

MAR 12 1962

march 1962

the
institute
of
radio
engineers



Proceedings of the IRE

part II

SHOULD IRE and AIEE CONSOLIDATE?

It is imperative that you
read this before you vote



10.53.474

96

6.0

Dear **IRE** **M**ember:

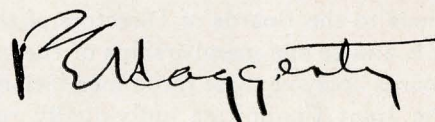
This pamphlet is designed to provide you a comprehensive report on the proposal to consolidate the IRE and the AIEE, and the activities engaged in by the Joint Committee on Consolidation appointed by the IRE and the AIEE Boards to develop recommendations thereon. It contains reprints of Past President Berkner's three letters of October 20, November 28, and December 28, 1961, to your Section Chairman, which were also published in the December, 1961, and January, and February, 1962, issues of the *Proceedings*. It also contains a letter which I similarly addressed to Section Chairmen on February 5. These letters, prepared every thirty days and published immediately thereafter in the *Proceedings*, represent, of course, our effort to inform IRE members as fully and promptly as possible about the discussions on consolidation. Even so, the complexity of the consideration—the protocol quite properly required when two large organizations such as IRE and AIEE consider a matter such as this which touches in a serious way the activities of both societies at the local and individual levels, and which occupies the detailed attention of all the Directors of both societies—has placed some limits on our ability to communicate as quickly and as fully with the Sections and individual members as we would like. With this inclusive pamphlet every IRE member and Section Chairman has all of the information available to date.

The Joint Committee on Consolidation has developed a set of "Principles for Consolidation," which it expects to present along with a recommended constitution and agreement for merger to separate meetings of the Boards of IRE and AIEE in early March. If the Boards vote favorably, the question of consolidation will be presented promptly to you and all other members of the IRE for consideration and vote. Because the principles define the fundamental bases for the consolidation, these, too, as recommended by the Joint Committee, are reprinted in this brochure. I urge you to study them with care and particular seriousness and to re-read the letters to Section Chairmen in the same manner. Thereafter, I hope you will call or write your Section Chairman to give him any comments or criticisms you may have, and that you will take part in discussions of consolidation in your Section. If you care to do so, write to me directly.

Lastly, there is reprinted most fittingly in the pamphlet excerpts from a letter which Dr. Alfred N. Goldsmith, our sole remaining Founder Member, addressed to Past President Berkner on December 21. All of us have deep respect for Dr. Goldsmith and his invaluable contributions to the Institute of Radio Engineers and to our profession.

Let me assure you that those of us given responsibility by the IRE Board to develop recommendations on the matter of the consolidation of the IRE and AIEE accepted the assignment with complete commitment to arriving at the answer best for our individual members. Let us have your comments. They will be most helpful.

Sincerely,



P. E. Haggerty
President

Letter from the President—IV

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 the IRE and the 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 the IRE, and President Warren Chase and Mr. Cullen Pearce, substituting for Dr. B. R. Teare, for the 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 the 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 were sent to and discussed with each Director of the IRE and AIEE.

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 of Consolidation being sent you herewith as Enclosure (B) [published separately on page 12—Ed.], 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 the IRE and the 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 the AIEE and the 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 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 informa-

tion 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 the IRE and the Board of Directors of the 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 for Organization 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

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 consistently has 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.

ENCLOSURE(A)

List

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 & Finances

Stuart Bailey
Jansky & Bailey, Inc.

H. I. Romnes
Western Electric Company
J. Harold Moore
Western Electric Company

Editorial Policy & Publications

Ferdinand Hamburger, Jr.
Johns Hopkins University

Morris D. Hooven
Public Service Electric & Gas
Company

Extra Society Relationships

Ronald L. McFarlan

T. M. Linville
General Electric Company

International Activities

Ronald L. McFarlan

Harold S. Osborne

† Additional Committees and Appointments since November 28, 1961.

Merging of Professional Groups and Technical Committees

Ernst Weber
Polytechnic Institute of
Brooklyn
Hendley Blackmon
Westinghouse Electric Company

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

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

Open Letter from the President—III

December 28, 1961

Dear Mr. Section Chairman:

This is my last general letter to the Sections concerning IRE affairs, relating principally to progress toward formal consideration of IRE-AIEE consolidation. My term as President will conclude at the year-end, and the affairs of the Institute will then continue in the able hands of Patrick E. Haggerty.

