

# ELECTRICAL ENGINEERING®

## PRODS AND OPPORTUNITIES

A SURVEY OF SALARIES AND FRINGE BENEFITS is now being conducted by questionnaire returnable by members above Student grade in Regions 1-7 (U.S. and Canada). This analysis was requested, 2-to-1, by U.S. IEEE members, 73% of whom said they'd cooperate. It is the first of a number of programs to be initiated in non-technical areas, by members' request.

As soon as possible, and before you go on your vacation, be sure to fill out and return these fact-finding sheets. Campaign to encourage fellow members to do so. Owing to anonymity surrounding the employing companies and institutions, there should be no hesitancy in responding. Members balking at the length of questionnaire should be encouraged to return at least partial responses.

A return barrage will reassure everybody that the results, to be reported in Spectrum as soon as tabulated, are valid because based on no mere sampling.

**EVALUATION OF FELLOW NOMINATIONS.** Groups/Societies have only until June 15 to complete their evaluations of Fellow candidacies referred to them and monitored by sponsors. (See "Electrical Engineering"—E.E., Apr., p. 1.)

**OPPORTUNITY FOR UNEMPLOYED.** Naval Research Laboratory (NRL) offers a number of 12-month internships under the National Science Foundation (NSF) Presidential Internships in Science & Engineering program.

Appointments will be made in June only to young unemployed scientists or engineers holding degree of Master or higher, whose qualifications and promise are clearly superior. Write or telephone Mr. Bruce Wald, NRL, Washington, D. C., 20390.

For information on the wider scene of unemployment, see "News from Washington" section, Spectrum, May, pp. 13-14.

## TOP-SIDE DEVELOPMENTS

**BYLAW REVISIONS** made by the IEEE Board of Directors (BofD) Mar. 23 and May 2-3 are listed on pp. 4E-4F. These should be noted marginally in current Bylaws, Jan. 12-13, '72. (Copies, Emily Sirjane)

**NOMINATIONS FOR ELECTION.** BofD in March approved officer-nominees for places on the September ballot: for President 1973, Harold Chestnut; for Vice President elected by voting members, John J. Guarrera.

Nominees for Regional Directors of even-numbered Regions 2 to 8 and for Technical Directors of Divisions II, IV, VI, have now been added. There are multiple candidates in each except Region 6.

All names will be run in June '72 Spectrum, together with a required notice as to any nominations-by-petition due noon, July 28. (Constitution, Art. XII, Sec. 3; Bylaw 313.5.) Ballots will go out by Sept. 1 (Art. XII, Sec. 4). To be counted they must be returned by Nov. 1 (Bylaw 313.9). Tellers' count is due Nov. 9 (Bylaw 313.9). BofD will announce elections at its final (annual) meeting in Puerto Rico, Dec. 1-2 (Bylaw 313.9).

**POSITIONS ON ISSUES.** IEEE Officer-and-Director-candidates will be invited to make statements for publication in August or September issues of Spectrum.

**ELECTIONEERING** in IEEE is governed by Statement of Policy #20 (edition of Jan. '72, in Section and Technical Activities Manuals). (Copy of Statements of Policy, Emily Sirjane)

Editors of Region/Section and Group/Society publications have been asked to promulgate the rules.

CONSTITUTIONAL AMENDMENTS proposed by BofD (E.E. Apr., pp. 1, 4E, 4F) and to be voted on simultaneously with elections are explained in detail in Spectrum, June, pp. 38-43. For timetable see item "Nominations for Election," above.

IEEE'S NON-TECHNICAL EXPANSION, the "hottest" subject in IEEE at the moment, was treated in some detail by President Tanner in E.E. Apr., pp. 1, 4E-4F. The wording of BofD's proposed Constitutional amendments to effect the changes desired by polled members was determined by the May BofD and will appear in June Spectrum, pp. 38-43, in an article by the General Manager, q. v.; reproduction proofs were furnished Section chairmen and Group/Society presidents.

The part to be played in this matter by organizationally-concerned E.E. readers is to exert every effort to get out the vote. Last year's voting was followed by BofD actions (1) to poll membership opinion by questionnaire, (2) to put in motion this year's Constitutional amendments and anticipatory actions promptly to implement them.

