

ELECTRICAL ENGINEERING®

STOP-PRESS NEWS, particularly that generated by the IEEE Board of Directors (BofD), the Executive Committee (ExecCom), and other organizational units meeting Mar. 20-25, will be found on the last two pages of this E. E., inserted at last minute. Please bear with us if stories on some topics are divided fore and aft.

NEEDLES AND OPPORTUNITIES

NOMINEES FOR OFFICE, 1972. Following actions are now called for:

- 1) Regional Committees of odd-numbered Regions 1 to 9, by April 30, '71, present nominees for 1972 Delegate/Regional Directors. (Bylaws 201.3 313.4 401.8)
- 2) Groups and Societies in Technical Divisions 1 and 5, by Apr. 30, present nominees for Delegate/Divisional Directors. (Bylaws 201.2 310.2) (E. E. Feb. '71, p. 4F.)
- 3) Sections, Societies, Groups, other IEEE units, and individual members, before June 1, recommend members of 1972 standing committees and boards—not including BofD. (E. E. Feb., pp. 2 4A 4B)

MAJOR AWARDS nominations are due June 1. See Spectrum, Nov. '70, pp. 104-5; E. E. Dec., p. 2. (Information and forms, Una Lennon; specify the award, since forms differ.)

1971 CANDIDATES FOR FELLOW. Apr. 30 is deadline for receipt by Fellow Committee, of field nominations. See E. E. Dec., pp. 2 4A 4B. (Copies of material, kits, Emily Sirjane)

APRIL AND MAY ARE THE MONTHS to put the final zing into any unit effort, anticipating summer slowdown. June E. E. is too late to say this—June is too late for any real field planning for fall resumption. You begin to lose key men as soon as the kids get out of school. . . This reminder goes double if Aug. 1 will see a change of command in your unit.

MID-CAREER GUIDANCE—assisting those in mid-career (ages 35-50) to make decisions about the future—is a phrase we'll soon hear often. IEEE's function in it was explained by President Mulligan in Spectrum, Mar., p. 112. The planning and review conference he referred to there was held in Washington, Mar. 11-12, with objectives: 1) of making any of its substantive recommendations a guidance function of the Educational Activities Board (EAB), with working material disseminated through Regional Activities Board (RAB) to the Sections; 2) of making any substantive report available to appropriate agencies of the U. S. Government. It was concluded that a variety of programs on different levels is needed, ranging from the development of volunteer and professional counselors on a local level, the development of auto-instructional material, to coordination with existing local educational and community programs.

Earlier in March President Mulligan attended a working conference in Washington to discuss with the Science Adviser to the President (E. E. David, Jr., who was IEEE Director-at-Large, 1967-69) the problems due to unemployment of engineers and scientists. (Physicists and electronics engineers have been about equally hard hit.)

"ASSURING YOUR FUTURE" SEMINAR. A one-day, personal career, IEEE-sponsored seminar-for-fee, entitled "Assuring Your Future," was held at the conclusion of the Convention. Professionally presented, the topics were: 1) How can you determine whether your present position offers the stability and future advancement you want? 2) How can you select other fields into which you can direct your engineering skills and experience? 3) What steps should you take to "promote" yourself, either within your company or into new fields? 4) Should you start your own business, and how could you go about it with limited capital?

Whereas the free Counseling Workshop for the unemployed at the Convention was aimed at helping them get work, "Assuring Your Future" was directed to the employed and relatively secure engineer, to help him plan his future and show him how to compete in an economic environment completely different from that to which he is accustomed.

TOP-SIDE DEVELOPMENTS

SOME OF THE WEIGHTIER TOPICS facing IEEE were treated by President Mulligan in a report printed in Spectrum, Mar. '71, pp. 112-3. "Required collateral reading for recipients of E.E." To save space by avoiding repetition, our use of that material in this issue is confined to reports of subsequent developments.

CONCERN FOR MEMBERS' NEEDS. President Mulligan, reporting to ExecCom Feb. 19, emphasized BofD's concern for members' needs. The predicament of unemployed members is a case in point but not the only one. Our entire organization is called upon for action now. In indicating approval of a 10-point planning program of RAB, he asked for tests of some of the recommendations in selected Sections right away—prior to the RAB and BofD meetings in March; and indicated that "it is most

important that RAB concentrate on what can be done for the individual member."

(Readers will be struck by the fact that within the proximate past, Regional Directors have become no longer solely the able representatives of constituents but additionally operating executives subject to feeling the turning on of the heat!)

