OCTOBER 1974

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A management newsletter on IEEE operations . . . to encourage communication among all organizational entities and the staff

STUDENT ACTIVITIES DEPT.

ELECTRICAL ENGINEERING®

NEW GENERAL MANAGER NAMED

Dr. Herbert A. Schulke, Jr., of Washington, D. C., has been named General Manager of the Institute by the Board of Directors to succeed Donald G. Fink. Schulke will assume his new post January 1.

Dr. Schulke, a Major General in the U.S. Army, is currently Director of Communications Electronics in the Organization of the Joint Chiefs of Staff. A Fellow of the IEEE, he has had 28 years of experience in electronics and communications. Schulke presently serves on the Administrative Committee for the IEEE Aerospace and Electronics Systems Society. He holds a B.S. from the U.S. Military Academy at West Point and a Ph. D. in EE from the University of Illinois.

His professional background includes being Associate Professor of EE at West Point, Chief Program Planner for the Deputy Director of Defense, Chief Planner and Deputy Director of Operations of the Defense Communications Agency. (See Oct. Spectrum, p. 26.)



IEEE General Manager-designate Herbert "Judd" Schulke (right) is discussing the "ins and outs" of the Institute with President John Guarrera.



TOP-SIDE DEVELOPMENTS

BYLAW CHANGES in record numbers were approved at the September meeting of the Board of Directors (BofD). Important changes include the creation of two new Vice Presidents--for Educational Activities and Professional Activities--a new Board--United States Activities Board--and a new title for the Vice President elected by the voting members--Executive Vice President. A more complete rundown of new Bylaws is included in the centerfold on page 4U.

CHAIRMEN OF STANDING committees and Boards were partially named at the WES-CON BofD meeting. The list so far is:

Admission and Advancement Com Donald S. Brereton
Awards Board - C. C. Cutler
Fellow Com - Nathan Cohn
History Com - John D. Ryder
Intersociety Relations Com - Harold

Life Member Fund Com - Charles F. Savage

Long Range Planning Com - Robert H.
Tanner

Public Relations Com - W. B. Dennen, Jr. Tellers Com - R. J. Borrman

PRODS AND OPPORTUNITIES

IEEE ORGANIZATIONAL LEADERS are urged to submit recommendations for Institute-wide chairmen and committees. Catch a rising local star and send him or her to the Nominations and Appointments Committee (N&A). It's good for them and good for your Section. Two form B-50s are included on page 4E for you convenience.

VOTE REMINDER.... Ballots are due November 1 at 12 PM.

ELECTRICAL ENGINEERING® is published bi-monthly by IEEE, 345 East 47 Street, New York, N.Y. 10017

ASEE is seeking participants and papers for a Congress on Educating Engineers for World Development. The week-long meeting will be held at Colorado State University, Ft. Collins, Col. in June, 1975. IEEE members are invited to contact T. T. Woodson, Chairman, Steering Committee, Harvey Mudd College, Claremont, Calif. 91711. (714) 626-8511, x2894.

INTEREST ON FUND BALANCES for Sections, Regions and Group/Societies were set at the Sept. ExecCom meeting. Rates and explanations on page 4M.

FEDERAL GOVERNMENT is recruiting to fill more than 2700 engineering vacancies throughout the U. S. A brochure, called "Who's Hiring Engineers," describing the jobs and locations is available along with applications from the U.S. Civil Service Commission, Office of Recruitment and College Relations, Washington, D.C. 20415. Speakers for groups to talk about government career opportunities are also available. Call or write your regional Civil Service Commission office or the main office in D.C.

ALL FOR ONE DEPT. --Nxxdxd vxry much!! Xvxn though my typxwritxr is an old modxl, it works quitx wxll xxcxpt for onx kxy. Thxrx arx 46 kxys that function wxll xnough, but just onx kxy not working makxs thx diffxrxncx.

Somxtimxs it sxxms to mx that our group is somxwhat likx my typxwritxr, not all thx kxys arx working propxrly. You may say, "Wxll, I am only onx pxrson. It won't makx much diffxrxncx." But, you sxx, thx group to bx xffxtivx nxxds thx activx participation of xvxry pxrson.

So, the nxxt timx you think you arx only onx pxrson and that your xffort is not nxxdxd, rxmxmbxr my typxwritxr and say to yoursxlf, "I am a kxy pxrson and nxxdxd vxry much."

CONGRESSIONAL FELLOW program has been extended through 1975/76. Information and applications -- contact Ralph Clark,

IEEE Washington Office, 2029 K Street, N.W., Washington, D.C. 20006.

TAX REFORM LEGISLATION, currently in the U.S. House of Representatives' Ways and Means Committee, proposes that the first \$200 of employee business expenses no longer be tax deductible. If this provision is passed, IEEE members may not deduct their IEEE dues on their Federal Income Tax Returns unless they had \$200 in other employee expenses.

The Chairman of the Ways and Means Committee is Rep. Wilbur Mills (D-Ark.). Send your opinions on this provision of the "Tax Reform Act of 1974" to him (address: House of Representatives, Washington, D. C. 20515).