Get out the vote. (See Constitution, Art. XIV, Sec. 2.) It is desirable that, whatever the result, it truly represent all the membership entitled to vote. Also see Tanner, E.E. Apr., p. 4F, voicing BofD's hope that the amendments will be approved "by a substantially larger vote than the required two-thirds" of ballots cast. Get out the vote!

1973 DUES INCREASE. January BofD (E.E. Feb., p. 3) approved in principle a dues increase, effective Jan. 1, 1973.

The May BofD made the increases above the present level of \$25 per year definitive. In all Regions the dues, proper, for members except Students will rise \$5 per year, that is, to \$30 from \$25. In Regions 8, 9,

10 (outside U. S. and Canada), that is the total increase. The \$5 dues increase will be applied generally to meet the costs of carrying on present service.

In the U. S. and Canada additional mandatory assessments for members except Students will be collected with the dues, for the specific benefit of members in Regions 1 to 7. In Canada a \$7 assessment will bring the annual payment per member to \$37, from \$25. The \$7 assessment will be applied to special services in Canada, voted by Region 7. (Cf. Bylaw 401.17—E.E. Feb., p. 3.)

In Regions 1 to 6 (U. S.) the added assessment will be \$5, increasing total payments to \$35 annually. Assessments will accrue to the benefit of U. S. members. (E.E. Feb., p. 3.) Each U. S. member, when he pays his dues and assessment, will be asked to indicate the application of the assessment he pays: either (1) for activities in non-technical, professional areas; or (2) additional technical activities.

TECHNOLOGY ASSESSMENT is being called "TA," according to a feature article in Wall Street Journal, May 2, and is taking the aspect of "formalized attempts to forecast and thus prevent bad side-effects from good machines." Congress is creating an Office of Technology Assessment to farm out legislators' technical problems to industrial and academic contractors for study. State governments, too, "are putting TA signs on office doors."

The Executive Committee of BofD (Exec-Com) in March approved IEEE's Technology Forecasting & Assessment (TFA) program (E.E. Feb., pp. 3-4; Apr., p. 3; Spectrum, Dec. '71, pp. 8-9) and authorized submittal of a request to NSF for supplementary funding.

The external impact of IEEE's TFA program lies in assisting decision-makers in government, industry, and education to set priorities for program, financial, and personnel support, initially at the research and development (R&D) level. Internal impact would be directly coupled to career

development, continuing education, and future employment of IEEE members in electrotechnology.

Thus Institute aims square with the public objective of having designs of machines and systems changed before they are introduced, if bad side effects are forecast.

CONFERENCE WITH INDUSTRIAL LEADERS at St. Charles, Illinois, (E.E. Apr., p. 2), on respective roles of industry and engineering societies in socioeconomic affairs of a public nature, was well attended. A report is being prepared in behalf of the participating societies: American Society of Mechanical Engineers (ASME), National Society of Professional Engineers (NSPE), and IEEE's BofD. There will be due notice of where the report will appear or can be obtained.

WASHINGTON OFFICE. Ralph Clark, appointed head (E.E. Apr., p. 3), will gradually get under his full-time load during 1972. The office is open and being maintained under his direction.

ASME opened a Washington office in April in quarters of NSPE, and appointed Wm. P. Miller as representative.

HARADEN PRATT AWARD (E.E. Apr., p. 4). By standing ovation, May BofD named Director Emeritus and Editor Emeritus Alfred N. Goldsmith the first recipient.

#### PUBLICATION NEWS

U. S. COPYRIGHT ACT. On recommendation of IEEE Publications Board (PUB) ExecCom in April appropriated funds to make possible IEEE's participation in a study by George Washington University of now-pending Senate Bill 644, on revision of the copyright law.

1971 INDEX TO PERIODICALS (IEEE Proceedings, Transactions, Journals, and Spectrum) is now off the press. (E.E. Apr., p. 4). \$7.50 to members; \$15 to others. (Spectrum, May, p. 10.) (Orders, information, Elizabeth Braham)

IEEE PRESS. Need to go to a second printing of two of the book titles shows that

this IEEE venture is meeting with initial success. The Wiley outlet is meeting expectations in developing a market promptly; and IEEE's own sales show that our projections of members' demand were conservative. (E.E. Feb., p. 4E.)

