

NO. 3, JUNE 1965

ELECTRICAL ENGINEERING

NOMINATIONS FOR 1966 IEEE OFFICERS AND DIRECTORS ANNOUNCED

The IEEE Board of Directors announces that the following nominees for officers and directors (delegates) for 1966 will be placed on the ballot to be submitted to voting members by September 1, 1965:

President, 1966--William G. Shepherd
Vice President, 1966--Walter K. MacAdam
Delegates-at-Large/Directors-at-Large, 1966--
1968--Harold Chestnut, Edwin L. Harder,
Mark Shepherd, Jr., John G. Truxal
Regional Delegates/Regional Directors, 1966-
1967--
Region 1--L. G. Abraham, W. Crawford
Dunlap, Jerome Fox
Region 3--John A. Busha, R. G. Fellers
Region 5--Arlie E. Paige, Carl R. Wischmeyer
Region 7--Harry Hyde, Allan B. Oxley

According to Article XII, Section 3 of the IEEE Constitution, nominations by petition for any of these offices may be made by letter to the Board of Directors setting forth the name of the proposed candidate and the office for which the candidate is desired to be nominated, provided such letter is received at the general offices of the IEEE before noon on the Friday prior to August 15 (August 13, 1965). Such a petition shall be signed by at least one-third per cent of the total number of voting members as listed in the official membership records at the end of the previous year, but in no case shall the number be less than one hundred. Ballots will be mailed to members on or before September 1 and will be due back by October 22.

PLANNING STARTS FOR 1966 INTERNATIONAL CONVENTION AND EXHIBITION

The IEEE Board of Directors has announced that Donald G. Fink, IEEE General Manager, will assume the responsibilities of General Chairman of the 1966 IEEE International Convention. In making the announcement the Board also commended William J. Keyes for the outstanding way in which he conducted the 1965 Convention as its Chairman.

The 1966 Convention will be held March 21st through 25th at the New York Hilton Hotel and the Coliseum.

Commenting on plans for the 1966 Convention and Exhibition, Mr. Fink said: "We have already put into effect a number of innovations in format for the 1966 Convention. One noteworthy change concerns the Exhibition hours which will be 11:30 A.M. to 9:30 P.M. on Monday through Thursday of the Convention week. In addition, we have arranged to have all exhibits at the Coliseum and all Technical Sessions at the New York Hilton. We believe this arrangement will benefit all attendees since they will now be able to schedule their visits with a greater degree of flexibility heretofore unattainable."

Present plans for the 1966 IEEE Convention and Exhibition include five days of Technical Sessions as was done for the first time in 1965. Approximately 400 papers, covering breakthroughs in every area of electrical and electronics engineering will be presented in 80 Technical Sessions.

The CONVENTION RECORD will once again be available at the time of registration. This year, 1965, was the first time these volumes - containing papers presented at the Convention - were printed and ready for distribution at the start of the Convention. Their immediate availability met with such success that the idea will be continued and incorporated as a feature of the 1966 Convention.

Advance Call for Papers

Prospective authors are requested to submit the following information in quadruplicate by the deadline date of October 15, 1965:

1. A 50- to 100-word abstract with emphasis on the new significant contributions that warrant the inclusion of the paper in the International Convention program, with title, name of author, and author's address.

2. Either a 500-word summary or a complete manuscript (those Groups and Committees indicated in the following listing by an asterisk require complete manuscripts), with title, author's name, and author's address.

Papers shall not have been presented previously at a meeting of national or international scope.

The sessions for the 1966 Technical Program may

be organized by the following IEEE Groups and Committees:

Groups: Aerospace and Electronic Systems; Antennas and Propagation; Audio; *Automatic Control; Broadcast and Television Receivers; Broadcasting; Circuit Theory; *Communication Technology; *Computer; Education; Electrical Insulation; Electromagnetic Compatibility; Electron Devices; Engineering in Medicine and Biology; Engineering Management; Engineering Writing and Speech; Geoscience Electronics; Human Factors in Electronics; Industrial Electronics and Control Instrumentation; *Industry and General Applications; *Information Theory; Instrumentation and Measurement; Magnetics; Microwave Theory and Techniques; Nuclear Science; Parts, Materials and Packaging; *Power; Reliability; Sonics and Ultrasonics; Systems Science and Cybernetics; and Vehicular Communications.

Committees: *Basic Sciences, New Technical Activities, Research, and *Safety.

Authors may submit material to the 1966 International Convention Technical Program Chairman, P. K. McElroy, The Institute of Electrical and Electronics Engineers, Inc., 345 East 47 Street, New York, N. Y. 10017. Authors will be notified on December 1, 1965, of the acceptance of papers for the program. The complete text of accepted papers, including illustrations and charts, in a form suitable for reproduction, will be due at IEEE Headquarters by January 14, 1966, for inclusion in the International Convention Record, which will be available at the Convention. Detailed instructions and special typing paper will be distributed on December 1 or may be requested prior to that date from the Program Committee at the above address.

JOHN M. KINN NAMED TO NEWLY CREATED POST

John M. Kinn has been named to fill a newly created position responsible for staff activities in education and information in the IEEE. Mr. Kinn

was formerly Manager of Technical Information and Liaison Services on the corporate staff of International Business Machines Corporation.