MEMBER PARTICIPATION IN NON-TECHNICAL AFFAIRS of an economic, societal, and political nature—brought to a controversial head in 1969 (Spectrum, Sept., p. 6) and culminating, so far as meetings and publications are concerned, in a BofD Statement of Policy (E.E. Feb. '70, pp. 2 4A) has, during the ensuing year, received ever increasing attention of individual members (see Forum correspondence in Spectrum), of organizational units, and of BofD (E.E. Aug. '71, pp. 1 2 4A; Oct., pp. 2 3; Dec., p. 3).

In E.E. Feb. '71, pp. 2 4I 4J, an agreement between IEEE and the National Society of Professional Engineers (NSPE) was reported, whereby socially-concerned IEEE members might avail themselves, for a fee paid to NSPE, of that association's participation in non-technical activities on a broad engineering-legislative front.

Further information, including schedules of fees and application forms, was given in Spectrum, Mar. '71, pp. 118 119 145. Subscriptions include not only legislative news and other printed material but also eligibility for the NSPE services named in the referenced article and ad, such as: employment referral service, salary surveys, and retirement programs. NSPE's services, for the most part, are limited to the United States, but any IEEE member, anywhere, may use the Spectrum coupons to receive NSPE publications.

NSPE, with headquarters in Washington, is geared for and experienced in conversing with legislators, testifying before legislative committees, and informing executive branches of the U. S. Government. For an account of NSPE's part in lobbying for the

Keogh Act on vested pensions, and for a reference to NSPE Employers Retirement Plans (Keogh and Pension), see D. G. Fink: Spectrum, Nov. '70, pp. 37-38.

NSPE is also organized to present engineering issues to legislators in many of the state capitals, where the organization is favorably recognized in connection with state licensing of professional engineers.

Since submittal of applications and payment of fees are personal between individual IEEE members and NSPE, IEEE will look to NSPE for statistics reflecting participation, as one indication of success of the arrangement. Favorable response will, of course, greatly strengthen NSPE's voice in representing electrical and electronics engineers.

YOUNG ENGINEERS. A committee of young professionals, visualized a year ago (E.E. Feb. '70, p. 2) as a body to advise BofD of ways IEEE can better serve its members during their first 5 or 10 career-years, has been in being since mid-1970 (E.E. Aug., p. 3). The name chosen: Committee on Professional Concerns of Young Engineers (COPCYE); the initial personnel (largely Ph. D. s in their early 30s); and COPCYE's objectives were outlined in Spectrum, Oct. '70, p. 21. The committee met Mar. 24, '71.

Spokesman for COPCYE is its secretary, Ralph W. Wyndrum, Jr. He and another member, David A. Hodges, were invited to attend Mar. 20 ExecCom meeting to discuss the committee's first report to BofD. Wyndrum also was a panelist at the Convention Highlight Session.

Young men nominated by COPCYE will be considered along with others variously submitted to Nomination & Appointments Committee (N&A) 1) for appointment to 1972 IEEE committees and boards, 2) for selection as observers at meetings of Educational Activities Board (EAB), Technical Activities Board (TAB), and Publications Board (PUB) in 1971.

BYLAWS, current, are those effective Jan. 6, 1971. (Copy, Emily Sirjane)

However, further changes were made by BofD Mar. 25, epitomized on p. 8.

BUDGETS. Control of the 1971 budget has been tightened by involving the Treasurer,

the BofD Coordinators of the various activities, and the Staff Directors, acting in concert. This group will also concern itself with early preparation of the 1972 budget.

The Finance Committee has transmitted to ExecCom its conclusion, after deliberation, that there is need for a major reduction of Institute services or the provision of substantial income through an increase in Institute dues or a change in the method of financing Group and Section operations.

ELECTIONEERING PROHIBITED. Following is quoted from Statements of Policy, as a reminder:

#20. 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. The use of funds of any IEEE entity for electioneering purposes for any office, including * * IEEE offices * * is strictly prohibited.

#11-A-2. Money on hand in the IEEE Sections and Groups is the property of IEEE. * * [Funds of] any IEEE Section and Group, wherever held, may not be used for * * (c) Electioneering of any kind for any IEEE Section or Group office.

Editors, please note: Some violations occurred in 1970 in Section publications and Group newsletters, perhaps due to absence of some such reminder as this in E.E., and in most cases explainable as "playing up" a unit member.