#### EDUCATION NEWS

COLLEGE ENROLLMENTS. A recent Engineering Manpower Commission (EMC) study of 282 schools shows freshman enrollment at U. S. engineering colleges down 18% in 1972 compared with 1971—a distinct danger signal in IEEE's future considering our reliance upon automatic transfers to professional grades upon graduation.

IEEE Students, predominantly electrical/electronics upperclassmen, have fallen off 18%: 17,673 in March '72 vs. 21,547 on same date in '71.

PRE-COLLEGE GUIDANCE is a grammar- and high-school activity pursued in Sections with varying degrees of success. Under present conditions of over-reacting, when some guidance counselors are taking dim to negative views of engineering careers, positive action on IEEE's part (in addition to the broader engineering approach taken by the Engineers Council for Professional Development—ECPD, to which we subscribe) is the order of the day. (E.E. Aug. '69, p. 3).

Not to be underemphasized is the 9-year time lag to "fill the pipeline" between the last year in junior-high and graduation from college.

Within our Educational Activities Board (EAB) Joe Bregar heads up Pre-College Guidance. He is assembling material to supplement the not inconsiderable material—pamphlets, brochures, flyers, suggestions—heretofore put at the disposal of Sections. He would appreciate correspondence and suggestions from the field for strengthening our influence on students, parents, and guidance counselors; or brief accounts he may use of person-to-person approaches which have been found to work in steering youngsters toward an education in our line. Mr. Bregar's address is Western Electric, 555 Union Blvd., Allentown, Pa. 18103. He wants to whip this stuff up for Fall use.

E.E. is sent without cost beyond dues to officers of IEEE Boards, Committees; Divisions, Societies, Groups, Conferences; Regions, Councils, Sections, Subsections, Chapters, and Branches. Second-class postage is paid at New York, N. Y.

## CONVENTION NEWS

INTERCON '72 AND '73. Registration of 24,304 for the 30th consecutive March Convention, Intercon '72, reflected an anticipated falloff in attendance: 35,228 in '71. (See E.E. Oct. '70, p. 4; Apr. '71, p. 8.) Attendance at technical meetings was 7,416.

Departing from March Convention practice of the recent past, Intercon '73 will broadcast a Call for Papers. The technical program, under Jack Raper, will be grouped about 10 topics in seminar-like concentration, each composed of a mix of invited and accepted papers.

Exhibits will be clustered in an exciting "Electronics Mall" concept with 10 categories of products.

Under the theme "Solid State Shapes the Future," a special theme area will feature the progress of semiconductor applications in such fields as automotive, marine, power, processing, and pollution, in addition to the more usual electron-device uses. (Details available mid-June, Bill Hilty)

IEEE and Electronic Industries Association (EIA) will collaborate in the observance of the transistor's 25th anniversary. Focal point will be presentation of commemorative medals to the three inventors: John Bardeen (IEEE Medal of Honor, '71), William Shockley (IEEE Liebmann Award, '52), and Walter Brittain.

## REGION AND SECTION NEWS

OUTSTANDING-LECTURE TOURS. Two lists of speakers have been given in E.E.: Feb., pp. 4K-4L; Apr., 4A-4B. A form facilitating requests and reports, which was included in E.E. Feb., p. 4B, is repeated in this issue, p. 4D. Names of organizers of Groups/Societies Speakers Bureau are given on p. 4C for the information of Chapter and Section meetings program chairmen.

Financial support, to supplement Sections' own resources, is available if necessary from IEEE to meet lecturers' expenses. (Information, Peter Edmonds)

"KNOW YOUR DIRECTOR!" New Section chairmen, particularly, should use the Two-Way Street leading to and from his

Director. The Director is the Section's freeway right in to the BofD: the chairman who is sensitive to grassroots opinion and desires will use the street in that direction. In the other will come the inspiration to become the Director's alter ego, to effectuate objectives and grow with the Institute.

