

ELECTRICAL ENGINEERING®

ON NOT SPARING THE HORSES. Surrounded by nonpareil talent residing in his new IEEE Board of Directors (BofD), President Willenbrock on Jan. 7 recommended, and BofD scheduled, 2-day meetings for the rest of 1969. This was to ensure time for full discussion of to-be-indicated topics and the resulting formulations of Institute policy, unharrassed by the time-demands of routine, not-to-be-delegated approvals and actions specified by the Constitution or safeguarded by Bylaws.

This self-imposed regimen sets the pace for breadth and thoroughness which will characterize the new Board. It sets a standard of industriousness for all units of IEEE.

NEEDLES AND PRODS

AWARDS: REMINDER. Deadline dates for nominations: Field Awards, Apr. 1; Medal of Honor and Major Annual Awards, June 1; Prize Papers, Sept. 15. (E. E. Dec., p. 3; full particulars, Spectrum, Nov. '68, pp. 22-23.)

LIFE MEMBERS have been individually invited to sample the tangible nature of the March Convention's salute to geriatrics. Acceptances have been coming in more slowly than a year ago. If you see a Life Member vacillating, nudge him off dead center.

LONG RANGE PLANNING. The 1969 LRPC, under Past President Herwald, will meet in March and solicits suggestions from any source for consideration. The

distinction between Long Range (wanted) and Current Planning (not wanted by LRPC) suggestions was made clear in E. E. Aug. '68, pp. 3-4. (Address S. W. Herwald at IEEE.)

ExecCom, Nov. '68, asked that every committee and board reporting to BofD or ExecCom "make inputs" into LRPC for study. (Reminder, all units)

SPECTRUM, TRANSACTIONS, DELAYED. Due to labor difficulties at the printer's plant, February Spectrum will be delayed approximately three weeks. March and succeeding issues will return to normal schedules. Also affected are the December-through-March issues of several Transactions.

COMPUTER CUT-OVER. IEEE's new computer (see E. E. Feb. '68, p. 2; Dec., p. 7) will reach cut-over in late April. There will be a hiatus from Apr. 28 to May 9 during which both old and new services will be unavailable.

Sections, Groups, other units depending upon computer facilities should re-schedule their work so that it may be received at IEEE not later than Fri., Apr. 11. Output from these stepped-up orders and from any standing order where delivery is due during the 2-weeks' shutdown, will be shipped before Apr. 28. (Further information, Bill Keyes)

CHALLENGES AND OPPORTUNITIES

NOMINEES FOR APPOINTMENTS. The Elections and Appointments Calendar (in Statements of Policy, page S) shows that

by Apr. 30, '69, each Regional Committee in odd-numbered Regions 1 to 9 must submit nominations of candidates (plural) for Regional Delegate/Directors 1970-71 (Bylaw 401.8). February-March are the working months. (Statements of Policy are in Sections and TAB Manuals. Copies: Emily Sirjane, Pat Corcoran)

By the same Calendar, in April the IEEE Secretary will issue formally to Sections and Groups a request for recommendation of appointees to 1970 Standing Committees and Boards.

In anticipation of this and at the request of the Nominations and Appointments Committee (N&A), two copies of the Form used are issued herewith as a white Supplement to E. E., in order to secure wide, early distribution throughout IEEE. All units and individual members are invited to make recommendations. Committees and boards are listed in Bylaw 304.2; their activities (which indicate the kind of members whose nominations will be appropriate) are in Bylaws 305 to 309. The qualities sought in nominees are given on the back of the Form, and are controlling. June 1 is deadline. (Correspondence, Emily Sirjane)

PROPOSALS FOR FELLOW. Sometimes one hears: "So-and-so? Why, I thought that surely he was a Fellow. Compared with some, he certainly qualifies!"

But though he does, he isn't. Not from his own neglect (for under Bylaw 105.2 a member cannot propose his own name for Fellow), but for failure of another member (you?), who knows of his qualifications, to sponsor him.

It is true, but irrelevant, that the Fellow Committee, limited by Bylaw 309.2 to nominating 125⁺ Fellows a year, has to turn down perhaps 275⁺, some being names submitted not once but twice and thrice. The point is: your man, (if your estimation of him is right), though No. 401 in the proposals might have been No. 67 in the selections. Isn't it a shame (yours?) his name wasn't there?