By mid-December, more than 75 of our 112 Sections, and dozens of individual members, had responded to my letter of October 20 on the proposed consolidation. The comments contained in these responses have been invaluable to your Officers and Directors in expressing the attitudes of the membership, and in inviting attention to many aspects of the Institute's affairs that could be improved in the consolidation. Some of these ideas are so useful that they will be considered by the Board for incorporation into our IRE Bylaws during the coming months.

The meeting of the Joint Committee on Consolidation of IRE and AIEE was held in New York on December 13 to study a first draft of a proposed constitution and bylaws for a consolidated society. These discussions were effective and no serious differences of view were encountered. Several points which required further study were defined and referred to appropriate groups or committees for advice. The discussions have proceeded on a note of high professional dedication and in an air of cordiality.

In light of this progress, the four-man executive committee of the Joint Committee (Haggerty, Chase, Pratt, and Teare) was instructed to proceed with proposals for interim measures that would be needed for the transition from the two separate institutes to the consolidated society. They will meet in New York on January 7 to prepare these proposals in light of the reports of the several two-man committees named in my last letter. At this time I would estimate that the time schedule specified in the resolution of our Board could be met.

It seems appropriate that I comment now on several general points raised in some of your letters in light of the discussions so far. I might add that these comments have been reviewed by President Chase of AIEE.

1) *Procedure*. Some members have felt that they could not comment on the proposal until the final constitution and bylaws were available for study. Certainly final commitment by each member will not be asked un-

til specific constitution and bylaws of a consolidated society are placed before the memberships by the two Boards for final vote. In the meantime, however, your Officers and Directors felt that their intent to enter into serious negotiations, and the frame of reference within which consolidation might be considered during such negotiations, should be made known to the membership without delay so that your attitudes might be taken into account. The general frame of reference for negotiations was spelled out in my letter of October 20, and the procedures in my letter of November 28, 1961.

2) *Publications*. Two sharp points of view have been expressed.

a) Nothing should be done to dilute the high technical effectiveness of the PROCEEDINGS OF THE IRE in any way since it is the foundation of our professional proficiency.

b) A tutorial journal of broad technical coverage with nonspecialized mathematical treatment is needed to keep members in touch with the full range of electrical and electronic developments.

Both points of view are being considered. We hope that one of the great benefits of consolidation will be to make both types of publication available to all members without increase of dues.

3) *Professional Groups*. Several questions have been raised concerning the future of the Professional Groups. Both institutes recognize the professional technical group as a major development in professional engineering organization. The professional technical group represents a quasi-independent society of technical specialists organized under its own administrative committee with its own publication (the quarterly TRANSACTIONS produced with the aid of the parent society), its own membership (as a segment of the parent society), its own fees (with added subsidy of the parent society), its own national meetings, and its own local professional technical chapters (organized under the umbrella of the local Section of the parent society). The professional technical group represents the opportunity for specialists to develop their subject under the most favorable conditions and atmosphere, while at the same time maintaining broad contact with the full content of the profession. Thus the parent society offers opportunity for both breadth and depth to the profession. In consolidation, the total number of specialties would be increased, enlarging the number of professional groups, with each group organized around a center of interest and en-

thusiasm. With enlarged membership of groups, made possible by reduction of duplication between societies, funds available to each group should be substantially increased. Under consolidation, the enlarged Headquarters staff of the consolidated society could render even greater executive-secretarial services to each group. In recognition of the importance of the technical work of the professional technical groups, your Board will consider at the January meeting the appointment of the Chairman of the Professional Groups Committee as a Vice President of the Institute, to serve on our Executive Committee. Bylaws to effectuate this proposal have already been circulated.

4) *Non-national character.* Questions as to the international character of the new society have been raised. The new society, like the IRE, would be non-national in character (not national or polynational). I remind you that AIEE influence has spread substantially in sponsorship of professional activities in Mexico and Canada, and it has substantial membership in Europe. The word "American" will not be used in the title or constitution to define the activities of the consolidated society. Careful attention is being given to sectional and regional (or district) boundaries which in some cases may cross international boundaries to fuse natural geographic professional interests. At least two geographic regions, principally involving areas not in the U. S., are being considered on the basis of strong existing IRE and AIEE membership and professional activity.

5) *Conventions.* Concern has been expressed about the future of the IRE International Convention and Radio Engineering Show. A special study of convention activity is being undertaken so that the needs of the consolidated society could be met, at the same time avoiding the proliferation that duplication now encourages. Certainly the International Convention and Radio Engineering Show would be retained.

6) *Vitality.* There has been some fear expressed that the vitality of the IRE might be lost through lack of competition between the two institutes, or through consolidation of IRE with the older society.