## SECTION EXECUTIVE COMMITTEES.

First order of current business is appointment of committee chairmen and personnel for the coming year, so that they may organize high-gear operations in late summer, preparatory to early fall resumption of activities.

## COMMITTEE-CHAIRMAN APPOINTEES.

Incoming section chairmen are requested to furnish IEEE the names of chairmen of Section committees as soon as appointed.

## ORGANIZATION ROSTER, SEPT. '72.

Before ink is dry on the March '72 Roster preparations go forward for the thousands of changes linked to shifts in the officers of Sections, Subsections, Chapters, on July 1.

Lest issuance of September Roster be delayed, it is of utmost importance that superseding information be sent to IEEE direct within 20 days after election or appointment in each case (not 20 days after taking office!) (Bylaw 402.5, para. 7)

1972 DUES IN ARREARS. See E.E. Dec., p. 7. Emily Sirjane, from her watchtower, says some Sections are doing a bang-up job on telephone and personal follow-up, with excellent results in retaining members. Boston, for example, with a list of 900, made contact with every last one. She takes this means of congratulating Section chairmen and membership committees "way up on their toes."

MEMBERSHIP PROMOTION IN TRANSACTIONS. To test response, four Group/Society Transactions have consented to run full-page ads in 1972 promoting IEEE and Group/Society memberships.

SECTION MANUALS. Incoming Section chairmen are automatically provided with a rainbow of manuals (13, no less) containing guidelines for successful Section committees' operations. Utter familiarity



# TECHNICAL ACTIVITIES BOARD

## PRICE OF IEEE PRODUCTS

In the February 1972 issue of EE, sheet 4-G, price lists were given for the principal IEEE Products (back issues of Transactions and Journals, Conference Publications, Standards, books, audio equipment, etc.). This price schedule is based on a list price to which a discount is applied to obtain the member price. Unfortunately, the April issue of Spectrum published a prior price schedule. Please disregard this error. Effective last February, a price schedule was based on a single list price for each item. Generally, the member price for periodicals is a 50% discount and for other publications there is a 25% discount. However, for Regions 8, 9, and 10 the member discount for conference publications is 50% from the list price.

## GROUP/SOCIETY EMBLEMS AND PINS

The IEEE Board, at its May 2 - 3 Meeting adopted the following guideline with respect to Group/Society emblems and the procurement of pins or other devices.

- "(a) Each Group/Society on its own initiative may adopt an emblem, subject to prior legal trademark review conducted by IEEE Headquarters.
- (b) If any such emblem design incorporates features of the IEEE emblem, before adoption the question of possible jeopardy of the IEEE emblem trademark shall be resolved through IEEE Headquarters.
- (c) A Group/Society with an emblem may, at its own financial risk, design and procure pins or other devices for sale to its members.
- (d) The IEEE emblem logo type must appear, in addition to the Group/Society emblem, on printed material."

## IEEE CIRCUIT THEORY GROUP BECOMES SOCIETY

At its May 2 - 3 Meeting the IEEE Board approved Society status for the IEEE Circuit Theory Group. Action on a proposed change in name was withheld pending a TAB recommendation.

## TECHNICAL PROFILE STATISTICS AND LISTS

In responding to the 1972 billing for IEEE dues and Group/Society fees, many members also indicated their interests in technical categories. These categories had generally been designed to correspond to the Group and Society and their Technical Committees. An employment survey mailed to all IEEE members in May 1972, makes use of the same technical profile categories. Anyone desiring the list of the categories should make a request to the TAB Office, IEEE Headquarters.

It is now possible for us to produce either counts or labels based on the data stored in the Headquarter's computer. For example, one might ask for all members in a particular Region (or Section) who expressed an interest in any one (or several) categories. Or one might ask for only members of a particular Group who had specified a primary interest (N=1) in a particular topic. Until we have had more experience and know our operating costs, our charges for internal IEEE use will be 2 cents each for labels and 1 cent for each count. Labels for "outside" activities will be 6 cents each; no statistical tabulations will be made available outside. Please note that we may make a selection of those who only indicated a primary interest in the category (N=1), a second or third order interest (N=3), or for a general interest anywhere among the 10 possible choices (N=10).