Deadline for proposals this year is Apr. 30. See E. E. Dec., p. 3, offering sponsorship kits. For particulars see E. E., Dec., pink Supplement; Spectrum, Nov. '68, p. 30. (Kits, Emily Sirjane)

N. B. —Section and Group chairmen: Is a committee now and systematically flushing the eligibles?

SUPPLEMENTS TO E. E. The editor was recently asked: "Would it be in order to have all-Group news printed on distinctively-colored paper and issued as a Supplement?" Yes, indeed (and other units' activities, in other colors, too), as often as there is something to say that needs the spread.

Editorially, E. E. has been cool to compartmentalizing. The danger—not so imminent, however, as to preclude experiments—of too many parochial Supplements is bifurcation of the readership and obfuscation of a guiding objective: Know your whole Institute.

Since most correspondence and duplicated matter tend to flow to and from Sections and Groups in separate channels, meeting the need for transchannel cross-talk becomes the province of Spectrum and E. E. For our part it is our mainline consideration.

SPREADING THE WORD. We note with satisfaction that Pittsburgh Section's "Bulletin" for Sept. '68 picked up President Herwald's timeless message to E. E.'s readers: the Institute's "active circle." (E. E. Apr., p.1) As pertinent today as the day it was written.

TOP SIDE DEVELOPMENTS

NEW IEEE BOARD OF DIRECTORS is shown in Box, this E. E., p. 8. Comparison with Box, E. E. Dec., p. 8, reveals the Jan. 7 changes. Of the 27 Directors, 12 are new. Of the 6 Corporate Officers, 3 are new. Of the 9-man ExecCom, 5 are new and the duties of Coordinators have been reshuffled for incumbents' know-how.

Of the 27 Directors, 8 stood for member election last mid-year and 11 others had previously been elected by members' ballots. The remaining 8 were elected by the annual Assembly, all 19 of whom had been member-elected. Thus the entire BofD derives directly from the voting members of IEEE as a corporation: a detail of law that "makes sense." Some

of our members have wondered whether, in fact, the government of the Institute goes back to the members. By the Assembly mechanism it indeed does.

Among the 27 Directors there is wide geographic and occupational dispersion. A press release of Jan. 8 gave the particulars. (Copy, Lee Nicol)

MEETING DATES AND PLACES. Assembly and BofD met in New York Jan. 7; ExecCom Jan. 7-8. Schedules for remainder of year (locale being New York unless shown otherwise): BofD: Mar. 26-27; Aug. 27-28, Ottawa; Nov. 13-14, Mexico. ExecCom: Feb. 13, Mar. 22; Apr. 17, Phoenix; May 28, June 18; Aug. 26, Ottawa; Sept. 26; Oct. 20, New Orleans; Nov. 12, Mexico; Dec. 12. Next Assembly, Jan. 6, 1970. These schedules reflect obvious intent of keeping Directors in touch with the membership.

1969 CHAIRMEN OF COMMITTEES. To those named in E. E. Dec., pp. 1-2, add: Awards, George Sinclair; Educational Activities, J. G. Truxal; Finance, H. Chestnut; Publications, M. E. Van Valkenburg; Sections, J. V. N. Granger; Technical Activities, J. H. Mulligan.

IEEE 1969 BUDGET, worked up, recommended, and supported by 20 pages of financial details by the 1968 BofD—was approved by 1969 BofD Jan. 7. Many of IEEE's principal units and the staff made the estimates which, revised as called for during 1969, will chart the Institute's financial course.

For the last full year's actual operating results (1967) on income of \$6,713,927, see Spectrum, June '68, pp. 93-95.

SHORT WORK MADE OF LONG RANGE PLAN. On agenda of Mar. 26-27 BofD will propose Bylaw changes to inaugurate a Regional Activities Board (RAB) to consist of the Directors representing the 10 Regions, with Vice President Granger as its first chairman. Emily Sirjane will be assigned as Staff Secretary.