UNEMPLOYMENT

(See also other references in this issue)

A BILL BEFORE CONGRESS calls for maintaining and broadening science and technology in the public and private sectors heretofore occupied by military and space applications. The bill suggests large governmental expenditures "to redirect the vast reservoir of talent of our scientific and technical community to the deep, besetting problems of our nation," so that, through the process of conversion from defense to civilian work, "individual scientists, engineers, and

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technicians will be able to redirect their talents to resolving our pressing domestic problems."

Younger IEEE members in industry, government, and education, (such as those now finding their voice through COPCYE), are the ones most likely to pick up the implicit technologic challenge: To find in the problem-areas named—unemployment, crime, racism, pollution, nutrition, housing, health care, transportation, and education—electrical-electronic magnitudes of economic public-and private-sector interest akin to the now-phased-out concentrations in the military and space.

EASING THE PAYMENT OF DUES. The number of members availing themselves of the annual two-installments privilege (By-law 110.1) has increased, 1970 over 1969, and 1971 over 1970 to March.

So far as totals can be extrapolated from beginning-of-March figures, it is doubtful whether as many as 1,000 members will ask for half-dues in 1971 on account of unemployment (Bylaw 109.4). Disclosures from returns of the unemployment count being conducted by Spectrum (Mar., pp. 112-149) for the IEEE President will produce a more reliable figure on the incidence of unemployment.

LIBRARY ASSISTANCE. Engineers out of work keenly feel being suddenly cut off from access to company libraries. Borrowing books by mail is a poor substitute, perhaps, but every little bit helps.

Your IEEE membership entitles you to borrow books from the Engineering Societies Library (ESL), 345 East 47 St., New York N. Y. 10017. Write them, giving your IEEE-member's number; ask whether the book you want is available and if so to mail it with instructions for its return. There is a charge of 50¢ a week. Spectrum's book reviews help one keep in touch.

Incidentally, 1971 memberships, the Proceedings, and Group and Society Transactions are still available to unemployed members at half price (E.E. Feb., p. 1). Act before July 1 deadline.

LIFE INSURANCE HAVEN. It is reported that more than one unfortunate member,

out of a job and strapped to keep up his regular life policy, yet mindful of his exposure to hazard, has found a solution in low-cost IEEE group insurance (E.E. Feb., p. 8). Where the straight-life policies contain paid-up conversion privileges, these, of course, should be exercised.

Cases have also been reported of new members joining IEEE to resolve a similar quandary in lapsed insurance.

REPORT ON MANPOWER. In connection with the Highlight and Keynote sessions at the Convention, a special report was prepared by the staff summarizing what the Institute has done so far to help unemployed members. (Copy, Jack Kinn)

PUBLICATION NEWS

IEEE PRESS. (See E.E. Feb., p. 4.) Plans have rapidly materialized. . . ExecCom appointed Edward E. Grazda Editor. He becomes a member of the Publications Board (PUB). . . IEEE Press Editorial Board will be appointed by PUB. It will include members representing EAB, RAB, and TAB's Publications Committee. It will review for approval all book proposals; will generate ideas for books and may "organize" some. . . An organizer normally will be an IEEE Society or Group; each will recommend the book's editor. . . Book prices are to be established by IEEE Press in consultation with organizer. . . Income from sales would be applied first to recover producing, marketing, distributing costs. Initially, net surplus after costs would be divided between organizing unit (50%); the IEEE publication whose material is reprinted (30%); IEEE Press (20%); proportions reviewable annually. . . Any losses would be borne by IEEE Press, which reserves right to reject a proposal on grounds of estimate of loss; but organizer would then be offered conditional options looking to publication. . . Prospective titles to be published in 1971: Minicomputers, Digital Filters, Applications of High-Power Semiconductor Devices. (Information, Woody Gannett)

FEEDBACK ON IEEE BOOKS. Dave Dobson of IEEE Group on Aerospace & Electronic



GETTING AND HOLDING IEEE MEMBERS

Purpose of the Membership & Transfers Committee:

The IEEE Bylaws provide that the Membership and Transfers Committee shall plan and develop methods of extending the membership of IEEE and promoting transfers in grade to the end that all members shall occupy the highest grade for which they are qualified.

Committee Activities in 1970:

In 1970, the Membership and Transfers (M&T) Committee set a membership goal calling for each IEEE Section to realize a ten per cent net increase in membership during the calendar year. Several programs were undertaken to assist in achieving this high objective.