Commenting on the appointment, IEEE General Manager Donald G. Fink said: "The explosive increase in technological innovation which has occurred in recent years has resulted in an equally explosive need for education and information on the part of our membership. The IEEE, in fulfilling its traditional role of leadership in the profession, intends to see that these needs are met through the creation of this new post. We are especially happy to be able to obtain the services of Mr. Kinn to fulfill this post in view of his varied background in engineering, technical publishing and industrial information activities."

MERGED GROUPS

As of July 1, 1965, G-10, G-11, G-24 and G-30 will merge and be designated as:

G-10 - Aerospace and Electronic Systems Group (G-AES)

Annual Fee - \$5.00

Scope - Equipment, procedures and techniques applicable to the organization, installation, and operation of functional systems designed to meet high performance requirements of earth and space systems.

As of July 1, 1965, G-21 and G-22 will merge and be designated as:

G-21 - Parts, Materials and Packaging Group (G-PMP)

Annual Fee - \$4.00

Scope - Consideration of physical properties, performance, characteristics and procedures, and techniques pertaining to component parts, materials and circuit packaging and manufacturing.

INTERPRETATION OF SECTION 501(c)(3) OF THE INTERNAL REVENUE CODE OF 1954.

With regard to the words "scientific, education and literary" as used in this Section, we are advised that "technical engineering" is included. Hence, it

is proper at both IEEE sponsored conferences and in IEEE publications to discuss the technical features of proprietary techniques or equipment. It is important that these discussions always be focused on technical aspects and not on commercial competition.

IEEE MEMBERSHIP DIRECTORY INQUIRIES ARE NOW IN THE MAIL

Questionnaire cards for the new IEEE Membership Directory have been mailed to all IEEE members. Please watch for yours, fill it out, and return it promptly to IEEE Headquarters.

The new directory will probably be available late this year. There will be a charge for it but the price has not yet been determined.

POLICY ON ELECTIONEERING

"Organized electioneering such as the publication of brochures or the holding of meetings for this purpose, is not permitted. IEEE members are requested to refrain from such activities and no funds of any IEEE organizational unit may be used in support of such activities."

POLICIES AND PRACTICES RELATING TO IEEE CONFERENCE PUBLICATIONS

Following approval by the Technical Activities Board and the Sections Committee, the Executive Committee has given final approval to the establishment of a Central Ordering System for conference publications.

No firm date has been set for the final discontinuance of contracts with outside vendors of such publications. However, all Sections and Groups are advised that, in view of the establishment of the Headquarters set-up, future contracts with outside vendors should not be made without express approval of the Executive Committee. Also, existing contracts with outside vendors should be listed, together with the pertinent details -- the conference publication involved, whether there is any continuing commitment to place with the outside vendor future editions of the particular conference record, etc.

The post conference distribution of publications resulting from conferences, solely sponsored by IEEE, shall be governed by the following procedures:

1. Conference publications containing full papers are to be uniformly titled "IEEE Conference Record." The blanks would provide space for the name of the particular conference, and it is recognized that in some cases the year should also be stated in the title.

2. Conferences are urged to handle all post-conference sales and inventory of Records, Digest and Preprints through IEEE Headquarters. In any event, 100 copies of each IEEE conference publication must be delivered to the IEEE warehouse upon publication to insure that all IEEE publications are

initially available from Headquarters.

3. The cost of such IEEE conference publications will be borne by the conference or sponsoring entity.

4. For each copy of a conference publication which it sells, Headquarters will deduct a standard service charge for storage, postage, and handling. The remainder of the income will be credited by Headquarters to the account of the sponsoring entity.

5. Headquarters will systematically notify members, libraries, and other potential subscribers by mail of the availability of new conference publications, as well as those in stock. These publications will also be announced periodically in SPECTRUM.

6. Before publication of Records, Digests and Preprints, covered by this policy, the respective conference must notify Headquarters on (a) the number of copies to be delivered to the IEEE warehouse for sale, (b) the title of the publication, and (c) the prices to be charged, including the service charge. The post-conference price to nonmembers must be greater than the price to members.

7. Every such publication resulting from a conference will be further identified by an IEEE catalog number printed on its front cover to be assigned in advance by Headquarters.

8. Every such conference publication shall be copyrighted by the IEEE with Headquarters assuming the responsibility for this action. It is understood that immediate consideration will be given by Headquarters to authors' requests for copyright release.

These procedures are suggested as guide lines for IEEE representatives to inter-society conference committees.

NEW IEEE JOURNAL IS DEVOTED TO LATEST ADVANCES IN QUANTUM ELECTRONICS

A new IEEE journal devoted to describing the latest advances in quantum electronics is being published. The new IEEE JOURNAL OF QUANTUM ELECTRONICS is comprehensive, publishing both regular articles as well as correspondence in the field.

F. K. Willenbrock, Editor of IEEE, described the need for such a journal: "It has become increasingly evident that the field of quantum electronics has grown to the point where it is one of the major driving forces in this era of modern electronics. One has only to look over past issues of the PROCEEDINGS OF THE IEEE among many other learned scientific journals to see the remarkable growth of papers and letters which are being published in this field. Quantum electronics certainly deserves the recognition it will now achieve through the publication of this new journal."