As noted in E. E. Aug. '68, p. 3, the Regional Directors have been meeting informally with the successive elected Vice Presidents for some time. It is now felt

that desirable restructuring of Regional activities can be accomplished under a suitably organized board, the scope of which is still to be determined. The step may entail some changes in the Sections Committee (present composition and scope, Bylaw 309.12). Field reaction is welcome. Dr. Granger may be addressed at IEEE, preferably before Mar. 10.

There will be no meeting of the Sections Committee at the March Convention, but a Forum of Section Chairmen will be held Monday PM, Mar. 24. Regional Directors meet Tuesday PM. BofD meets Wednesday-Thursday; ExecCom, preceding Saturday.

PROFESSIONAL RELATIONS NOW AD HOC. The Professional Relations Committee studied its activity and found that it would be more appropriate for IEEE to handle the Committee's few problems on an Ad Hoc basis. Accordingly, BofD, by editorial revision of Bylaw 304.2 and deletion of Bylaw 309.11, dissolved the committee.

(Note: Other organization units can follow BofD's lead in evaluating standing committees which have coped with but passed a peak and plateau of activity. An alternative to Ad Hoc treatment is to reassign work to another standing committee.)

POLICIES TO BECOME BYLAWS. The familiar (blue) Statements of Policy are soon to disappear (but are binding until superseded). BofD has taken steps to separate the Statements into a) material to be made Bylaws, amendable only by BofD; b) the remaining operating procedures to be printed with and after the Bylaws and modifiable by ExecCom. Secretary Sears and the General Manager are making an initial separation, preparatory to work of an ExecCom Ad Hoc Committee on Policies and Bylaws. When task is done, BofD will be the only determinant of IEEE policies, all of which, whenever disseminated beyond BofD and ExecCom, will be in Bylaw form.

"OPEN ATTENDANCE" RULE BROADENED. Statement of Policy #2-G has been modified to guarantee admittance of all IEEE members to IEEE-sponsored plant tours without industrial security clearances. The restated policy appears in the blue Supplement to this issue of E. E.

MULTIPLE PUBLICATION. ExecCom '68 in December approved an as-yet-un-numbered Statement of Policy on Multiple Publication of Technical Material. The text is given in the blue Supplement herewith.

BYLAW REVISIONS. 304.2; 309.11, appear above. Add Bylaw 302.5, 3rd sentence; substitute: "The Chairman of the Publications Board and the Technical Activities Board shall be members of the Executive Committee in their capacities as Vice Presidents elected by the annual Assembly. The Chairman of the Educational Activities Board shall be a member of the Executive Committee." 306.1 (on EAB), add two committees: Accreditation, and Pre-College Guidance. 401.14—eliminate effective date.

Other Bylaw changes effective since Aug. 19, '68, hitherto unreported in E. E. include: 1) addition of following sentence to para. 2 of Bylaw 309.6 on composition of the Intersociety Relations Committee (ISRC): "The IEEE Representative to the ECPD Executive Committee shall also serve as a member of the Committee (ISRC), ex officio;" 2) deletion of Bylaw 109.4 and substitution of the following as Bylaw 105.7: "A Student notifying IEEE that he is entering military service shall retain his Student status, while in service, for a period not to exceed four years. At his option he may continue to pay annual Student dues during this period and receive publications and other membership services, or he may omit payment of dues and be placed on inactive status. In either case, Student membership shall be recorded as uninterrupted, while the Student is in military service, for the above-stated period."

EDUCATIONAL ACTIVITIES NEWS

HOME STUDY COURSE for members, in the form of a Management Games Seminar, is being offered first in the Northeast U. S. area from March until May; it is scheduled to begin elsewhere in the Fall. For a \$35 fee, member-subscribers receive forms, instructions, and source material for completing, in six 2-week periods, the

management decisions required for the successful running of a company against competition for a simulated year. Correspondence connected with the game is between the IEEE member and IEEE's contractor, the Management Games Institute. For the seminar beginning Mar. 3, closing date for registry is Feb. 25. (IEEE Educational Registrar, IEEE; same address for leaflet giving particulars)

TUTORIAL COURSES AT CONVENTION. E. E. Dec., p. 3, referred to the two 2-day peripatetic Short Courses-for-fee which reach the Convention in parallel on Thurs.-Fri., Mar. 27-28, 9AM-5PM, including luncheons. (Folder, Jack Kinn)

There will also be offered, separately and sequentially, three tutorial 2-hour sessions-for-fee, including breakfast, from 8-10 AM, on Mon., Tues., Wed., Mar. 24-26.