### CHARGES FOR IEEE LABELS

The current rate for IEEE labels in either Avery or Cheshire, 4-up, is .01 cent each for IEEE internal purposes and .04 cents for outside organizations. The question has been raised concerning the rate that would apply to a Conference cosponsored by IEEE and another organization. The Joint RAB/TAB Technical Meetings Committee, at its April 5 Meeting, took a position that the .01 cent per label rate should apply only if the IEEE cosponsoring entity, e.g., Group or Society, had negotiated equivalent rates with the other cosponsor. In the absence of such a negotiation and agreement, a .04 cents per label rate will apply.



## REGIONAL OUTSTANDING LECTURE TOURS

Previous blue inserts in the February and April issues of 'EE' have listed speakers who may be invited to address Section or Chapter meetings. Costs involved are reimbursable from IEEE general funds when requested prior to inviting a speaker (contact Peter Edmonds, (212) 752-6800, Ext. 333).

Several Groups and Societies have also assembled lists of speakers for the benefit of their Chapters. Information on these lists may be obtained from the following Organizers of G/S Speakers Bureaux:

### Audio and Electroacoustics Group

Helmuth Etzold, Secretary-Treasurer  
Dept. of Electrical Engineering  
University of Rhode Island  
Kingston, R.I. 02881  
(401) 792-2517

### Computer Society

Harry Hayman, Executive Secretary  
P. O. Box 639  
Silver Spring, Md. 20901  
(301) 439-7007

### Engineering in Medicine and Biology Group

Edwin C. Lowenberg, Secretary-Treasurer  
Electrical Engineering Dept.  
University of Nebraska  
Lincoln, Nb. 68508  
(402) 472-2369

### Microwave Theory and Techniques Group

Lawrence R. Whicker, Chairman;  
Chapter Act. Comte.  
Code 5250  
Naval Research Lab.  
Washington, D.C. 20390  
(202) 767-3312

### Reliability Group

H. D. Hulme  
Westinghouse Electric Corp.  
Electronic Tube Div.  
P. O. Box 284  
Elmira, N. Y.  
(607) 739-7951, Ext. 248

### Circuit Theory Group

Tom M. Hyltin  
Manager, Microwave Products  
Texas Instruments, Inc.  
Semiconductor Div.  
P. O. Box 5012  
Mail Station 16  
Dallas, Tx. 75222  
(214) 238-2011

### Engineering Management Group

C. S. Summers  
AFOSR/NE  
1400 Wilson Blvd.  
Arlington, Va. 22209  
(202) 694-5588

### Magnetics Society

Bernard F. Desavage, Chairman;  
Chapters Comte.  
U.S. Naval Ordnance Lab.  
Silver Spring, Md. 20910  
(301) 434-7100

### Power Engineering Society

H. W. Carlson, Chairman; Chapters Comte.  
Philadelphia Electric Co.  
1000 Chestnut Street  
Philadelphia, Pa. 19105  
(215) 922-4700

### Systems, Man and Cybernetics Society

Edgar H. Bristol, Chapters Chairman  
6 Maple Place  
Foxboro, Mass. 02035  
(617) 543-8829

Section officers wishing to invite speakers on the Groups and Societies' list should contact IEEE Headquarters (P. D. Edmonds) in advance, if financial assistance is needed.

Feedback from Section officers will greatly assist in designing the Tours program to meet their needs. Information can be fed back by returning the form below, stating:

- (a) descriptions of topics desired and/or the profile of a desirable speaker.
- (b) the names and addresses of speakers who have been particularly successful at recent Section meetings, so that other Sections may have the same benefits.

Please respond at your earliest convenience.