Editorial emphasis is placed on the physics of quantum electronic devices, such as masers and lasers, and associated techniques such as modula-



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

BOARD OF DIRECTORS, 1965

B. M. Oliver, <i>President</i>	Haraden Pratt, <i>Secretary</i>		
W. G. Shepherd, <i>Vice President</i>	Seymour Herwald, <i>Treasurer</i>		
Hendley Blackmon, <i>Vice President</i>	F. K. Willenbrock, <i>Editor</i>		
B. S. Angwin	J. D. Lebel	W. E. Peterson	George Sinclair
G. S. Brown	C. H. Linder	J. C. R. Punchard	B. R. Teare, Jr.
F. W. Bush	W. K. MacAdam	T. F. Rogers	Ernst Weber
L. C. Holmes	C. D. Morrill	J. B. Russell	Joseph Weil
T. F. Jones, Jr.	Hanzo Omi	Mark Shepherd, Jr.	C. R. Wischmeyer
F. H. Knapp		A. N. Goldsmith, <i>Director Emeritus</i>	
		E. B. Robertson, <i>Director Emeritus</i>	

ELECTRICAL ENGINEERING is published by IEEE Headquarters, 345 East 47 Street, New York, N. Y. 10017, for the benefit of officers of IEEE organizational units.

ELECTRICAL ENGINEERING is a registered trademark owned by The Institute of Electrical and Electronics Engineers, Inc.

tion, detection, and nonlinear optical effects.

The new IEEE JOURNAL OF QUANTUM ELECTRONICS is a monthly publication. Initial circulation will be free to the members of the IEEE Electron Devices and Microwave Theory and Techniques Groups, a selected list of others active in the field of quantum electronics, as well as to present subscribers to the TRANSACTIONS of these Groups. A subscription price will be charged starting with the July issue.

A distinguished advisory board has been assembled to provide editorial guidance for the journal. The board includes W. R. Bennett, Jr. of Yale University, N. Bloembergen of Harvard University, Benjamin Lax of the Lincoln Laboratory at the Massachusetts Institute of Technology, and A. L. Schalow of Stanford University. In addition, J. E. Thomas, Jr., of General Instruments Corporation and H. Heffner of Stanford University will be ex officio members of this board by virtue of their present positions as chairman and vice chairman of the Electron Devices Group.

Glen Wade of Cornell University and R. H. Kingston of the M. I. T. Lincoln Laboratory will be co-editors of the new journal. E. I. Gordon of Bell Telephone Laboratories and A. Yariv of the California Institute of Technology will be associate editors.

Publication of the new Journal is a jointly sponsored effort shared between the IEEE and its Electron Devices Group. It is available to IEEE members at \$5 per year, to public libraries and colleges at \$12.75, and to nonmembers at \$17. A special affiliate rate of \$9.50 per year is available to those who identify themselves as belonging to such societies as the member societies of the American Institute of Physics, the American Chemical Society, AICHE, and the Electrochemical Society.

DUTIES OF EXECUTIVE COMMITTEE COORDINATORS

It is deemed advisable that a member of the IEEE Executive Committee should be assigned as Coordinator for certain Standing Committees and Boards of the Institute. The Coordinator shall receive minutes of all meetings and information copies of correspondence to permit him to be thoroughly familiar with the role and current activities of the Committee or Board to which he has been assigned. He is not necessarily a member of the assigned Committee and is not expected to take part in its meetings or deliberations unless he is a member.

The Executive Committee will look to him for informed comment on proposals and recommendations made by the assigned Committee or Board to the Executive Committee. He will be available, for consultation, to the Chairman of the assigned Committee or Board. The Coordinator is not necessarily an advocate of the proposals and recommendations of his assigned Committee or Board, and will offer his opinion and cast his vote

as a member of the Executive Committee responsible to the Board of Directors. Reports and recommendations of Standing Committees and Boards should be addressed to the President, as Chairman of the Executive Committee, rather than to the Coordinator.

The Coordinators of the Standing Committees and Boards for 1965 are as follows:

Awards Coordinator - W. G. Shepherd
Awards Board - Una B. Lennon, Staff Secretary
Fellow Committee - E. L. Sirjane, Staff Secretary

Education Coordinator - G. Sinclair
Education Committee - L. D. Leonard, Staff Secretary

Finance Coordinator - S. W. Herwald
Finance Committee - W. J. Keyes, Staff Secretary

History Coordinator - H. Pratt
History Committee - N. S. Hibshman, Staff Secretary

Intersociety Relations Coordinator - C. H. Linder
Intersociety Relations Committee - L. G. Cumming, Staff Secretary

Membership Relations Coordinator - H. Pratt
Admission and Advancement Committee - E. L. Sirjane, Staff Secretary

Professional and Public Relations Coordinator - W. K. MacAdam
Professional Relations Committee - L. G. Cumming, Staff Secretary
Public Relations Committee - J. M. Kinn, Staff Secretary

Publications Coordinator - F. K. Willenbrock
Editorial Board - E. K. Gannett, Staff Secretary

Retirement Fund Coordinator - S. W. Herwald
Retirement Fund Planning Committee - N. S. Hibshman, Staff Secretary

Sections Coordinator - W. G. Shepherd
Membership and Transfers Committee - E. L. Sirjane, Staff Secretary
Sections Committee - E. L. Sirjane, Staff Secretary
Student Branches Committee - L. D. Leonard, Staff Secretary

Technical Activities Coordinator - H. Blackmon
Technical Activities Board - R. M. Emberson, Staff Secretary

In view of the nature of their work, no Coordinator has been appointed for the following Standing Committees: Life Member Fund Committee, Nominations and Appointments Committee, Tellers Committee.