T. A. B. AND GROUP NEWS

CRAM-COURSE ON IEEE ITSELF. "Running the Institute" has become sufficiently demanding to warrant sound pedagogy. At least that is the implication of TAB's first orientation seminar for Group chairmen, other officers, and administrative committee members, held Jan. 15 in Los Angeles; and a second being held in New York Feb. 5. Theme: Assistance and recommended procedures for making your IEEE job easier and more effective. (Information, Dick Emberson)

PHILOSOPHY IN THE MINUTES. Following is paraphrased from TAB OpCom Minutes, Dec. 5, '68:

Because a Group, here and there, tends to become inward-looking, focusing on its own affairs and unmindful of broader IEEE interests, it becomes difficult for certain of its activities to be identified by it and accepted as an activity in behalf of all Groups. Nevertheless it ought to be done. A new Group or other new mechanism is not a necessary part of every solution of problems posed by a mushrooming technology. The Institute must learn how to use the Group system, backbone of IEEE's technical activities, how to use ties among Groups, to adapt to frontier and interdisciplinary situations.



THE INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

345 EAST 47TH STREET, NEW YORK, N.Y. 10017 AREA CODE 212 752-6800

GUIDELINES FOR RECOMMENDING NOMINEES FOR SERVICE TO THE IEEE

This form shall be used in submitting the names of nominees to be considered for the elective offices of the IEEE (President, Vice President, and Director-at-Large) and for recommending appointments to the IEEE Committees and Boards. The completed form shall be mailed to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N. Y. 10017.

The general qualifications for service to IEEE 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 responsibilities of the IEEE Directors and the tasks of the various Standing Committees and Boards are described in the IEEE Bylaws, and these should be consulted if the nominator 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 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 vitality must be brought into the IEEE organization, 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 Committee 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, vigor and creativity 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 ideas. Much of this must come from 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.



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FOR IEEE SERVICE**

NOMINEE RECOMMENDED FOR: (indicate office, committee, board)

Before filling in, please read Guidelines on reverse side.

NOMINEE _____
First Name Middle Initial(s) Last Name

MAILING ADDRESS _____

BUSINESS AFFILIATION _____
Name of Company

Company Address Telephone Number

Title or Position in Company

Indicate present type of work: research, development, sales, teaching, etc.

IEEE RECORD: Present Membership Grade _____

*Offices Held (with dates) _____

*Medals, Prizes, Awards _____

Other _____

* If available to nominator.

OTHER INSTITUTE AND SOCIETY MEMBERSHIPS AND GRADES _____

COMMENTS BY NOMINATOR: Give an outline of the nominee's specific qualifications for the nomination or appointment here (use separate sheet if necessary).

Date

Name of Nominator

Telephone Number

Address



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OTHER INSTITUTE AND SOCIETY MEMBERSHIPS AND GRADES _____

COMMENTS BY NOMINATOR: Give an outline of the nominee's specific qualifications for the nomination or appointment here (use separate sheet if necessary).

Date

Name of Nominator

Telephone Number

Address

IEEE STATEMENTS OF POLICY

1. REVISED STATEMENT OF POLICY

2-G "Open Attendance" at all IEEE Meetings and Other Activities

All IEEE members, irrespective of grade or any similar consideration, shall be admitted (upon payment of the appropriate registration fee, if any) to any and all meetings, conferences, conventions, discussion groups, lecture series, tours, or other assemblages of which the IEEE is a sponsor or co-sponsor. In furtherance of this policy, the IEEE will not act as sponsor or co-sponsor of any assemblage, participation in which is subject to security clearance of either a governmental or industrial nature.