Careful attention to this problem shows:

a) The AIEE is a vigorous society, of ever-broadening interests, which has continued to attract young members, and is steadily evolving toward greater strength.

b) The vigor of IRE arises out of its subject matter and organization, and not out of competition. "IRE was at the right place at the right time."

c) The subject materials of IRE and AIEE are migrating onto the same ground. Thus power, switching, transmission, wire communications are employing, to an ever increasing extent, the techniques familiar in IRE, and introducing new techniques useful to the field of IRE.

d) Competition between the societies dissipates our professional resources which could better be used for

subject penetration in depth, wastes time in duplicate meetings, confuses efforts toward standardization, divides the same subject between two independent groups and publications, compounds student uncertainty on graduation as to which group to join, and is creating an ever more unsolvable administrative problem for both societies.

Therefore your Board believes vitality can be gained, not lost, through a suitable consolidation of the two institutes.

7) *Size.* A few have expressed concern that the very size of the consolidated society might react to submerge the interests of the individual member. Without proper measures in organization, this danger certainly exists. At the outset, one must accept the fact that our profession is growing rapidly. Our IRE membership exceeded 96,000 at year-end, and will quite certainly exceed 100,000 by the 50th Anniversary in May. Thus, size is not a matter of choice since it is a function of the power of our profession in today's society. If IRE is to maintain its leadership, it must respond to the needs of the whole profession. Consequently, it must be organized to serve the individual member in spite of size. Consolidation simply advances the date of reaching a given size for the resultant society, a date that would soon be reached by IRE in any event. IRE has already demonstrated that the problem of size can be met by simple, decentralized organization, through the professional technical groups, and through well planned sectional activity. The rapid development of the local professional group chapters under the auspices of the Sections represents an ever-enlarged opportunity for the individual member in IRE affairs. We would anticipate that in the consolidated society the number of Sections would increase by 30 to 40, and the professional group chapters by perhaps as much as 1000.

8) *Organization.* In response to questions on organization, I believe there is full agreement on the basic organizational principles:

a) A small Board, no more than twenty-five or thirty, with both regional and broad technical interests represented.

b) Clear separation of policy and administration, with policy residing in the Board and full administrative responsibility residing in a strong Headquarters.

c) A small Executive Committee of the Board that meets very frequently, with each member an expert on, and in close touch with, some aspect of the administrative work of the Headquarters, representing a continual performance audit of the society. We might recall that individual members of IRE's Executive Committee now audit: Membership (Secretary); Finance (Treasurer); Professional Groups (Vice President suggested); World Affairs; Sectional Affairs; Student Affairs; Publications (Editor); Standards; etc. I have no doubt that a consolidated society would follow similar procedures.

In developing the subject of consolidation over the

past year, my own attitudes have evolved considerably. As one delves into the intricacies of the problems involved, what seemed earlier merely desirable now seems to me essential. The mechanical problems that earlier seemed insuperable now seem relatively easier to solve.

In your individual responses, you have helped the Officers and Directors mightily in their perspective and evaluation of the problems of consolidation. Every suggestion has been tabulated, evaluated and discussed in the development of our thinking.

As nearly as I can judge, almost the whole membership represented by the responses (certainly more than 85 per cent) would favor consolidation in a framework represented in my earlier letters. Therefore, I am optimistic that this may be brought about.

May I express to you personally my thanks for your vigorous activity in bringing qualified members into IRE. The rapid rise in membership (1000 a month) is a measure of your response. It is a recognition that to retain leadership, IRE must represent the whole profession. From the several sectional plans that have been outlined to me, I know that your continuing efforts will be most effective. Equal attention to raising membership grades

of properly qualified members, as described in my letter of November 20, will similarly strengthen our professional organization.

I know I speak the feeling of the membership when I express our gratitude to the administrative and editorial staff of our Headquarters under the leadership of George Bailey. To them, IRE is a dedication to an ideal from which incalculable strength derives for our profession. It is a pleasure to leave my chair with the warm friendships among the staff and the membership that my years with IRE have rewarded me.

In turning the reins of the Institute over to Pat Haggerty, I do so with confidence in his deep appreciation of IRE's ideals and objectives, and his intimate knowledge of its mechanisms. May I express to you, and to your officers and members, my own thanks for the high honor and the many courtesies you have rendered to Mrs. Berkner and me, for which we could never give adequate return.

Sincerely yours,
L. V. BERKNER
President

Open Letter from the President—II

November 28, 1961

Dear Mr. Section Chairman:

On October 20, 1961, I advised you of the important action of the Boards of IRE and AIEE toward consolidation of the two societies into a single Institute. The action toward consolidation is so important that I am writing to advise you of the progress being made.