REVISED PROCEDURE AND SCHEDULE FOR APPOINTING STANDING COMMITTEES AND BOARDS

1. To provide more timely appointment of Standing Committees and Boards, the IEEE Executive

Committee has adopted a revised schedule for nomination and appointment of Chairmen and members. All Committee and Board Chairmen, as well as Section and Group Chairmen wishing to make nominations, are urgently requested to conform to the following schedule. Nominations or recommendations received after the dates indicated cannot be assured of consideration by the Executive Committee or the Nominations and Appointments Committee.

2. To provide the widest opportunity for qualified members to serve on Standing Committees and Boards, the Executive Committee has established a rotation procedure. Members of the following Standing Committees and Boards shall be appointed for no longer than three consecutive years, with approximately one third of the members to be appointed each year:

Awards Board (B); Admission & Advancement Committee (E); Basic Sciences Committee (T); Editorial Board (B); Education Committee (E); Fellow Committee (B); Finance Committee (E); History Committee (E); Intersociety Relations Committee (B); Life Member Fund Committee (B); Membership & Transfers Committee (E); New Technical Activities Committee (T); Nominations & Appointments Committee (B); Professional Relations Committee (E); Public Relations Committee (E); Research Committee (T); Safety Committee (T); Sections Committee (E); Standards Committee (T); Student Branches Committee (E); Technical Activities Board (E); Tellers Committee (B)

(B) - Reports to Board of Directors
(E) - Reports to Executive Committee
(T) - Reports to Technical Activities Board

An outgoing Chairman may be appointed to membership for one year following his term of office as Chairman, irrespective of the duration of his prior service. A Chairman shall not be appointed to serve more than two consecutive terms as Chairman. Exceptions to these limitations will be considered by the Executive Committee or Board of Directors on the basis of the nominator's recommendation, provided that it is accompanied by a detailed statement of pertinent circumstances.

Appointments to the above-listed Standing Committees and Boards for the 1966 term shall be appointed approximately one-third for one-year terms, one-third for two years and one-third for three years. Nominators are invited to indicate, with the name of each nominee, the recommended term of office for one, two or three years.

The Executive Committee has prepared a set of Guidelines respecting qualifications for service on these Standing Committees and Boards, which appears near the end of this page.

Chairmen of Sections and Groups wishing to make nominations in behalf of their respective organizations are particularly reminded that the deadline for receipt of such nominations is September 15, 1965. This is - unfortunately but necessarily -

early in the fall season of Section and Group activities. Accordingly, Sections and Groups may wish to prepare nominations prior to the summer season.

The call for nominations will be issued July 15, 1965. Please be prepared to respond not later than September 15. If your summer schedule will make this difficult, you are urgently requested to submit your nominations before the summer season starts.

Schedule for IEEE Standing Committee and Board Appointments

July 15, 1965 - (1) Call for nominations issued to Section and Group Chairmen and Secretaries. Deadline date for submission: September 15, 1965.

(2) Chairmen of all Standing Committees and Boards requested to submit their recommendations for Chairmen and members by September 15, 1965. Proposed Committee and Board Chairmen to indicate willingness to serve, if appointed.

September 17, 1965 - Names of candidates for Chairmen of Committees and Boards reporting to the Executive Committee mailed to the Executive Committee.

October 5, 1965 - Executive Committee appoints Chairmen of these Committees and Boards.

October 8, 1965 - All nominations for Committee and Board appointments, as received from the Groups and Sections and from current Committee Chairmen, submitted to incoming Chairmen, with request that recommended Committee slate be submitted by October 22, 1965.

November 3, 1965)
December 1, 1965) - Members of Standing Committees and Boards reporting to the Executive Committee selected for recommendation to the 1966 Executive Committee.

November 4, 1965 - Nominations and Appointments Committee appointed by the Board.

November 5, 1965 - Names of candidates for Chairmen and members of Committees and Boards reporting to the Board of Directors, as submitted by Sections, Groups and Committee Chairmen, furnished to the Nominations and Appointments Committee.

December 21, 1965 - Report of Nominations and Appointments Committee mailed to the Board of Directors.

January 5, 1966 - Chairmen and members of Committees and Boards reporting to the Board appointed by the Board. Chairmen and members of Committees and Boards reporting to the Executive Committee appointed by the Executive Committee.