In the event that another organization sponsors an assemblage requiring some form of clearance for admission, at times and places related to an IEEE sponsored or co-sponsored conference, for the convenience of some of the IEEE members there may be cooperation with the other organization under the following circumstances:

a) The IEEE conference program and all related publicity shall clearly indicate that IEEE is neither a sponsor or co-sponsor of the classified meeting or restricted activity.

b) The IEEE conference announcements and technical program listing may contain information relating to the classified meeting or restricted activity.

c) IEEE shall not be involved in any way with the costs of conference room rentals, publication of abstracts, digests, or papers, and any other administrative costs related to the organization, registration, and conduct of the classified meetings or other restricted activities.

d) All security correspondence and registration arrangements shall be directed exclusively to the organization responsible for the classified meeting(s).

e) It is recognized that some tours and similar activities will be limited by the capacity of buses or other facilities and attendance will be available on the basis of the order of receiving individual requests from members and other participants. Tours with any other restrictions are not acceptable for IEEE sponsorship.

2. NEW UNNUMBERED STATEMENT OF POLICY

Multiple Publication of Technical Material

Technical papers should normally appear in the archival literature only once. Multiple publication is wasteful of funds and space, and causes citation and indexing confusion. It is to be avoided by IEEE technical journals except under unusual circumstances.

Collaboration between two or more Groups or between a Group and the PROCEEDINGS OF THE IEEE in jointly sponsoring and distributing a special issue on an interdisciplinary subject of mutual interest is permissible, provided that the papers appear in only one IEEE journal. Publication in more than one journal requires the approval of the Publications Board and TAB Op Com at the earliest practicable stage of planning.

OCEANOGRAPHIC COORDINATION. Marine technology, ocean engineering, off-shore technology, oceanography, are emerging terms. Geoscience Electronics Group (G-GeoS) has offered to coordinate IEEE problems in this general field (but not to the exclusion of any other Group), using a separate part and editor of the G-GeoS Newsletter as a communication tool. G-GeoS has written all Group chairmen, offering to send copies of the expanded newsletter to any IEEE member upon request, and seeking indications of which Groups have interest, involvement, and desire for liaison. (Liaison contact: Dr. Gilbert Jaffe, Instrumentation Dept., U.S. Naval Oceanographic Office, Washington, D. C. 20390) (Requests for newsletter, Dick Emberson)

MANUFACTURING TECHNOLOGY, as it relates to electrical-electronic equipment, is receiving attention of a TAB Ad Hoc committee. TAB is also encouraging presently-involved Groups to identify their programs as such and to continue them. Nevertheless, coordination of attack is needed and is afoot. For instance, the Director, Information Services, has tagged the term "Manufacturing Technology" for identity as a category. Concentration of interest has been demonstrated by a successful session at NEREM '68, Boston, and by the Thick Film Hybrid Integrated Technology Workshop at the March '68 Convention.

The Ad Hoc committee of TAB is sponsoring another session, on hybrid micro-electronics manufacturing technology, at March '69 Convention. (Particulars: H. H. Hoar or J. B. Singleton, care IEEE)

GROUP NEWSLETTER MANUAL. A draft-for-comment is expected to become available at the meeting of Group Newsletter editors to be held at the March Convention.

MARCH 1969 CONVENTION

ADVANCE PROGRAM is mailed out Feb. 1 to all members. (Copy, Emily Sirjane)

Go into huddle with yours upon receipt and act fast where you are involved...

Those invited to the Directors' Reception will see Past Presidents of IEEE-IRE-AIEE receive service recognition pins. Of 46 Presidents now living, more than half have already said they'll be there.

ANCILLARY SEMINARS. IEEE Group on Electrical Insulation is the only one to schedule its own technical sessions at the Hilton on Friday, under the Convention's umbrella. This option was open to all Groups (see E. E. Oct., p. 3). Looking ahead to the Convention in '70, Feb. -Mar. '69 is a good time for a Group to lay plans if it thinks it needs a New York symposium.

SECTION NEWS

MEMBERSHIP FIGURES. Institute's total membership, including Students, was 162,368 on Dec. 31, '68, compared with 158,217 on Dec. 31, '67. The net gain of 4,151 (2.6%) overcame, and passed by that much, normal average attrition of about 6% annually (9,500 on 158,000).