IEEE REGIONAL OUTSTANDING LECTURE TOUR

- (1) Request for speaker listed in EE: (name) \_\_\_\_\_  
Preferred dates \_\_\_\_\_  
Location of meeting \_\_\_\_\_
- (2) Request for speaker to discuss: (topic) \_\_\_\_\_  
Suggested speaker not listed in EE \_\_\_\_\_  
(please provide name or profile to be matched, e.g. experience, attitudes, audience interests) \_\_\_\_\_
- (3) Recommended speaker for other Sections: (name) \_\_\_\_\_  
(address) \_\_\_\_\_  
Approximate date of successful meeting addressed by this speaker: \_\_\_\_\_  
(date) \_\_\_\_\_ and topic: \_\_\_\_\_

Please return to:

Peter D. Edmonds  
Administrator - Tech. Svc.  
IEEE  
345 East 47th Street  
New York, N. Y. 10017

Please print your name and Section

Phone Number



IEEE BYLAW CHANGES

Updating to May 3, 1972  
the edition of Jan. 12-13, 1972

MEMBERSHIP

Qualifications

105.2 - Fellow: The grade of Fellow is one of unusual professional distinction and shall be conferred only by invitation of the Board of Directors upon a person of outstanding and extraordinary qualifications and experience in the fields of electrical engineering, electronics, radio, allied branches of engineering or the related arts and sciences, who has made important individual contributions to one or more of these fields. The candidate shall meet the requirements for Senior Member as stated in these Bylaws and shall have been a member in any grade for a period of seven years or more preceding the year of nomination, except that the seven-year provision in any individual case may be waived for cause by the Board of Directors.

Admissions & Transfers

108.5 - The entrance fee and annual dues shall be payable with the application for admission to membership. Should the applicant fail of admission to membership, the sum remitted with the application shall be refunded. Payments of annual dues, Group fees and subscription fees by newly elected members except Student members may be made in two equal installments, the first upon application for membership and the second in accordance with Bylaw 110.1.

Dues

109.5 - When a member, having informed the IEEE Headquarters Office that he has become unemployed through involuntary termination and that he is seeking re-employment, requests a reduction in dues and other fees, he shall be entitled to receive the privileges and services of membership for the calendar year 1973 upon payment of (1) one-half of the member dues and (2) one-half of Group and Society fees and subscription fees, if any, and (3) one-half of Regional assessments, said payment being due July 1, 1973. Notice of this privilege shall be published to the membership at large in the IEEE SPECTRUM.

Billing

110.1 - The annual dues period is the calendar year. A bill covering annual dues, Group fees and subscriptions, and Regional assessments shall be mailed to every member not later than the beginning of the annual dues period. This bill may be paid in two equal installments due January first and July first. The first installment shall be paid not later than two

months, and the second installment not later than eight months, after the beginning of the annual dues period. During calendar year 1973 the payment privileges specified in Bylaw 109.5 shall apply for unemployed members.

ANNUAL ASSEMBLY

Functions

203.1 - The annual Assembly shall elect the following additional Directors for terms of one year: the Vice-President - Publication Activities (who shall serve as Chairman of the Publications Board), the Vice-President - Regional Activities (who shall serve as Chairman of the Regional Activities Board), the Vice-President - Technical Activities (who shall serve as Chairman of the Technical Activities Board), the Chairman of the Educational Activities Board, the Secretary, the Treasurer, the Vice-Chairman of the Technical Activities Board, and the Executive Director. The annual Assembly shall additionally, in alternate years, elect a Director to represent Region 10, who shall serve a term of two years.

MANAGEMENT

Executive Committee (Effective Jan. 1, 1973)

302.2 - The Executive Committee shall be comprised of the President, the Vice-President elected by the voting members, the three Vice-Presidents elected by the annual Assembly, the Junior Past President, the Treasurer, the Secretary, the Chairman of the Educational Activities Board, and the Executive Director. The President shall be Chairman, the Vice-President elected by the voting members shall be Vice-Chairman, and the Secretary shall be Secretary thereof.

Corporate Officers (Effective Jan. 1, 1973)

303.1 - As provided in the Constitution, the Corporate Officers of the IEEE shall be the President, the four Vice-Presidents, the Secretary, the Treasurer, a total of seven. Corporate Officers shall be of Fellow or Senior Member grade.