Guidelines for the Selection of Nominees for IEEE Committees

Since the normal term of membership, on those Standing Committees and Boards reporting to the

Executive Committee and Board of Directors, henceforth will not exceed three consecutive years, the opportunity for IEEE members to serve on these bodies will be considerably expanded. At the same time, it will be necessary to find qualified candidates in larger numbers than has been the case in the past. These notes have been prepared to assist Committee and Board Chairmen, as well as Sections, Groups and other IEEE organizational units, in recommending nominees.

The general qualifications for Committee service are not different from those in any position of responsibility and trust: competence, experience, willingness to take on the task, availability of time to participate, enthusiasm, and vigor. In the absence of such qualities, it is unwise to recommend a candidate merely as a reward for past service. In fact, if past service indicates that the candidate does not have the competence suitable to the task, he should not be proposed.

Competence implies knowledge and ability to serve creatively and actively, not merely passively. The tasks of the various Standing Committees and Boards are described in the IEEE Bylaws, and these should be consulted if the nominating body is not certain of the tasks to be performed. Two types of competence are involved, technical and administrative. Few candidates possess both in equal measure, but every nominee should be strong in at least one of these, depending on the task he will be called on to perform. The technical tasks require knowledge of one or more engineering or scientific fields, and the ability to make sound technical judgments. Administrative tasks involve the judgment of men and organizational operations, and the ability to develop appropriate Institute policies and objectives.

In judging candidates on the basis of experience, prior work in Institute affairs is, of course, important but should not outweigh ability. Since new blood must be brought into the Committee structure, equivalent experience outside the Institute (as in other organizations, or in connection with the candidate's professional employment) should be taken into account. In many cases a candidate, having no experience bearing specifically on the task, may be suitable if he is highly competent, since he will soon "learn the ropes."

Willingness to serve is, of course, essential. There is no rule against a nominee being consulted by the nominator to ascertain this. However, since candidates are proposed from many sources, the Executive Committee and Board may have more candidates than there are open positions. When consulting nominees, therefore, it should be made clear that he cannot be assured of appointment.

Availability of time to participate is, usually, an important consideration in the candidate's willingness to serve. Committee service is so vital to the welfare of the Institute, that most industrial, academic and governmental organizations recognize its importance and the comparatively small time required (compared with the working year) can be justified. A perfect attendance record at Commit-

tee meetings is seldom achieved, even by the Chairman. Moreover, specially gifted Committee workers can contribute far more ideas and wisdom in a few meetings than does the less able member who makes attendance a fetish.

Enthusiasm and vigor are, we believe, among the most important considerations. One of the troubles experienced by all professional societies is the tendency to populate committees with senior statesmen who, however distinguished, are out of touch with present challenges and opportunities. Electrical and Electronics Engineering is a fast-moving profession, and the Institute needs a continual infusion of new blood. Much of this must come from the younger men, although chronological age is not necessarily an indicator of a youthful attitude of mind, nor of current involvement in the affairs of the profession.

USE OF IEEE EMBLEM



The IEEE emblem is a collective mark owned by IEEE for the purpose of indicating membership in the IEEE. As owner of the mark IEEE must exercise control over its use. In order to assure the required control, IEEE Headquarters makes available to members membership pins which bear the mark. IEEE Headquarters also makes available to Sections, Groups and other IEEE organizational units letterheads, pennants and other similar materials bearing the emblem. Any form of use of the emblem by members, either as individuals or as IEEE organizational units, which is not supplied by the IEEE Headquarters must be submitted for approval and any form of use which has not received such approval shall be considered an unauthorized use of the emblem. The United States Patent Office has issued Registration No. 770,118 to IEEE for the emblem. When used by members either as individuals or as IEEE organizational units, the emblem must be displayed with R in a circle as shown above. This is required to give legal notice that the emblem has been registered by the IEEE.

POLICY ON APPROACHING GOVERNMENT AGENCIES FOR GRANTS OR CONTRACTS

The IEEE Executive Committee, at its meeting of March 20, passed the following motion:

"No organizational unit or individual member of IEEE acting in an IEEE capacity shall approach any Government agency for grants or contracts for operating activities without prior approval of the Executive Committee. Application by conference chairmen for travel grants are specifically excepted; these applications are approved by the General Manager."

CORRECTION

In the January 1965 issue of ELECTRICAL ENGINEERING on page 1, Dr. William G. Shepherd's affiliation was given incorrectly. His correct affiliation and address are as follows: Dr. William G. Shepherd, Vice-President, Academic Administration, University of Minnesota, 213 Morrill Hall, Minneapolis, Minn. 55455.

NO. 4 NOVEMBER 1965

ELECTRICAL ENGINEERING

APPROVED POLICY ON INITIATION OF CONFERENCES

At the Executive Committee meeting in October, the following policy was approved:

"Sections are established to serve all of the technical interests of IEEE members residing within specific geographical areas. In order to do this, Sections will sponsor conferences, symposia and meetings of technical interest to the Section members. In cases where a sufficient number of the Section members have a specialized interest to warrant the establishment of a Group Chapter, the needs of the members in that special field will ordinarily be satisfied by the organization of symposia, meetings and conferences by the Group Chapters.