OPERATION G-I-T (Growth-Improvement-Transfers) campaign (see E. E. Aug., pp. 4-5), which now enters its second year, pitched its G-string in 1968 at 10% net growth in membership (about 17% gross, to absorb normal average attrition).

While neither the Institute as a whole, nor any of its largest Sections, made the grade, smaller ones did... Tops was Permian Basin Section in Texas, with a stampeding 76% net.

Rock-ribbed Vermont and Southern Minnesota crashed through with 26% each, Central North Carolina with 23%, Buenaventura (Calif.) with 21%... In Canada, 5 Sections made 10% or better, led by Kitchener-Waterloo with 21%... Montreal with 19% (246 new members boosted total enrollment to 1536) was the largest Section anywhere, in the GIT-goal 10% list, to produce so great a headcount of new members; although Central Indiana (20% gain, 243 new, 1427 now) was close; and Houston (11% gain, 213 new, now 2053) not far behind.

Most gratifying is to see on the 10%-up list, 6 Sections in Region 8 (Europe), 4 in Region 9 (Latin America), and Tokyo in Region 10. All are "non-national," new-growth saplings in which vitality is

bursting out all over. . . Special-mention accolades go to 5 Sections which better than tripled the GIT-goal (more than 30% net in one year!); North Italy 55%, Rio de Janeiro 52%, Switzerland, Benelux, and Sao Paulo.

MEMBERSHIP BONANZA. In terms of members' worth-for-the-money, a March drive for IEEE and Group members, launched in February, with memberships effective April 1, is the financial pushover of the calendar year; hence March is the month of the year for a Section to mount a double-edged campaign. Why? See Bylaws, last paras. of 108.5, 405.7; also see E. E. Feb. '68, pp. 1-2. . . Why is September the 2nd-best month? See same Bylaws, and E. E. 13, Oct. '67, p.1. . . No mystery. Intentional. Gives Sections two breaks.

[Note to Section Chairmen: Awaken your membership committee with this. Also check to see they know how to ask for, and use in signing up new members, a list of present Section members by industrial firms, academic, and governmental affiliations (E. E. Oct., p. 4)]

CONFERENCES-ADVANCE PROGRAMS. Any Section may obtain copies on request. Some Sections are organized to answer telephone inquiries from members about particular conferences to be held. Advance programs contain the facts. Ask for them. (Ed MacDonald)

"LADIES' NIGHT" in Cleveland Section is the occasion for inviting wives to come and bring their husband-members to a regular meeting (on Fuel Cells this year!). Idea is to let the gals "enjoy an evening with a difference," and to "meet the other charmers who have made an engineer their career."

Sparkplug, this go-round, was Herb (H³) Heller, Vice Chairman, who described himself as "unmated." Though he may be running blind he's on the right track in recognizing the invaluable contribution made to IEEE by the Distaff everywhere.

ADD FEEDBACK. The indefatigable H³, traveling globally (see E. E. Oct., p. 4), writes: "Due to Emily Sirjane's quick

reply before my recent trip I was able to make the Milan (Italy) Section happy that IEEE-USA 'cared.'" . . In "Cleveland Section News," Nov. '68, he reports on the exposition and trade show he visited: "A few Students, identifiable by proudly displaying green IEEE buttons, knew what they were looking for. Prof. Emilio Gatti, former Chairman Milan Section, stopped by to express appreciation of headquarters support."

CHAPTER DINNERS. Robert C. Winton, United Kingdom & Republic of Ireland Section Secretary, writes from London: "Our Circuit Theory Chapter is arranging a dinner next week—ostensibly to get their circuits integrated. Do other Chapters do this, or is it an idea for E. E.?"

Chapters in the U.S. are as likely to be found eating as meeting. Not many do it to get integrated, but when they do, they pick out a place with a tablecloth. I'll pass your idea along, though—it may start something in Paris, Tokyo, or Buenos Aires. —Ed.

STUDENT NEWS

"INVOLVEMENT" FOR STUDENTS. EAB, at '68 BofD's behest studied, then reported favorably on a proposal that representative Student Members sit as members of Regional Committees, Student Journal, Student Activities Committee, possibly EAB's Committee on Accreditation, and "other IEEE committees that involve student matters." Since travel is a factor, the project is still under study.