303.3 - There shall be four Vice-Presidents of the IEEE. One of these shall be elected by the voting members for a term of office of one year, by virtue of which election he shall also be a Delegate-at-Large and a Director-at-Large. The other Vice-Presidents shall be elected by the annual Assembly, for a term of one year, by virtue of which election they shall also be Directors. One of the Vice-Presidents elected by the annual Assembly shall be

designated "Vice-President - Technical Activities" and shall be Chairman of the Technical Activities Board. Another Vice-President elected by the annual Assembly shall be designated "Vice-President - Publication Activities" and shall be Chairman of the Publications Board. Another Vice-President elected by the annual Assembly shall be designated "Vice-President - Regional Activities" and shall be Chairman of the Regional Activities Board. The last named three Vice-Presidents shall serve as coordinators of their respective activities on the Executive Committee.

#### Conference Board

306.2 - The Conference Board shall consist of . . . etc. (Note - Only change is in the 13th line, where "July 1" supersedes "November 1.")

#### Publications Board

308.3 - The following committees and boards shall be appointed by and responsible to the Publications Board:

Editorial Board, IEEE SPECTRUM  
Editorial Board, PROCEEDINGS OF THE IEEE  
Editorial Board, IEEE PRESS  
Information Services Committee

#### Regional Activities Board (Effective 1-1-'73)

309.1, lines 6-7) (Note - Same change in both)  
309.4, lines 2-3)

Substitute "Vice-President - Regional Activities" for "Vice-President elected by the voting members."

#### Standing Committees - Nominat'ns & Appointm'ts

311.9, para. 4 - The Nominations and Appointments Committee shall consist of not more than twelve members, all appointed by the Board of Directors, to serve for a term of one year commencing April 1. The Chairman shall be the Junior Past President who shall continue as Chairman during his term as Senior Past President until the Chairmanship is assumed by the succeeding Junior Past President. The President and the Senior Past President then in office shall be members. The Board of Directors shall appoint, from a slate submitted by the Nominations and Appointments Committee, three members from among the Divisional Directors who are serving the second year in office or have completed their term in the preceding year and, for the convenience of the Board of Directors, the Nominations and Appointments Committee shall provide a slate of six candidates, not otherwise eligible, at least three of whom may not be members of the current Board of Directors.

#### 700. GENERAL MEETING OF MEMBERS (New Bylaw)

701. Quorum: Fifteen percent of the total number of voting members as recorded in the official IEEE membership records at the end of the previous year, shall constitute a quorum at any general meeting of members, including but not limited to a general meeting held to vote on proposed amendments to IEEE's Certificate of Consolidation.

with this material will do more for a Section officer in relation to his IEEE duties than a college education.

P. S.—A Section workshop, if you can get to one, affords a 3-dimensional opportunity to communicate as well as educate. In that, it's one-up on the manuals.

DIRECTORS' BIOGRAPHIES. With the Section Manuals, new Section chairmen are sent a sheet showing his Regional Director's address, phone number, a photo, his general and IEEE biographies; also a map of the Region by Areas, states, and counties. (Copy—name the Region—Emily Sirjane)

WORKSHOPS FOR LARGE SECTIONS. That Sections having upwards of 4,000 members have special problems has been recognized by the holding, in May, of a special workshop in New York, and in July of one in Los Angeles. Organized by W. W. Middleton, the principal areas treated are administration, funding, Chapter relations, and membership.

LABELS FOR SECTION MAILINGS. Only 40% of our Sections obtain address labels by automatic striplists on standing order from IEEE. (See schedule of charges, pink centerfold, E.E. Feb., pp. 4I-4J.) For 10 meetings a year, the annual cost comes to only 10-cents a member.

Unless a Section happily enjoys mailing courtesy extended by some friendly employer free of charge, it probably uses the printer or a local service bureau. IEEE can beat him on price and service. And using our facilities helps us maintain the service for everyone. (Inquiries, news bulletin, Bill Keyes)

When IEEE delivers labels to meet your mailing dates, they are hot off the computer. For good measure IEEE codes each label by week and year, just as food stores date their milk. Certified fresh. You don't want eggs with chickens in them—why use labels from stale lists?

POLAND SECTION? On a recent trip to Europe Vice President Chestnut visited Poland to investigate the establishment

of a Section there. This is being further explored.