A slide presentation "Why M & T?" was extensively used during the year at Regional Committee meetings, Section Workshops and Section Executive Committee meetings to stress the importance of organizing and monitoring effective M&T programs at the Section level.

Regional Directors gave the support necessary to generate M&T activity at the "grass roots" since the success of the membership goal depended to a great extent upon the degree of local attention given it by the Section Chairman and those serving with him on the Section Executive Committee. In an organization the size of the IEEE, the person-to-person approach is vital not only in recruiting new members but in identifying and attempting to serve the special needs and interests of those who are already members by encouraging their involvement and interest in continuing association with the Institute. With the cooperation of the Regional Directors, a concentrated effort was made during the past year, through the Section, to re-interest former members in continuing their membership, and the subsequent substantial reduction in number of members in dues arrears can be traced to this direct communication with the members, which only the Sections can provide.

During the year members of the IEEE staff operated Member Services Desks at twenty major conferences sponsored or cosponsored by the IEEE; 575 membership applications and 656 applications for enrollment in the IEEE Groups and Societies were deposited. In addition, attention was given to 3,011 inquiries from members and prospective members during these conferences.

The results of the 1970 M&T program are gratifying. At the year-end, the number of new elections (Student members as well as other grades), the reinstatement of former members and the renewals of membership exceeded the numbers in all of these categories over the prior two years. Even in this period of economic recession, the IEEE membership reached an all-time high of 169,059 at the end of 1970. Forty IEEE Sections, identified in Spectrum, March

1971, p. 117, achieved a net increase of ten per cent or more in membership during the year, and special congratulations are extended to those IEEE Section members who contributed the time and energy which resulted in this outstanding achievement.

Attention: IEEE Regions, Sections, Groups, Societies, Chapters, Student Branches

1970 and the results achieved are now history. Continued emphasis must be given to the established programs for enlisting new members and retaining present members.

New programs must be implemented to interest and involve the younger members, those just entering the profession - these represent the future of IEEE. The tools and the "know how" are available for a greatly improved effort on M&T activities this year. The implementation, however, is still dependent upon the leadership of each organizational entity.

The local Section continues to be the backbone of the M&T job. Sections both small and large have demonstrated that when the Section management gets behind it and staffs up a strong M&T Committee, outstanding results can be achieved. Enthusiasm must continue at the Regional level and through the Groups and Societies and Student Branches so that every member of the Institute will be affected. After all, this is your Institute - you make it what it is and what it will be - you can help others find their place in these benefits also.

Look at your organization. See what you can do to improve your performance in the area of attracting new members in all grades, promoting membership in Groups and Societies, maintaining the existing membership, and encouraging transfers in grade, all of which will help you and help your Institute.

1971 IEEE Membership and Transfers Committee

W. L. Sullivan, Chairman
P. N. Hanover, Vice Chairman

R. B. Angus (Region 1)
G. A. Etzweiler (Region 2)
J. E. Spencer (Region 3)
R. P. Naney (Region 4)
J. C. Petkovsek (Region 5)
E. C. Hall, Jr. (Region 6)
D. M. Lane (Region 7)
J. D. Lebel (Region 8)
Henry Setaro (Region 9)

Robert Adams (Region 10)
R. B. Russ (Student Activities)
R. W. Wyndrum (Division 1)
J. L. Cooney (Division 2)
M. S. Waugh (Division 3)
R. A. Rivers (Division 4)
Julian Kateley, Jr. (Division 5)
L. J. Paddison (Division 6)



Statement of Policy on IEEE Societies & Groups

In recognition of the continuing growth and diversification of its technical activities, the IEEE has provided for Societies within the IEEE structure in addition to the Group concept previously in existence. It is felt that Societies will provide additional strength to the Institute by providing in some technical areas a framework for greater growth, flexibility, and vitality. They should provide a good basis for merger of Groups in closely related fields and for bringing non-IEEE societies into the IEEE.

The new Societies, as do the Groups, will benefit by continuing as part of the IEEE. Benefits include the economies of centralized administration, extensive geographical organization of the IEEE, and the ease with which an individual can participate in several organizations within the IEEE, thus providing him with a better match between his professional needs and the necessarily arbitrary lines of organization.

It is not intended that the existence of Societies should in any way interfere with the successful Groups which are already accomplishing their objectives effectively. Furthermore many Groups will feel that a change to Society status is not of benefit to them in the environment in which they presently operate.