TOOLS AND AIDS

ORGANIZATION ROSTER—JAN. 1969, incorporating most personnel and unit changes effective at beginning of calendar '69, will be mailed out late in January. . . Indispensable. (Copy, Emily Sirjane)

SPEAKERS DIRECTORY. It is surmised that usefulness of this canary-yellow Supplement to E. E. in the past has been greatest among Section Chairmen (4 copies), Vice Chairmen, Secretaries and Treasurers; Section offices; Subsection Chairmen,

Secretaries, Treasurers; Group Chapter Chairmen; and IEEE Counselors.

Beginning this month the canary-yellow Speakers Directory will be mailed separately, as issued, to persons categorized above, rather than being mailed with E. E. to its larger distribution list. If anyone who has found these Supplements useful is inadvertently cut off, please ask at once to be restored to the distribution list. Cases in point might be Regional Directors or assistants; Group Meetings or Conference program chairmen, etc. (Requests, Emily Sirjane)

WHO GETS E. E.? Directors. In the Regions: Regional assistants, Council officers. In the Sections: those listed in the preceding item; also Section Editors and Publicity Chairmen. Members of all Standing Committees and Boards (Bylaw 304.2 list). Under TAB: Group AdComs, Editors; members of General Committees. Under Awards Board: its committees. IEEE Representatives in outside organizations. JTAC. IEEE staff, active and retired.

AUTHORS' GUIDE TO IEEE PUBLICATIONS appeared in January '69 Spectrum, p.10A. Annually printed there, information is not to be had elsewhere. Covers submission of manuscripts. For each IEEE publication: name, frequency, sponsorship, purpose, contents; name of editor, his affiliation, address.

"FOR YOUR INFORMATION"

DON FINK DOES IT AGAIN, this time as Editor-in-Chief of McGraw-Hill's "Standard Handbook for Electrical Engineers." Collaborating with Prof. John M. Carroll, SM '60, recently of Lehigh, as Associate Editor, and building upon "Knowlton" only as a foundation, Don has edited, (extra-curricularly, and having no connection with IEEE), essentially a brand-new compendium, as authoritatively slanted to modern electric power engineering as other examples of Don's voluminous output have been directed toward electronics.

It can hardly be otherwise than that this feat of intellect (for, considering the depth

of knowledge involved in both areas of Don's interest, it is no less than that) will appeal to the IEEE membership right across the board as a reason for pride in their author-General Manager. He has firmly established himself as a leading exponent of "electrical and electronics engineering," whatever that may turn out to be. —Ed.

SERVICE-RECOGNITION PINS. Described in E. E., June '68, pp.1-2, and promised in E. E. Dec., p. 7, the new pins for Section Chairman, Group Chairman, and Life Member are now in stock and may be ordered by the wearer, or they may be ordered by a unit to present to the wearer. Detailed descriptions are contained in a report of the Internal Communications Committee: "A Fresh, New Look for IEEE in 1969," which will be printed in April Spectrum, and which contains half-tone illustrations.

CERTIFICATES IN NEW FORMAT are also to be had for an array of presentations. They are described and pictured in the report referred to in the preceding item. The Fellow certificates sent out in January are in the new styling.

IEEE NECKTIES FOR MEMBERS. Men's four-in-hand (slipknot) neckties, originated and first worn in the United Kingdom & Republic of Ireland (UKRI) Section, are, according to a 1-page flyer recently enclosed in a Region 8 Newsletter, available for purchase from UKRI Section by an IEEE member anywhere and of any grade. . . Prices vary with the currency; for the U.S. it is \$4, payable by ordinary check. . . For copy of flyer with description, illustration, order blank, write: IEEE, County Secretarial Services, 8 The Flower Walk, Guilford, Surrey, England.