Following the actions of the two Boards, the legal counsel of IRE advised me that the AIEE resolution was substantially identical to that of the IRE Board and I therefore declared the IRE resolution in force. Immediately thereafter the eight men appointed by the resolutions to the Joint Committee on Consolidation were notified. These members include Messrs. Warren H. Chase, Clarence Linder, Elgin Robertson, Sr. and Dr. B. R. Teare, Jr. for the AIEE, and Dr. P. E. Haggerty, Dr. Ronald McFarlan, Mr. Haraden Pratt and me for the IRE.

I designated President-Elect P. E. Haggerty as principal representative on the Committee to act for IRE.

Following these notifications, two-man study committees were appointed by Dr. Haggerty to study and develop guidelines on prime aspects of a consolidation plan, each member being notified by letter of his appointment. These committees were organized as follows:

Assets, Resources & Finances

Stuart Bailey (IRE)	J. Harold Moore, for H. I. Romnes (AIEE)
Jansky & Bailey, Incorporated	Western Electric Company

Editorial Policy & Publications

Ferdinand Hamburger, Jr. (IRE)	Morris D. Hooven (AIEE)
Johns Hopkins University	Public Service Electric & Gas Company

Extra Society Relationships

Ronald L. McFarlan (IRE)	T. M. Linville (AIEE)
Consulting Engineer	General Electric Company

International Activities

Ronald L. McFarlan (IRE)	To be appointed (AIEE)
Consulting Engineer	

Merging of Professional Groups and Technical Committees

Ernst Weber (IRE)	Hendley Blackmon (AIEE)
Polytechnic Institute of Brooklyn	Westinghouse Electric Corporation

Relations to Standardization

Ernst Weber (IRE)	C. G. Veinott (AIEE)
Polytechnic Institute of Brooklyn	Reliance Electric & Engineering Company

Merging of Sections: Finances, Geographical Boundaries, Sectional Publications

G. K. Teal (IRE)	Walter Scholz (AIEE)
Texas Instruments, Incorporated	Philadelphia Electric Company

Personnel

Donald G. Fink (IRE)	C. F. Savage (AIEE)
Philco Corporation	General Electric Company

Student Branches

Dean J. D. Ryder (IRE)
Michigan State University

R. T. Weil, Jr. (AIEE)
Manhattan College

Appointments are also being made for IRE and AIEE to two-man study committees on Honors and Awards and Regional Structure.

Under the direction of President-Elect Haggerty, a work book was prepared and provided to each member of the eight-man joint committee, which contained complete information on the principal subjects to be considered in effectuating consolidation. The principal features of this work book are contained in the following outline:

- I. Organization and Schedule to Prepare Draft
- II. Organizational Charts
- III. Comparative Alignment of Constitutions
- IV. Comparative Alignment of Bylaws (and Pertinent Constitutional Articles)
 - A. Membership
 1. Privileges
 2. Classes
 3. Admissions, Transfers, etc.
 4. Terminations
 - B. Membership Fees
 1. Entrance
 2. Transfer and Annual Dues
 3. Publication
 - C. Organization—Membership
 1. Districts/Regions
 2. Sections
 3. Professional Groups
 4. Student Branches
 5. Overseas Chapters
 - D. Organization—Management
 1. Nominations, Elections, Balloting
 2. Board of Directors
 3. Executive Committee
 4. Officers
 5. Standing Committees—General
Administrative
Technical
 - E. Meetings
 - F. Miscellaneous
 - G. Publications
- V. Statistical Data
- VI. Comparative Time Table
- VII. Two-Man Study Committee Recommendations.

By November 17, the initial reviews of most of the two-man study committees were completed and their reports distributed to all members of the eight-man joint committee for inclusion in the work books.

On the evening of November 16, and throughout the day of November 17, a four-man subcommittee met, composed of Mr. Chase and Dr. Teare for the AIEE and Mr. Pratt and Dr. Haggerty for the IRE. They were joined by Mr. Elgin Robertson, Sr., of the AIEE. The reports of the two-man study committees were reviewed in detail. Based on these reports and the consid-

erations and judgments of the joint subcommittee, Mr. Haraden Pratt was asked to prepare an initial constitution and bylaws draft for a combined society of AIEE and IRE. It will be his goal to have the initial constitution and bylaws draft in the hands of the eight-man joint committee for review by December 5, and he will additionally and simultaneously provide a copy to Mr. John Tobin, Attorney for the IRE, and Mr. Simon Presant, Attorney for the AIEE.

The full eight-man committee will meet in New York on December 13, 1961, for first consideration of the draft of the constitution and bylaws. At that time the replies of the Sections to my letter of October 20 will be given full consideration.