A. Societies and Groups

Since the first Professional Group was formed, the Groups have grown to encompass most of the technical activities of the IEEE having direct member participation. Several of the now 30 Groups have grown to equal or exceed in stature many respected societies outside of the Institute. Many Groups function in narrow though vital fields. Recognizing differing organizational needs in some technical areas, the Institute has authorized the establishment of Societies within the IEEE. It is important to clarify the relationship between IEEE Societies, IEEE Groups, and the IEEE as a whole.

Societies and Groups have much in common and each are considered as equals within the IEEE. Each operates in a distinct technical area. IEEE members may join any one or several of the Societies and Groups at a relatively modest fee. Each is governed by its own administrative body responsible to its members. Each has equal representation on the Technical Activities Board and within its technical division. Each has access to the Board of Directors through its elected Divisional Director. Each carries out its own publication, meeting, standards, and other activities as required and operates within its own budget. Each may establish Technical Committees to allow members to promote specialized technical areas.

Societies may be formed in well-established technical areas within the overall scope of the IEEE. Groups may be formed in new technical areas and may require substantial financial support during the formative years. Societies should represent a broad and important area of electrotechnology and will be formed only in areas with a proven record of growth and good prospects of financial stability and membership growth. Societies should be able to finance their regular activities and to explore new ventures without special financial assistance from the IEEE.

The choice of Group or Society title is not intended to reflect a judgment of intrinsic worth of the organization or of the quality of its leadership. The chief officers of Societies will be called President and Vice President; those of Groups may continue to be known as the Chairman and Vice Chairman or may be called President and Vice President if this is so desired.

Changing some Groups to Society status is expected to provide a necessary basis for their further growth, for attracting new members in competition with other societies in the field, for merging IEEE Groups into stranger technical entities, for merging non-IEEE societies into the IEEE, for dealing with other professional societies, and for facilitating the representation of the profession to outside agencies including governments. Changing some of the Groups should not in any way limit the effectiveness and autonomy of the remaining Groups.

B. Guidelines for Forming Societies

IEEE Societies may be formed from a single Group, by merging several Groups, by bringing an existing outside society into the IEEE or by a combination of these. Guidelines for forming a Society from one or more constituent organizations are:

1. The combined technical scope of the constituent organizations should be a significant technical area within the scope of the IEEE. The scope should not have a substantial overlap with an existing IEEE Society. (Some overlap among Groups, and between a Society and Groups, seems unavoidable.)
2. Technical activity of the proposed combination should have demonstrated significant growth over at least the past five years, and continued growth may be reasonably expected over the next five years.
3. The financial position of the proposed combination for at least the past five years should have been sound, and a sound financial plan should be prepared for the next five years.
4. These organizations should be issuing at least one significant publication of stature in the field.
5. One of the organizations should be the sole sponsor, or a principal co-sponsor, annually of a technical conference of major importance.
6. There should be a record of producing and encouraging the use of appropriate standards in the field.
7. The constituent organizations should have established programs in support of the trans-national role of the IEEE. If there are national and international federations or other bodies in the field of interest, the constituent organizations should have established ties with them.
8. There should be a clear and well documented plan for technical growth including incorporation of new technologies.

These guidelines should be given appropriate weight in judging a proposed society. It is not necessary that all of them be met in each case.

Guidelines for preparing a petition to the IEEE Board of Directors to form an IEEE Society shall be prepared by TAB OpCom.

C. Title of Society

Acceptable formats for Society titles are:

1. "IEEE _____ Society"
2. "IEEE Society on _____"

D. Membership and Dues

The membership and fee structure for Groups will also apply to Societies.

A student member of a Society or Group pays total dues of \$10.00, the IEEE portion of which (\$8.00) goes to the IEEE treasury. He thus is an IEEE Student Member with all rights including that of joining any other Societies or Groups for a fee of \$2.00 each.

E. Finances and Administration

The Bylaw restrictions on Group funds (Bylaw 403.15) equally apply to Societies. The annual Society or Group budget must be approved by the TAB Finance Committee and TAB OpCom.

Revised 2/24/71

J. H. Mulligan
H. Chestnut

Systems (G-AES), read our item (E. E. Feb., p. 4) on IEEE Press; and asked us to take note that AES had independently planned and had come out in 1970 with the first Group-sponsored hardcover book: "The Federal Airways System;" composed in Linofilm; 455 pp., 8.5 x 11 in (22 x 28 cm); \$25 to members.

If E. E. had been given that information to print in 1970, there's no saying who might already have profited and to what extent, considering all the planning going on. E. E.'s mission is to help one unit help all others—and the staff. Thanks again, Dave.

