated as a Vice President (who shall become Chairman of the Professional Technical Groups Committee), the Secretary, the Treasurer, and the Editor.

- X. The IEEE shall have as small a Board of Directors as practicable, meeting approximately 4 times each year and dealing in matters of policy and fundamental procedure only. Specifically, it shall consist of 10 Directors-at-large, elected by the voting members, 8 Regional Directors elected respectively by the members residing in the 8 Regions of the IEEE, and the 7 Directors elected by the Annual Assembly, making a total of 25.

- XI. a. The Board of Directors shall appoint a small Executive Committee composed of Directors and Officers meeting approximately 10 times per year which shall be responsible for the selection and supervision of the General Manager and his secretariat as well as the over-all



management of the IEEE acting through the General Manager on a month-to-month basis.

- b. The Executive Committee shall be responsible for the study of and recommendation to the Board of Directors of policy and fundamental procedure, but shall not be a policy-making body which function shall be reserved to the Board of Directors. All actions of the Executive Committee shall be subject to the approval of the Board of Directors.
- c. It shall consist of 9 members comprising the President, the Vice President elected by the voting members, the Vice President elected by the Annual Assembly, the Junior Past President, the Treasurer, the Secretary, the Editor and 2 other Directors.

XII. The detailed affairs of the IEEE shall be managed by a full-time paid secretariat headed by a General Manager selected and supervised by the Executive Committee. The secretariat shall be divided into departments corresponding to the departments of the IEEE each headed by an appropriately titled department head. The Executive Committee of the IEEE will require and allow the secretariat headed by the General Manager to manage the affairs of the Society within the framework of the policy and fundamental procedures established by the Board of Directors.



- XIII. Each Director and Officer of IRE and each Director and Officer of AIEE will, if both Boards and memberships vote favorably on the establishment of the IEEE, submit to the duly elected President of the IEEE his resignation effective at the will of the newly elected Board of Directors of the IEEE and upon the establishment of IEEE.
- XIV. a. The IEEE shall publish two monthly publications going to all members - one on the first; one on the fifteenth of each month. The first of these, named Electrical Engineering, shall contain tutorial papers of general technical interest, review papers, general abstracts, IEEE news and administrative information. It may contain advertising. The second publication shall be entitled Proceedings of the IEEE and shall contain original technical papers of the highest quality, letters to the Editor on technical subject matter, technical abstracts, etc. It may contain advertising.
- b. The IEEE shall also publish periodicals produced by the various Professional Technical Groups named Transactions on \_\_\_\_\_ where specialized technical papers shall be published. The Transactions are not intended to contain advertising. In accordance with



Principle V f. IEEE shall also publish periodicals sponsored by the Technical Committees taken over from the AIEE TOD until such functions have been fully absorbed by appropriate Professional Technical Groups.

- c. The IEEE shall publish a periodical named the IEEE Student Journal containing both technical material and news items of interest to students.
- d. The IEEE shall publish an Annual Directory containing lists of its members, lists of manufacturers, supplies and products. It may contain advertising.
- e. The IEEE shall issue such other special publications as convention and conference records, cumulative indices, standards, etc. when warranted.



- XV. a. There shall be held annually in New York City, probably in the early spring, a general meeting of the society in conjunction with a show to be designated as the IEEE International Convention and Electrical and Electronics Engineering Show.
- b. With attendance at the present IRE Convention and show running above 70,000, the IEEE convention and show with the technical material and displays broadened to appeal to the complete cross-section of membership of the IEEE an attendance approaching 100,000 can be anticipated within a few years. It is anticipated this may well require taking over additional space and facilities and the running of the convention and show simultaneously for five full days of the week.
- c. Another General Meeting of the IEEE shall be held annually, probably during the month of June, in conjunction with one of the Regional meetings or special technical conferences sponsored by the Professional Technical Groups. This General Meeting shall primarily be devoted to organization matters of the Sections, Districts, Regions and Standing Committees.
- d. Regional meetings shall be held on the approval of the Executive Committee for the presentation of technical papers approved by the Professional Technical Groups. Electrical and Electronics shows may be associated with these Regional meetings.
- e. Special technical conferences shall be held with the approval of



the Executive Committee upon the request of one or more Professional Technical Groups. These conferences shall be for the presentation of technical papers on a particular phase of the Society's technical activities.

XVI. Under the direction of the IEEE Awards Committee the honors and awards structure of both the AIEE and IRE shall be preserved in the IEEE. During the transition year where the cognizant committees of either the AIEE or IRE have determined on the prospective recipients of honors and awards for either of the two individual societies and these recommendations have met the approval of the Board of Directors of the respective society, then the IEEE will honor such a recommendation and issue the honor or award to the designated recipient as an IEEE honor or award.

XVII. If the respective Boards and memberships of the two societies vote favorably on consolidation, a 14 man committee, 7 men appointed by AIEE and 7 by IRE, and including all members of the present 8 man committee, will be formed. It will be the duty of this 14 man committee to select and employ the General Manager, to act as a Nominating Committee for all new Directors and Officers of the IEEE, to appoint any additional Nominating Committees as it may desire to assist in nominations required at all other levels, to prepare and approve the bylaws for the IEEE in accordance with the constitution and principles of consolidation approved by the two



Boards of Directors and the two memberships, and, generally, to prepare for and take all necessary steps to implement the establishment of the IEEE on 1 January 1963.

This committee will go out of existence immediately upon the first annual meeting of the Assembly of the IEEE.

XVIII. The management of IRE and AIEE shall retain full authority to operate their respective societies until 1 January 1963, but shall arrange whatever measures are necessary to provide full cooperation with the 14-man committee and to allow the 14-man committee to carry out its assigned functions.

XIX. It shall be the responsibility of the General Manager to reconcile the difference between the practices and policies of IRE and AIEE with respect to the full-time paid staff.