The plan of action of the committee is divided into two parts:

1. To produce a constitution and bylaws for the new society, drawing upon the best elements of the experience of each society, which would best serve the technical and professional requirements of the profession.
2. Following completion of the action of paragraph #1, the committee will make such modifications in the proposed constitution and bylaws as are necessary to effect a merger. This will involve inserting temporary clauses to be effective for a year or more in order to complete the consolidation.

Throughout these negotiations, I have been impressed by the statesmanlike approach of all members of the committee. The framework of the negotiations remains within the outline of my letter of October 20, 1961. There is no feeling that one society is trying to take over the other, but rather a genuine spirit of jointly creating a single new and stronger Institute out of the already strong roots of the two existing Institutes, thereby eliminating undesirable competition and combining resources to better serve and advance our rapidly evolving profession. In this, the central Headquarters of the two Institutes are giving their full cooperation. Mr. Chase, President of AIEE, and I are in constant communication and we continually exchange correspondence relating to the proposed consolidation.

I will continue to write frequently so that you can be fully and authoritatively informed, and prepared to answer any questions that may be raised in your Section. It would be most helpful if you could keep your membership fully informed so that incorrect rumors do not multiply. Likewise, I would be happy to receive further comments from your Section at any time.

Sincerely yours,
L. V. BERKNER
President

Open Letter from the President—I

October 20, 1961

Dear Mr. Section Chairman:

At its meeting on October 18, 1961, the IRE Board of Directors took action which makes possible future joint measures by IRE and AIEE aimed towards consolidation of their resources, membership and activities into a single new professional society dealing with the whole range of radio and electrical engineering and related professional interests. At its meeting on October 20, 1961, the Board of Directors of the AIEE took similar action. The action taken by the two Boards at this time is no more than a preliminary step toward the formulation of specific proposals on which each Board and the membership of each society must act subsequently in accordance with their statutes. Nevertheless, the proposal is now at a stage that the IRE Board desires the broadest possible discussion on the part of IRE membership. The Board has therefore instructed me to communicate with the Sections asking for their views after their careful consideration of the substantive effects of the proposal. The resolution of the Board is appended hereto.

Formation of a single professional radio and electrical engineering society through combination of IRE and AIEE is a matter of major international professional importance. I shall endeavor to outline the reasons that have led the IRE and AIEE Boards to join in discussions that open the potentiality of merger of the two societies into a single professional society in our field of technology. All related factors deserve the most mature consideration. But above all, the decision should be reached primarily on the judgment of that course of action that would lead the radio, electrical and electronic profession to develop in the most healthy and fruitful fashion.

The AIEE was founded as a New York corporation in 1884 to meet the professional needs represented in a growing power, telephone and telegraph industry. AIEE now has about 65,000 members, headquarters in the new Engineering Building in New York, and resources of about \$1.5 million.

As you well know, the IRE was founded as a New York corporation in 1912 to meet the professional needs represented in radio communications. IRE now has about 92,000 members, its own headquarters in New York and resources of about \$4.5 million.

Because of the basic evolution of each Institute to-

ward the broad methods of electronics, on which both societies are founded, there has been an increasing overlap of interest in the two societies. This overlap has been in evidence in a number of ways.

- 1) Between 5000 and 6000 engineers are members of both AIEE and IRE.
- 2) Some technical standards committees of the two societies deal with similar standards problems that have produced conflicts. This has led to establishment of joint AIEE-IRE standards committees. Both societies deal with overlapping standards in the international field through ASA and IEC.
- 3) Standards for admission in the two societies are generally equivalent and by agreement members in a given grade of one society are admitted, upon application, to the corresponding grade in the other without further examination.
- 4) AIEE and IRE have formed joint student branches at many universities and technical institutes to avoid the obvious conflicts of common interest that arise from similar student interests in the same university departments.
- 5) Both IRE and AIEE are members of the Engineers' Council for Professional Development (ECPD), where their interests are very similar. Moreover, the rapid evolution of training in radio, electrical and electronic engineering and in applied physics, in the universities and in industry, is toward an identical curriculum for members of the two societies.
- 6) There is a broad overlap of much of the material published by the two societies.
- 7) A large number of local and U. S. national meetings are jointly sponsored by IRE and AIEE. The two societies have a major problem in avoiding the duplication and unnecessary proliferation of meetings on similar subjects.
- 8) AIEE is evolving toward formation of technical groups, very similar in purpose to the Professional Groups of IRE. This evolution promises a great increase in the area of conflict and duplication between the two societies.

The administration of these joint activities is complex and necessarily incomplete and consuming of major time and effort of the profession. Equivalent time on positive professional programs would greatly strengthen the profession.