NEW PUBLICATION METHODS. PUB has recommended revision of Bylaw 308.3 to change the existing Ad Hoc Committee on Electronic Methods of Publication (Spectrum, Feb. '70, pp. 120-121; E. E. Apr., pp. 2-4C-4D) to PUB's standing Committee on Methods of Publication, thus broadening its scope and ensuring continuity.

MORE LIAISON BETWEEN BOARDS. PUB has recommended revision of Bylaw 308.1 to include on PUB voting member-representatives from EAB, RAB, TAB.

NEW STANDARD FOR GRAPHIC SYMBOLS for Electrical and Electronics Diagrams, IEEE 315, ANSI Y32.2-1971, became available for distribution during the Convention. It has been adopted for mandatory use by the U. S. Department of Defense—all contract drawings must conform. 1500 symbols, many revised. 25% discount to members. (Flyer, Order Dep't)

NEW CATALOG OF STANDARDS, free. (Write Standards Office, Catalog Dep't, IEEE)

JTAC (Joint Technical Activities Council of IEEE and Electronic Industries Association—EIA) has issued its Annual Proceedings for 1969-70. IEEE members, \$5. It contains a regular feature: "JTAC Through the Years," an updated history prepared by Audrey van Dort of IEEE staff. (Information, Audrey van Dort)

These Proceedings are to be distinguished from JTAC's current book: "Radio

Spectrum Utilization in Space;" see ad in Spectrum, Mar., p. 135.

EDUCATION NEWS

(See other EAB items elsewhere)

"TECHNOLOGY" AND "TECHNICIANS", distinguished from "engineering" and "engineers," are being defined and described by the American Society for Engineering Education (ASEE), whose preliminary report has been submitted to and is being commented upon currently by EAB. IEEE now automatically elevates Student members to grade of Associate upon graduation from accredited programs in "Engineering Technology" (Bylaw 105.6.c; E. E. Oct. '69, pp. 5-6); and recognizes that proposed 4-year technology programs will have a profound impact upon education in U. S. ASEE's report is being constructively criticized in its minutiae. Its compilers apparently took no cognizance of parallel developments outside U. S., and that significant omission is being pointed out. They also made what looks like an unwarranted distinction between engineers and technologists on the score of "creativity."

This critique represents only one phase of EAB's total effort to cater to the educational needs of technicians and "journeyman engineers."

CONFERENCE NEWS

RESPONSIBILITY FOR CONFERENCES. Adopting recommendations of the concerned units, BofD in March revised Bylaws 309.2-310.4 (3), with the purposes of leaving with the Conference Board responsibility and authority for the IEEE Convention including both policy and operation; of giving a joint Technical Meetings Committee (of TAB and RAB) responsibility for coordinating, developing, and recommending policies, procedures, guidelines, and schedules for technical meetings sponsored or cosponsored by Groups, Regions, Sections, and Societies; and of charging the staff with assistance, on request. Further Bylaw changes fully to effect the purposes will be before BofD in August.

NEWS OF REGIONS AND SECTIONS

GETTING AND HOLDING IEEE MEMBERS. Pages 4A 4B of this issue, written by the chairman of the Membership & Transfers Committee (M&T), reports achievement in 1970 and sets the pace for 1971. For further particulars, see Spectrum, March, p. 117.

MEMBERSHIP BENEFITS pamphlet, brand new and up-to-the-minute, is out. Thumbnail treatments of benefits (12), Sections, Chapters, Groups & Societies, meetings, publications, educational programs, awards, insurance and you-name-it. Four application & order forms. (Copies—in any reasonable number to put to work—Emily Sirjane)

RE-USE OF CONVENTION MATERIAL. Sections, Chapters, and other units which hold meetings can turn to local account the benefits of papers, panel discussions, and films presented at the March Convention. Ideas: 1) Sign up Convention speakers in person, obtaining leads from the Advance Program, Convention Digest, and from Convention attendees working for the unit as scouts. If what's in the Digest (usually one page) is inadequate, try the author for a full copy; his address may be in the Membership Directory 1970. 2) Have a local meeting organizer use the Convention's treatment of a subject-in-breadth as a model for assigning qualified speakers in the unit, having a moderator organize them for a question-and-answer period and do the summing up. This is one way to cover a subject which has wide local interest in a manner which appealed to the experts running the Convention.