"Groups are established to serve a segment of the IEEE membership interested in some identified and limited technical field without regard to geographical boundaries. Principal Group activities are the publication of TRANSACTIONS and the organization of symposia and conferences covering the field of interest of the Group. It shall be the general policy of IEEE that any symposium and conference on a technical subject within the particular scope of a Group, including those with and without exhibits, that are organized on a non-geographical basis, shall be limited to the province of the respective Group(s). A Section interested in a special symposium or conference, with or without exhibits, may invite the appropriate Group to sponsor or co-sponsor such a meeting in the Section. Similarly, a Group interested in holding a special symposium or conference, with or without exhibits, in the geographical area of a particular Section and immediately adjacent areas, may invite the appropriate Section to sponsor or co-sponsor such a meeting. In either case, the formal concurrence of both Section and Group in the arrangements must be sought and the result reported with the request for IEEE Executive Committee approval to hold the conference. In these instances, it will be appropriate to give the meeting full publicity and to make use of the Group membership lists for special mailings." (For related policy, see Policy Statement 2H in the Section Manual or the TAB Manual.)

PROPOSED POLICY ESTABLISHING THE BASIS FOR IEEE PARTICIPATION IN CONFERENCES JOINTLY WITH INDUSTRIAL ORGANIZATIONS

The following policy statement has been submitted to the Executive Committee for consideration:

"It is within the policy of IEEE to participate in technical conferences with industrial organizations where the circumstances surrounding such conferences provide reasonable assurance that IEEE participation will be advantageous to its attending members in advancing and broadening technical competence and experience, provided that the Institute or its participation is not identified directly or indirectly with a commercial purpose."

PROPOSED POLICIES REGARDING INDUSTRIAL MEETINGS OR FUNCTIONS HELD JOINTLY OR CONCURRENTLY WITH SIMILAR INSTITUTE ACTIVITIES

The following policy statements have been submitted to the Executive Committee for consideration:

"Industrial Seminars held Concurrently and in the Same City as IEEE Meetings. The Institute's success in fulfilling its responsibilities can be measured by its ability to successfully cope with competition for the interest and time of its membership. To fully meet the needs of its members and to conform with its basic objectives, IEEE must concentrate its attention in support of its own program. It will not be in its best interest to promote, advertise, formally announce or sponsor separate industry technical seminars or sessions running in competition with its own program. Recognizing, however, that many industrial programs have a genuine educational value to IEEE members, there may be situations where joint planning might reduce competition for time between the two kinds of meetings. For example, there may be instances where free time might be planned in an IEEE program allowing members the opportunity to participate in exhibit inspections or industry programs.

"Sponsorship by IEEE Technical Conferences with Other Organizations or Trade Associations. In most cases joint technical conferences in which IEEE participates will be those involving scientific, tech-

nical or educational institutions or associations, or government scientific or engineering bodies. In these situations it will be appropriate for IEEE, if it desires, to jointly sponsor the technical program. Program committees, etc. may consist of representatives of IEEE bodies as appropriate in addition to representatives of the other technical, scientific or educational or governmental sponsors of the conference.

"In a few meetings of national significance, IEEE and its predecessors have sponsored conferences jointly with trade or industrial associations. In these instances, however, IEEE should assume primary or preferably exclusive responsibility for the technical program. Technical sessions, seminar, panel discussions, etc., which IEEE sponsors in connection with such meetings should not be advertised or represented as being managed, offered or arranged by specific companies or agencies. As a matter of policy, however, there is no objection to technical sessions in which all papers are presented by engineers from the same companies or agencies if this seems desirable.

"IEEE Sponsorship of Banquets, Luncheons, etc. While financial support by industries of banquets, luncheons and other social functions in connection with IEEE meetings, is frequently carried out through such procedures as ticket sales and dignified advertising, joint managerial sponsorship of such functions by IEEE with specific companies or agencies is inappropriate in view of the Institute's function as an individual member professional society."

PROPOSED POLICY ON REGISTRATION OF ENGINEERS

The following policy statement has been submitted to the Executive Committee for consideration:

"IEEE is concerned with registration of engineers only from the standpoint of the protection which such registration may afford to the public. It is not concerned with enhancing the legal, economic, and public relations status of individual engineers.

For those of its members who are actively interested in these latter professional aspects of engineering and professional registration, the IEEE Board of Directors recommends that they also consider membership in professional organizations primarily concerned therewith.

"The Board of Directors of IEEE recognizes the need for legislation covering the offer of engineering services to the public when such practice directly involves the health, welfare, and safety of the public. In furtherance of this policy, the Institute of Electrical and Electronics Engineers, Incorporated:

"1. Offers advice and assistance to boards of engineering examiners and similar agencies;

"2. Approves the concept of uniform laws as being in the public interest;

"3. Recommends that in the requirements for the practice of engineering there shall be a minimum of restrictions of a legal nature in the functioning of qualified engineers;

"4. Recommends that each IEEE Section cooperate with boards of engineering registration or other appropriate agencies in the dissemination of educational information concerning registration;

"5. Recommends that, upon request, committees and IEEE members cooperate with appropriate agencies in the development of sound registration examinations which will adequately protect the public interest;

"6. Recommends that Sections consider sponsoring or cooperating with other groups in conducting educational refresher courses as preparation for registration examinations;

"7. Recommends that each Student Branch devote some time to the subject of professional development with special emphasis on the purpose of registration from the standpoint of protection of the public interest, the standards required for such protection, and the procedure in applying for registration;

"8. Recommends that the Professional Relations Committee provide educational information on registration of professional engineers to be published in IEEE periodicals at appropriate times."