Moreover, the areas of conflict are steadily enlarging as the advance of electronics brings both societies ever more into the same areas of interest. Typical examples of the problems that could be avoided by synthesis of the two societies are mentioned below:

- 1) Under one society and one Editorial Board, the publications of the two societies could be tailored for much better coverage of our professional field. Members would have a wider choice of the type of publications individually desired.
- 2) Meetings in the whole field could be simplified and duplication automatically avoided. Attendance would be improved.
- 3) The danger of increasing overlap and conflict of the IRE's professional groups and AIEE's technical groups could be avoided. The whole field of professional specialized technical societies could be more rationally covered by 35 to 40 professional groups of the new society.
- 4) The administration of student sections would be simplified, and one publication, such as the IRE STUDENT QUARTERLY, would serve the combined student needs.
- 5) Sectional activities would be simplified, the strengths of small sections enhanced, and activities in professional group chapters would become more rational.
- 6) Standards activities would be simplified, and dangers of conflict entirely removed, especially in view of IRE's vigorous participation in international standardization.
- 7) The new society would enjoy the international character of IRE with its attendant advantages. Likewise, it would carry the mantle of a "founder" society brought to it by AIEE.
- 8) The combined headquarters staffs could provide a much broadened service to our membership, our section organization, our professional group structure, our regional, national and international meetings, our technical committees, and our publication structure through reduction in duplication.

The synthesis of the new society would create an international professional institute with a membership of more than 150,000, an annual budget of about \$6,000,000, and publications of great breadth and depth with wider opportunity for choice. The opportunities of its membership would be substantially increased within the new framework that is promised. The present office space controlled by IRE and AIEE appears sufficient to service the new institute, but with the elimination of obvious elements of duplication the service to the membership by the combined headquarters staffs would be substantially broadened.

Over the years there have been a number of joint

committees charged with exploring possible areas of mutual interest, beginning with the attempt (1922) to merge the two societies in which Dr. Alfred N. Goldsmith (Founder IRE) and Professor A. E. Kennelly (then Past President of the IRE and President of the AIEE) were active. In spite of their efforts, the attempt failed because of the then preoccupation of AIEE in nonradio activities. The most recent committee was established in 1960, with Donald G. Fink as Chairman for the IRE, which seriously discussed the possibility of merger.

The emergence of electronics in the broad sense has, since that time, brought the two societies into more intimate juxtaposition. Typical is the growing preoccupation of both societies in the fields of surface and satellite communications, automatic control, computer techniques, magnetohydrodynamics and plasma physics (with its promise of nonrotating and more efficient power generation), solid-state physics, information theory, instrumentation, and a host of other new technical developments which are of common concern to both. Only merger of the two societies can avoid an ever larger scale duplication, overlap, and conflict since the membership of the two societies draw their strength in ever greater measure from the same basic scientific elements and the same educational backgrounds.

Therefore, the future of the radio, electrical and electronic professions would appear to be greatly benefited by synthesis of the two societies into a single institute.

For these reasons, the two Boards have felt that thorough exploration of a possible merger would be in the best interests of our members and of the profession.

The steps in this exploration have been as follows:

1) In January, 1961, Junior Past President Ronald L. McFarlan, acting on my behalf, was invited to meet with the Board of AIEE in New York for discussion of mutual IRE-AIEE problems.

2) On March 20, 1961, the Board of IRE invited President Clarence Linder, AIEE, to join it at a luncheon where the mutual problems of IRE and AIEE and past history of attempts toward merger were discussed fully and frankly. At that meeting it became evident that while many mechanical problems of merger stood in the way, the professional interests of our membership should be the primary objective of closer cooperation.

3) At the Executive Committee meeting of April 27, 1961, I reported on a conversation which I had had with President-elect of AIEE Warren Chase, to explore IRE-AIEE cooperation. It was the consensus of the Executive Committee that I be authorized to appoint a suitable member of IRE to a committee, without limitations of scope, to discuss IRE-AIEE relations in conjunction with a suitably appointed delegate selected by AIEE. The Board of Directors of IRE, at their meeting the next day, April 28, concurred with the recommendation of the Executive Committee, whereupon I appointed Dr. Patrick E. Haggerty as the IRE representative to

that committee and the AIEE appointed Fellow Richard Teare.

4) Haggerty and Teare met in Pittsburgh, Pa., on May 21, 1961. During their discussion it became apparent that continued cooperation was becoming so complex to administer, and the danger of serious conflict was so rapidly increasing, that the possibilities of merger should be considered without delay. In the view of Haggerty and Teare the profession would be greatly strengthened by synthesis of AIEE and IRE into a single radio, electronic, and electrical engineering institute. They specifically recommended that Warren Chase and I appoint an *ad hoc* committee to explore this possibility more critically.