Press Releases on the more newsworthy technical disclosures were distributed to the technical press at the Convention. (Copies, as available, Jack Kinn)

Nearly all technical films described in the Convention Guide are available for use of Sections, Subsections, Chapters, and Branches. Address Public Relations director of the issuing firm or agency. (Assistance, Howard Schumacher)

ADD FEEDBACK: Section Puts 3 Data Tabulations to 5 Uses. Calumet Section

(Illinois-Indiana), welcomed aboard in E. E. Apr. '70, p. 6, got squared away by making a simple, accurate analysis of IEEE's computer printout of members in the Calumet territory: a) breaking them down by the 8 grades of membership held; b) counting members by the number and names of Groups each belongs to (including a count of those belonging to no Group; c) noting concentrations of members by geographical areas revealed by zipcodes. Brice Gilman, secretary, says that these data were found useful by Calumet's 1970-71 executive committee right at the outset in 1) locating sites for future programs, 2) selecting subjects for future meetings, 3) arranging car pools, 4) increasing Group memberships, 5) advancing members in grade of membership.

(N. B.)—E. E. can use more items like this one, showing people doing things that no one told them to do and that others can copy.

STUDENT NEWS

STUDENT TRANSITIONS TO HIGHER GRADES. To combat annual losses to IEEE of graduating Students who fail to exercise the benefits inherent in their automatic elevation to Associate and Member grades (Bylaw 105.6, a b), M&T has devised and RAB has approved a program for headquarters and Sections (also useful to Groups and Societies) to maintain communication with graduates, encouraging them to continue their IEEE membership and participation. The program assumes a desire by Sections and Group Chapters to involve these young engineers in local activities. The mechanism being set up will identify new graduates moving into Section territory.

Chairmen of Societies and Groups, and chairmen of Sections in Regions 1-7, may expect to receive in August full particulars of the program, its personal-contact aspects, attendance upon Section/Chapter meetings, work assignments; also records required for monitoring the program to ensure its success. (Advance copy of program, Emily Sirjane)

"FOR YOUR INFORMATION"

AFFINITY-GROUP FLIGHTS. Arrangements forecast in E. E. Feb., pp. 2 3, have been perfected. . . The National Center for Educational Travel (NCET) which performs similar services for the American Institute of Physics (AIP) and the American Association of University Professors (AAUP) has been named group-travel concessionaire by IEEE. . . The initial announcement fills page 127 of March Spectrum. Enough detail is included to answer most questions and to permit takeoffs from 5 U. S. points of departure for European destinations beginning in June. As noted there. NCET actually operates the entire program, subject to IEEE staff surveillance. . . As is the case in the IEEE insurance program, IEEE membership is the valuable ingredient for qualification. . . NCET meets costs and overhead from airline commissions on tickets sold. By contract between IEEE and NCET, participants sign waivers releasing IEEE from accident liability.

* * *

Centerfold pages:	Pages
Pink - Membership Activity	4A-4B
Green - Statement of Policy	4C

WELCOME ABOARD!

New Subsection: Uttar Pradesh Subsection of India Section.

New Group Chapters in Sections:

Jacksonville Section: Power Engineering Society Chapter.

Kansas City Section: Communication Technology Group Chapter.

Phoenix Section: Electromagnetic Compatibility Group Chapter.

Rochester Section: Joint Chapter of Aerospace & Electronic Systems and Communication Technology Groups; formerly separate Chapters.

Tokyo Section: Electron Devices Group Chapter.

Staff: Peter D. Edmonds, (SM'66), Administrator Technical Services, on staff of Dick Emberson. A Ph. D. in Physics, of London University (England), he has been for three years a Consultant and an officer in the Group on Engineering in Medicine and Biology; previously, Associate Professor, Moore School of Electrical Engineering, Department of Biomedical Engineering, University of Pennsylvania.

CONVENTION AND OTHER LATE NEWS

BYLAW CHANGES. BofD has modified Bylaws 308.1 and 308.3 for reasons cited under "Publication News," above. . . In Bylaws 309.2 and 310.4 (3) was added the TAB/RAB joint Technical Activities Committee, referred to above under "Conference News." There will be additional Bylaws covering duties, etc., before the August BofD. . . In Bylaws 308.4 and 308.5 "IEEE Press" was added to other publications, relative to its editor and PUB's panel of editors.

Added to Bylaw 315.2 regarding balloting for Constitutional amendments was this sentence: "Unless otherwise directed by the Board of Directors, the schedule for the receipt of petitions for Constitutional Amendments, their submission to the voting members, and the counting of ballots shall conform to the schedule for petitions for nomination of Officers and Directors, as provided in Bylaws 313.5, 313.6, 313.9 and in Section 4 of Article XII of the Constitution of the IEEE."