#### STUDENT NEWS

RETENTION OF COLLEGE GRADUATES after upgrading upon graduation. This poses a two-pronged problem, half of which consists of the college Branch's gingerly letting go of a Student (E.E. June '71, p. 5); the other half consisting of some Section's carefully picking him up as a Bylaw-105.6bc-upgraded Member or Associate—without losing him down the crack. E.E. Dec., pp. 1-2)

This is the most widespread critical transition in the Institute, and worthy of the machinery which has been devised to prevent losses. Letters with reply cards were sent to graduating Students in April-May. Letters seeking cooperation of all Counselors and Student Branch chairmen went out at the same time. (Copies, Bob Asdal)

STUDENT DUES -IN-ARREARS. Peter T. Mauzey, chairman, Student Activities Committee (SAC) has written Counselors and Branch chairmen asking for a follow-up on lists of Student members who had not paid their dues by Feb. 29. See E.E. Apr., p. 5, for action requested on all non-paid-up members; and item above: "1972 Dues in Arrears" under Section News.

STUDENT POLICY & PLANNING COMMITTEE (SPPC), consisting of 10 IEEE Students (college Juniors) in Regions 1-8, formed to assume a voting role in SAC, met with SAC, the Regional Activities Board (RAB), the Educational Activities Board (EAB), and the Long Range Planning Committee (LRPC) at Intercon '72 in March. An article in May Spectrum, pp. 8-9, traces SPPC's beginnings. SPPC members will provide a needed link between SAC (which is Institute-wide) and the Counselors and Branch chairmen in their Regions.

At the Branch Counselors' Forum, SPPC members were invited to sound off. They did. They ribbed Counselors for failing to share with Branch officers

an "understanding" of IEEE—specifically for not passing E.E. on for them to read. (See next item, rectifying this matter.) They deprecated the vastnesses separating BofD from the Branch, "low man on the totem pole." They contrasted this with the way doors had been opened for them at Intercon. They commented favorably on the inspiration of having the President just walk into meetings and ask questions. They hoped IEEE would begin to consult Students on Student matters—even in the choice of Counselors! They sensed a need for teaming of Students with working engineers in the Sections.

There will be a mop-up meeting in November preliminary to SAC's evaluation of SPPC's work. It is anticipated that SPPC representatives will be changed annually.

**E.E. FOR STUDENT BRANCH CHAIRMEN.** To rectify quickly E.E.'s long-standing oversight, beginning with this issue we are sending two copies to each Counselor with a request that he see that one reaches his Student Branch chairman.

If, in the future, direct mailings to Branch chairmen become feasible, that procedure will be substituted.

Branch chairmen should read, use, and share E.E. with interested Students, and should discuss pertinent items with Counselors.

**NEW STUDENT BRANCHES.** E.E. begins to list them, with this issue. See "Welcome Aboard!"

## WELCOME ABOARD!

### New Section:

Eastern Shore Section. Formerly Eastern Shore Subsection of Baltimore Section, to the Maryland territory of which are now added two counties in Virginia, changing the boundary between Regions 2 and 3.

### New Group/Society Chapters in Sections:

Denver Section: Joint Instrument & Measurement/Electromagnetic Compatibility Groups Chapter.

Israel Section: Joint Antennas & Propagation/Electron Devices/Microwave Theory & Techniques Groups Chapter.

New Zealand Section: Industry Applications Society Chapter.

Tokyo Section: Antennas & Propagation Group Chapter.

### Reconstituted Chapters in Sections:

Buffalo Section: Joint Power Engineering/Industry Applications Societies Chapter (formerly separate).

Joint Eastern North Carolina/Western North Carolina/Winston Salem Sections: Joint Information Theory Group/Communications Society Chapter (formerly Information Theory Group Chapter).

### New Student Branches:

Anne Arundel Community College, Arnold, Maryland.

Central Missouri State College, Warrensburg, Missouri.

Florida Atlantic University, Boca Raton, Florida.

Metropolitan State University, Denver, Colorado.

Memorial University of Newfoundland, St. John's, Nfld., Canada.

\* \* \*

### Centerfold pages:

Green - TAB News	4A-4B
Blue - Outstanding Lecturers	4C-4D
White - Bylaw Changes	4E-4F