5) Upon this recommendation I acted to appoint P. E. Haggerty (now President-elect IRE) and Ron McFarlan (Junior Past President IRE) and Haraden Pratt (Secretary and Past President IRE), while President Warren Chase of AIEE appointed Clarence Linder (Junior Past President AIEE) and Richard Teare (Chairman AIEE Committee on Coordination). Chase and I served as *ex-officio* members.

6) This quasi-official Committee met in New York on September 13, 1961, to explore the problems of merger. The general recommendations were:

- a) That in spite of mechanical problems, the professional advantages outweighed these problems, and that the two Institutes should move actively toward merger into a new professional society.
- b) That the Committee should be voted authority by both Boards to draft statutes for a single society into which IRE and AIEE could be merged. These statutes could then be considered by the two Boards and, if satisfactory, referred to the membership of the two societies for adoption.

7) On October 18, 1961, and October 20, 1961, respectively, the IRE and AIEE Boards accepted the report. The Committee on formulation of plans for merger of AIEE and IRE into a single society has been activated with the membership shown in the resolution attached. Statutes and bylaws for eventual consideration by the Boards, publication and final action of the membership, will be drawn in the coming weeks.

As these plans have developed, I have consulted personally with many leaders and Section Chairmen of IRE. In the balance I have encountered a most favorable and enthusiastic response to the preliminary proposals. The feeling seems general that so much professional strength could be acquired by suitable action, that the mechanical problems should be appropriately solved in the interest of professional advantage.

I came away from the discussions of September 13 with the feeling that amalgamation could be accomplished without losing the vital aspects of IRE organization that have made it great. Both AIEE and IRE ne-

gotiators have approached the problem with a sense of statesmanship that would look to creation of a new institute having the best characteristics of both the IRE and the AIEE, at the same time dropping outmoded procedures. Both sides recognized that evolution of the profession requires changes from time to time that must be clearly foreseen, and undertaken promptly if the profession is to prosper.

I therefore ask you to discuss this whole matter in your next Section meeting, and advise me of your views before December 1, 1961, so that the drafting committee may have the benefit of your thinking.

Sincerely yours,
L. V. BERKNER
President

RESOLUTION

WHEREAS, the Board of Directors of the Institute of Radio Engineers and the Board of Directors of the American Institute of Electrical Engineers have concluded that the advancement of the theory and practice of electrical and radio engineering, and the educational and scientific objectives of both Institutes, may be better served by a merger or consolidation of the two Institutes into one organization in which all present members would be included, and in which they would enjoy the same rights and privileges now conferred upon them by their separate organizations, and it appearing that such consolidations would not affect the Institutes or their members, now therefore, be it

RESOLVED, that the Board of Directors of IRE deems it advisable, in accordance with the stated objectives of IRE, to move actively toward the consolidation of the activities and organization of IRE with those of the American Institute of Electrical Engineers (AIEE), by consolidation or otherwise, provided that the legal and operational problems incident to such consolidation can be satisfactorily resolved, and

FURTHER RESOLVED, that Lloyd V. Berkner, Patrick E. Haggerty, Ronald L. McFarlan, and Haraden Pratt, be and they hereby are appointed to join with Warren H. Chase, Clarence H. Linder, B. Richard Teare, Jr., and Elgin Robertson, when appointed by the Board of Directors of AIEE, as members of a committee, which shall be authorized and directed to undertake such studies as they shall deem necessary and appropriate to determine the feasibility, practicability and form of such consolidation, and to make a report thereon to the Boards of the two Institutes not later than February 15, 1962, with a view to submission to a vote of the memberships of the two Institutes, and consummation, if so approved, by January 1, 1963, and

FURTHER RESOLVED, that such committee shall be authorized to meet with the officers, directors and representatives of the two Institutes to consider the

proposed amalgamation of the two groups and to make available to such persons such documents and information relating to IRE as such committee deems advisable under the circumstances, and

FURTHER RESOLVED, that this committee be directed to prepare, in consultation with representatives of IRE and AIEE, a proposed constitution and bylaws and such other documents as counsel may recommend, with a view to submission thereof to the Boards of Directors of the two Institutes on or before February 15, 1962, and

FURTHER RESOLVED, that the proper officers

and directors of the Institute of Radio Engineers be and they hereby are authorized and directed to cause a copy of these resolutions to be delivered to the Board of Directors of the American Institute of Electrical Engineers, and

FURTHER RESOLVED, that these resolutions shall become effective as soon as the President of the Institute of Radio Engineers has been notified in form satisfactory to him and to counsel for the Institute of Radio Engineers that the Board of Directors of the American Institute of Electrical Engineers has adopted resolutions substantially to the effect of these presents.