PRICES FOR CONFERENCE PUBLICATIONS

As reported in the June issue of ELECTRICAL ENGINEERING, page 3, the IEEE has developed a central ordering system for conference publications and has established some general policies to facilitate its operation. Among the policies announced was the requirement that the post-conference price to nonmembers must be greater than the price to members.

For further guidance of conference planners, the Institute recommends that the nonmember price should normally be twice the member price. In special situations where the member price must of necessity be comparatively high, i. e., approaching \$10.00, it may be preferable to employ a smaller ratio than 2 to 1 in setting the nonmember price. However, it is requested that the ratio in no case be less than 1.5 to 1.

NEW IEEE AWARD

The Awards Board announces that a new award has been established - The IEEE AWARD in INTERNATIONAL COMMUNICATION in honor of Hernand and Sosthenes Behn. The award will be given for outstanding contributions in the field of international communication and will consist of a certificate and \$1,000. March 1, 1966 is the deadline date for receipt of nominations for this award. Nomination forms may be obtained by writing to the Secretary of the Awards Board at IEEE Headquarters, 345 East 47th Street, New York, N. Y. 10017.

IEEE FELLOW GRADE NOMINATIONS

Nominations of candidates for advancement to the IEEE Fellow Grade are invited. A Fellow Grade Nomination Kit is available from Miss Emily Sirjane, IEEE Staff Secretary of the Fellow Committee. Each kit consists of an FC-1 Form (Fellow Grade Nomination Form), five Reference Forms, five Reference Envelopes, and a Guide to Fellow Grade Nominations.

To be eligible for consideration, the completed FC-1 Form and five completed Fellow Grade Reference Forms must be received by the Fellow Committee on or before April 30, 1966.

Candidates previously considered, upon whom no favorable action was taken, will not be reconsidered unless a new completed FC-1 is received by the Fellow Committee on or before April 30, 1966.

Reference Forms submitted on behalf of a Fellow Grade candidate will be acceptable to the Fellow Committee for a period of three consecutive years, including the original year of submission, in the event the sponsor wishes to update and resubmit the Fellow Grade nomination.

TECHNICAL DISCUSSION GROUPS

At the August meeting of the Executive Committee, there were joint recommendations by the Sections Committee and TAB on Technical Discussion Groups. The recommendations, which take into account that the technical interests of all Technical Discussion Groups may be identified with the technical fields of existing IEEE Groups are as follows:

1. Appropriate Groups and Sections act jointly to persuade concerned Technical Discussion Group members to petition for Chapter status;

2. Rebates be discontinued at the end of calendar year 1965 for Technical Discussion Group activity; and

3. The Sections Committee carefully monitor the subsequent activities of the involved Sections and refer to the Executive Committee for relief any financial hardship cases resulting from the discontinuance of Technical Discussion Groups.

TECHNICAL COMMITTEE/STANDARDS

At the August meeting of the Executive Committee it was reported that TAB had formally resolved that all Technical Committee/Standards shall be merged into the Group structure as soon as possible but not later than December 31, 1966. It was the sense of the Executive Committee that this was desirable.

STANDARD FORMAT ADOPTED FOR CONFERENCE REPORTS

The Executive Committee has adopted a model final report format in order to obtain data from past conferences for use in detecting trends and projecting future IEEE conference activities. Known as the IEEE Conference Report Form, it is included in the TAB Manual as Guide Sheet 8, Appendix III-K.

The new form is to be used for each conference IEEE has sponsored since January 1963 as well as for all future conferences. For recent and future conferences, a final report is needed within three months after the event.

In those instances where a more detailed and elaborate report than required by the IEEE Conference Report Form is prepared, it will still be satisfactory if it covers all the points in the model. The headquarters staff will then transfer data to the report form desired by the Executive Committee.

INVESTMENT OF EXCESS SECTION FUNDS

Some IEEE Sections have excess cash on hand and have requested guidance from IEEE Headquarters on how to properly invest these funds. It is suggested that the Institute secure these funds from the Sections and invest them with the IEEE's own funds. A quarterly accounting would then be made to the Sections giving them full credit for any market changes in the securities and giving them a proportional distribution of the interest and dividend income. This service can be implemented on January 1, 1966.