A STATEMENT OF POLICY on IEEE Societies and Groups was approved by BofD and is included in the green insert, p. 4C.

EXECUTIVE COMMITTEE recommended publication in Spectrum of an analysis of the instrumentation implications of the (U. S.) Clean Air Bill. . . Determined that membership opinion on application-oriented and other services of the Institute be sought through Regional meetings this spring. . . Endorsed the principle that the Engineers' Council for Professional Development (ECPD) should be recognized by the National Commission on Accreditation (NCA) as being the accrediting agency for advanced engineering programs leading to the first and second professional degrees beyond Bachelor; that NCA practices should be followed when consistent with the interests of our profession; and that ECPD should request IEEE and other participants to determine the disciplinary programs to be accredited at the advanced professional level.

THE CENTENNIAL OF IEE (The Institution of Electrical Engineers, London) was recognized at the annual banquet, the message from Great Britain being graciously borne by Frank E. Jones, in whose honor this year's annual Monday night reception was held.

IEEE CONVENTION ATTENDANCE crested in 1963 (70,932) and since then has followed a generally downward slope (E. E. Oct. '70, p. 4). This year the figure, subject to later refinement, was about 38,000. . . Exhibits were comfortably accommodated on three floors of the Coliseum. The fourth floor was put to good use in an expanded program of application-oriented technical sessions and motion pictures. . . The innovative "Tech-Talk Centers" worked out well the first year and will probably be a fixture.

SESSIONS ON SALES & MARKETING, sponsored as an innovation by Electronic Industries Association (EIA), (see E. E. Feb., p. 5), drew large audiences. In fact the session on "How to Start a New Business" was front runner in attendance of all the day sessions at the Convention.

COMMITTEES OF EVERY TYPE met—165 of them on the pre-Convention list—in the Hilton and four other hotels and IEEE headquarters. BofD and ExecCom headed the list. . . Seven of the 10 Regions held Regional meetings attended, of course by Section representatives. . . Group AdComs and committees were out in force. . . An average of 10 delegates per meeting yields a figure of 1600-1700 working members taking advantage of the Convention to mix ideas with others equally interested.

Touchstones of committee work were the workshops-for-training, which were to be found "everywhere." The best of them, typified by the Sections' 2-day workshop, involved much advance preparation, self-assessment questionnaires, the division of attendees into homogeneous groupings for consultation, and careful recording of results.

"**TRANSNATIONAL**" fairly described the exhibits. Of 425 exhibitors, almost 100 (23%) were from overseas, led by the British (31 exhibitors), followed by France (new this year), Japan, Canada, Australia, Denmark, West Germany, and Korea. The "New York Times" observed: "The Aussies * * sheer cheerfulness * * were shaking hands and passing out kangaroo lapel pins as though the whole Coliseum belonged to them."

"Transnational," unfortunately, did not describe this year's papers program any better than last year's (E. E. June '70, p. 3). ExecCom, Mar. 20, requested the Conference Board to improve international participation in the technical program at the 1972 Convention.

DISSIDENTS to present IEEE policies vis-a-vis social objectives were there in small numbers. They arranged diversionary meetings, did token picketing, and distributed handbills outside and inside the Hilton and Coliseum. . . At the evening Highlight Session they exchanged views with President Mulligan. . . At the annual banquet three emissaries broke out hastily-lettered anti-war scrolls and interposed them like cribsheets between Directors and those honored by achievement recognition seated upon the dias, from the others occupying front tables.

Stated target of criticism was "the ordering of national priorities." The principal speaker, David Packard (S'34, M'35, SM'47, F'48), Deputy (U. S.) Secretary of Defense, explained that while in 1968 the Defense budget was 9.5% of the gross national product, in fiscal 1972 it will be down to 6.8%. "The difference has been applied to non-Defense priorities." In relation to the total Federal budget, Defense was 42.5% in 1968, and will be down to 32% in 1972. "The difference has been made available — and correctly so — for non-Defense priorities."

A CONFERENCE BOARD CRITIQUE of the 1971 Convention was held Mar. 26. Although too early to form observations based on statistics, the general feeling was that this "first year's effort" had met the needs of registrants and exhibitors fairly well; and that the only soft spot in the operation (registration and fees) would be materially improved in 1972.