ENCLOSURE (B)

PRINCIPLES OF CONSOLIDATION for the INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS*

(A Consolidation of the IRE and the AIEE)

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 the 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 subdivide 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 the IRE or the 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

non-members 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 Chair-

man 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

Board of Examiners Nominations and
Editorial Board Appointments

Education Professional Technical
Fellow Groups

Finance Student Branches

History Sections

International Technical Operating.

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

7. 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 10 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 four 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 ten 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 man-

aged 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 the IRE, and each Director and Officer of the 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 and 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, can anticipate an attendance approaching 100,000 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 the IRE shall be preserved in the IEEE. During the transition year, where the

cognizant committees of either the AIEE or the 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 the AIEE and 7 by the 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 January 1, 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 January 1, 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.

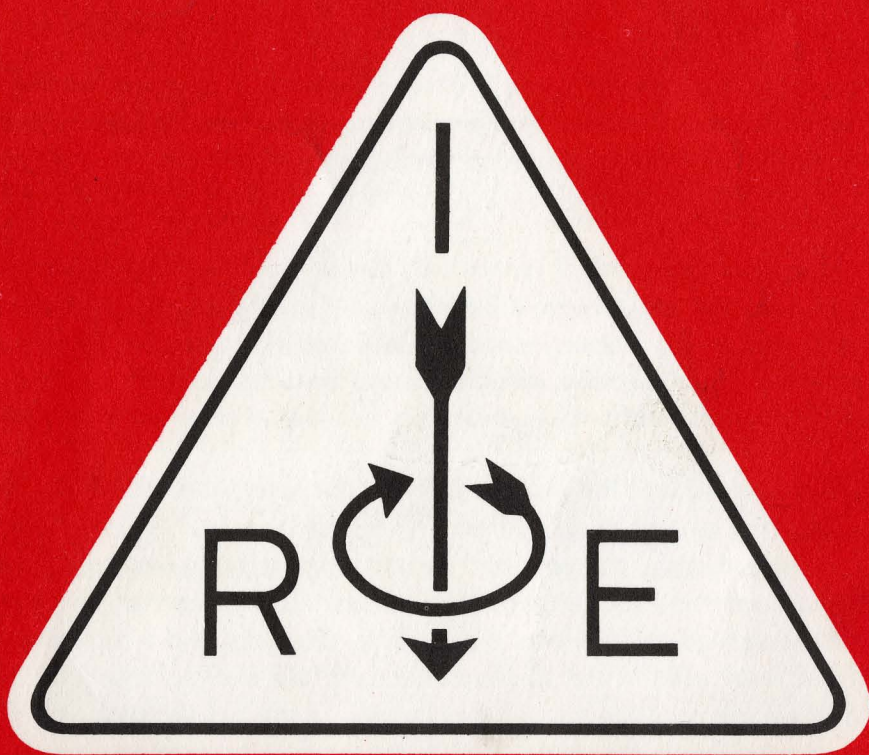
Excerpt from letter of December 21, 1961 to President Lloyd V. Berkner
from Dr. Alfred N. Goldsmith, IRE Founder

"May I thank you heartily for your thoughtful and analytical letter of December 15, 1961 relative to the proposed IRE-AIEE merger.

1898-1900
"In essence, as I felt in 1922 when I first proposed an AIEE-IRE merger to its then President, Professor A. E. Kennelly of Harvard University, the union of these societies would be justified primarily on professional and idealistic grounds. It is not fitting that a great profession should be split into segments with a certain degree of competition between them. And it is not suitable that science and technology should be fragmented through such multiplication of engineering-society effort.

"Fortunately, there is a second and potent reason why the merger should be approved. The new joint society would be a clearer spokesman, a better servant to its membership, a more effective source of published material, a more economic and efficient organism for the display of advancement in the art (through publication, exhibitions and conventions, and the like), and would in all known respects be more useful to its membership and would offer more to them.

"The objection has been raised that the pioneer spirit, great enterprise, administrative wisdom, and energy of the IRE might be lost or dissipated. This would be a real danger if the articles of merger were not well framed and if the new joint society were to fail to maintain the enthusiasm and dedicated cooperation of its membership. I feel we should be prepared to meet this objection by rather concrete suggestions. We want the stability, standing, and wide knowledge of the AIEE. But we must not lose, even in the slightest measure, the energy, vigor, originality, and creativity of the IRE. If we can combine these characteristics of the two societies we will truly have the greatest engineering society in the world. And by 'greatest' I do not mean merely largest—I mean most constructive and humanly valuable."



®