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

BOARD OF DIRECTORS, 1965

B. M. Oliver, <i>President</i>	Haraden Pratt, <i>Secretary</i>		
W. G. Shepherd, <i>Vice President</i>	Seymour Herwald, <i>Treasurer</i>		
Hendley Blackmon, <i>Vice President</i>	F. K. Willenbrock, <i>Editor</i>		
B. S. Angwin	J. D. Lebel	W. E. Peterson	George Sinclair
G. S. Brown	C. H. Linder	J. C. R. Punchard	B. R. Teare, Jr.
F. W. Bush	W. K. MacAdam	T. F. Rogers	Ernst Weber
L. C. Holmes	C. D. Morrill	J. B. Russell	Joseph Weil
T. F. Jones, Jr.	Hanzo Omi	Mark Shepherd, Jr.	C. R. Wischmeyer
F. H. Knapp	A. N. Goldsmith, <i>Director Emeritus</i>	E. B. Robertson, <i>Director Emeritus</i>	

Donald G. Fink, *General Manager*

ELECTRICAL ENGINEERING is published by IEEE Headquarters, 345 East 47 Street, New York, N. Y. 10017, for the benefit of officers of IEEE organizational units.

ELECTRICAL ENGINEERING is a registered trademark owned by The Institute of Electrical and Electronics Engineers, Inc.

IEEE INTERNATIONAL CONVENTION NOTES

The following items are based on the September meeting of the 1966 International Convention Committee:

Change in Name of Convention. The Chairman announced that, on advice of legal counsel, the Board of Directors has amended the Bylaws to change the name of the Convention to IEEE INTERNATIONAL CONVENTION AND ELECTRICAL AND ELECTRONICS ENGINEERING EXHIBITION. All 1966 Convention publicity and literature is to be worded accordingly.

Convention Policies. The Chairman called attention to General Convention Policies which had been established over the years in connection with the conduct of Convention operations. Several of these Policy Statements follow:

Policy on Posting Signs. Signs not related to Convention activities shall not be posted in the hotel or exhibit areas of the Convention. It is necessary to enforce this ruling because (1) it is physically impossible to honor all requests received for the posting of such signs and (2) the multiplicity of IEEE Convention signs and non-Convention signs would be confusing to the registrants. Any exceptions to this ruling will be authorized by the Convention Chairman.

Distribution of Material During Convention. Many requests are received to distribute not only IEEE material but outside material at the various Convention desks and at the sessions. There will be no distribution of such material, including newspapers and periodicals, by any faction of the IEEE or non-IEEE body, at the hotel or exhibit area, without prior authorization of the Convention Chairman.

Recruitment Policy. The Board of Directors had adopted a definite policy which instructs officers, Convention Committees, IEEE Staff, and hotel and exposition managements to prevent recruitment activities in any areas under their supervision. The Policy, established by the Board of Directors on June 21, 1963, reads as follows:

"Conventions and their associated exhibitions are among the important ways IEEE seeks to carry out its objectives as a scientific and educational institution chartered in the public interest. Any attempt by members or others to use these occasions for private and commercial purposes is contrary to the Constitution, Bylaws and established policies of IEEE and is at all times to be actively discouraged and prevented. It is essential that members and employers of members of IEEE understand and respect this policy, and they are urgently requested to cooperate in its application.

"Such cooperation is particularly desirable in the elimination of organized, high pressure, recruiting of engineering personnel at the conventions and expositions of IEEE. The practices associated with such recruiting, including those listed below, are contrary to the scientific and educational purposes of IEEE, detrimental of the pursuit of those purposes, and demeaning to the professional

dignity of its conventions. Among such objectionable recruiting practices are the following:

- 1) Publishing, posting, or distributing advertising material announcing employment interviews, especially for those attending the convention.
- 2) Conducting public recruiting activities tending to divert attention from the business of the convention.
- 3) Offering and providing excessive hospitality and entertainment as a recruiting device.
- 4) Using display booths in the exposition or otherwise subverting the facilities of the convention for organized recruiting purposes.

"Officers, convention committees, staff of IEEE, and their hotel and exposition managements are instructed to prevent such practices in any areas under their control and supervision. Organizations, agencies, and individuals engaged in employment and personnel placement activities are requested to cooperate in the observance of this policy and so to void unwelcome intrusion on a professional meeting. Such cooperation will afford members of IEEE evidence of respect not only for the purpose of their organization and its meetings, but also for their personal dignity and integrity as professional men."

*Proposed Policy on IEEE Participation in Conferences with Industrial Organizations. It is within the policy of IEEE to participate in technical conferences with industrial organizations where the circumstances surrounding such conferences provide reasonable assurance that IEEE participation will be advantageous to its attending member in advancing and broadening technical competence and experience, provided that the Institute or its participation is not identified directly or indirectly with a commercial purpose.

*Pending Policy now under review by the TAB and Sections Committee, to be approved by the Executive Committee.

MEMBERS ENCOURAGED TO GIVE TECHNICAL PAPERS IN REGIONS OTHER THAN THEIR OWN

All members of IEEE who are traveling in Regions other than their own are requested by the IEEE Executive Committee to consider appearing at Section meetings in those Regions. They are particularly encouraged to present technical papers at such meetings.

IEEE Headquarters will be happy to cooperate in supplying the list of cities in which IEEE Sections are organized and to put any traveler in touch with the Section Chairman or Technical Program Chairman in any Section. IEEE can not pay the travel expenses in connection with such visits to Sections.

This request applies especially to United States and Canadian members traveling to Europe and other parts of the world and to members from Regions 8 and 9 who are traveling to the United States and Canada.