HOW TO GET DOWN FROM A BALLOON. "Ordinarily, E. E. goes into the wastebasket unread. We who labor in specialized fields have little interest in gossip about the New York office. I look at headquarters as a top heavy organization whose major function is to justify a \$25 membership fee. . . Sincerely,"

COMPOSITION OF THE 1969 IEEE BOARD OF DIRECTORS
(Only Present Terms Shown)

DELEGATES-AT-LARGE
DIRECTORS-AT-LARGE

Elected by members

1 F. Karl Willenbrock	1969-71
President	1969 †
2 John V. N. Granger	1969
Vice President	1969 †
3 Walter K. MacAdam	1967-69
Senior Past President	1969
4 Seymour W. Herwald	1968-70
Junior Past President	1969
5 Harold Chestnut	1967-69
Treasurer	1969 *†
6 Edward E. David, Jr.	1967-69
7 Hubert Heffner	1968-70
8 Charles F. Savage	1968-70
9 David M. Hodgkin	1969-71
10 John R. Whinnery	1969-71

DIRECTORS-AT-LARGE

Elected by Assembly

1 James H. Mulligan, Jr.	1969
Vice President	
Technical Activities	1969 *†
2 M. E. Van Valkenburg	1969
Vice President	
Publication Activities	1969 *†
3 Raymond W. Sears	1969
Secretary	1969 *†
4 Douglas G. Lampard	
Director Region 10	1969-70*
5 Guillermo J. Andrews	1969
6 Werner Buchholz	1969
7 George Sinclair	1969
8 John G. Truxal	1969

REGIONAL DELEGATES
REGIONAL DIRECTORS

Elected by Regional members

1 Harry R. Mimno	1968-69
2 Delmer C. Ports	1969-70
3 Robert G. Elliot	1968-69
4 Harry P. Bruncke	1969-70
5 William T. Sumerlin	1968-69
6 Langdon C. Hedrick	1969-70
7 Robert H. Tanner	1968-69
8 Roger P. Wellinger	1969-70
9 Francisco A. Hawley	1968-69

DIRECTORS EMERITUS

Alfred N. Goldsmith
also Editor Emeritus
Haraden Pratt
Elgin B. Robertson

*Elected by the 1969 Assembly to these positions.
†Corporate Officers

EXECUTIVE COMMITTEE

Willenbrock	
Chestnut	Finance Employee Benefits Intersociety Relations Sections Membership & Transfers Fellow
Granger	
Herwald	Long Range Planning Nominations & Appointments Technical Activities
Mulligan	Admission & Advancement Board Meetings Bylaws Internal Communications Awards
Sears	
Sinclair	Educational Activities
Truxal	Publication Activities
Van Valkenburg	History

WELCOME ABOARD!

Quarter-deck: Flourishes, side-boys, for 12 new Directors: Andrews, Bruncke, Buchholz, Granger, Hedrick, Lampard, Ports, Sears, Sinclair, Van Valkenburg, Wellinger, Whinnery.

Chairmen and members of IEEE units, taking up new duties, wherever you are!

AN ORGANIZATION the size of IEEE can function effectively only when many channels of communication are established and used. Section and Group chairmen should make full use of informal channels, correspondence, and telephone, to create common awareness of the activities presently in progress in their respective units. Many of the programs developed by Groups and Sections can be of extreme value to others who, unfortunately, are not aware of their existence.

E. E. 's mission is to inform. Read it!

WELCOME ABOARD!

New Group Chapters in Sections

<u>Section</u>	<u>Chapter</u>
Arkansas	Power
Dallas	Joint: Information Theory Systems Science & Cybernetics
Houston	Electromagnetic Compati- bility
Illinois	Joint: Power
Valley	Industry & General Applications
Milwaukee	Joint: Electron Theory Microwave Theory & Techniques
Utah	Engineering in Medicine & Biology
	- - -
Supplements:	White (2) - Committee Nominations
	Blue - Policy Statements

IEEE's "family" of Units includes Groups, Committees, Boards, Councils, Conferences, Regions, Sections, Subsections, Chapters, Branches, and Headquarters. "Electrical Engineering" (E. E.) helps bring them together.

When E. E. refers to staff members, get full name, assignments, etc., from "IEEE Spectrum"; listed monthly on second page after table of contents. Address them: IEEE, 345 East 47 Street, New York, N.Y. 10017. Or phone Area 212 - 752-6800.