TAB NEWS

TRANSACTIONS ON SOFTWARE Engineering debuts in Spring 1975 to "meet the demand for communication among computer specialists...related to software engineering." Voluntary page charges will be adopted (see Aug. EE, page 2) and publication will be 4 times/year. Editor is yet-to-beannounced. Cost to Computer Society members is \$4 for either full size or microfiche edition, \$6 for both. If you missed ordering on '75 dues bill, send check to HQ specifying option: #16-64 (full size), #16-128 (microfiche) or #16-192 (both).

SPECIAL MEMBERSHIP CATEGORIES for Groups/Societies (G/S) were approved by TAB in Sept. IEEE Life Members (LMs) can become G/S LMs providing they have been G/S members for five years previous to becoming an LM. Similar provisions for G/S are made to parallel the Bylaws for Retired Members and unemployed members. Free G/S publications will be available to G/S Life Members only upon request. (See Bylaws 101, 109.3 and 109.5.)

RAB NEWS

FELLOW NOMINATION announcements, included on page 4I of this issue, explain

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.

the procedures and changes for entering 1975 nominations. Nominators should note that the application kits are new and must be used. Nomination deadline is April 30, 1975. Contact Emily Sirjane. (See Nov. Spectrum.)

FELLOWS--PART II. The BofD will announce the 1974 Fellow-designees at the Dec. 6 meeting. Incoming Fellows will have their choice of presentation site. Remember, it is an opportunity for the IEEE to honor its outstanding members through a public presentation.

SECTION CHAIRMEN AND TREASURERS will be receiving information in October to help prepare 1974 Section Financial Reports due in HQ by 2/1/75. For answers refer to Mike Sosa, Manager, Finance, (201) 753-6142.

STATE SALES TAX BUREAUS should be hooked into your communication pipeline by now. See Important Announcement, June 1, 1974 to IEEE Section Chairmen, Regions 1-6. Questions? Mike Sosa at HQ.

NOMINATIONS AND APPOINTMENTS Committee (N&A) is seeking names from IEEE organizational units and individuals to be considered for IEEE President and Executive Vice President (see new Bylaw 301) for 1976. Nominees shall be Senior Members or Fellows (Bylaw 104.3). Use B-50 forms on page 4E. Date due: 2/1/75. Contact Emily Sirjane. (See Constitution Art. XII, Bylaws 311.9, 313.1-313.3 and Policies 12.2A).

THANKS TO SECTIONS for their contributions to the encouraging rise in new IEEE membership and more importantly in arrears members paid up.

STUDENT NEWS

HAM NET FREQUENCY CHANGED from 3.785 to 3.985 MHz at the first session held September 9. Fred Crosset, Counselor at the Univ. of Arkansas (W5YM) reports, "We got a lot of enthusiasm and

expect we'll continue to improve our participation in upcoming sessions." Join W5YM and other IEEE hams across North America at their next session. On the air 2nd and 4th Tues. of each month until June at 9PM CDT.

PROMOTE NEW MEMBERSHIP NOW.
October to December are key student membership months. New members get 15 months for the price of 12 if they join now.
Let prospective members know that IEEE membership is a sound professional choice. Check the new student brochure for services. Call or write Bob Asdal, Manager, Student Services.

SPEAKER ENCORE. IEEE HQ wants to know the names and addresses of your outstanding speakers during the academic year. Put it on your annual report. A new resources directory will be published in 1975 with the help of your recommendations. Contact Bob Asdal.

ANNUAL FINANCIAL STATEMENT and Report forms will be in the mail to each branch by November. Completed forms with copies to Section and Region Student Activities Chairmen due at HQ Feb. 1, 1975.

PUB NEWS

REPRINTS NON GRATIA. Permission to reprint from IEEE publications for commercial use will now cost the permittee \$100/paper and \$25/short item. Direct reprint permission for non-commercial use is still free. Requests and questions go to Elwood (Woody) K. Gannett. Director, Publishing Services.

ANNALS OF IEEE will be open to all members and expanded in 1975. The experimental service, developed with National Science Foundation support, offers a computer matching of members' technical interest with all IEEE papers published in that field. Subscribers receive a new list each month from which he may order as many or as few as he chooses. Papers are listed according to relevance of interest and the service subscriber may select his

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E.E. No. 54-3

own cut-off point. Fees have not been set up, but the service will go into operation in early 1975. Watch Spectrum and your mailbox for announcements. More information--contact Woody Gannett.

IEEE PRESS reports a new book, "Key Papers in the Development of Coding Theory." The collection, edited by Prof. Elwyn R. Berlekamp of Univ. of Calif. Berkeley, is 296 pages and contains 44 papers useful as reference and source book to students and researchers. Paperbound edition, only for members is \$7. Clothbound is \$13.95 for non-members and \$10.45 for members.

SOCIO-ECONOMIC

WANTED: SECTION PAC CHAIRMEN.
The new status of professional activities in IEEE (see Bylaw changes, p. 4V) emphasizes the need for Sections (Regions 1-6) to have representation on the national level with USAB's Professional Activities Coordination Committee (PAC) (Art Rossoff, Chairman) and on the local level to coordinate Section activities. More information is in PAC Handbook (see Tools and Aids, page 5) or write Art Rossoff, 14 Stafford Drive, Huntington Station, NY 11746.

WHILE YOU LOOK FOR PAC Chairmen, jot down recommendations for USAB Committee Chairmen and members (see IEEE PROFESSIONAL NEWS, Feb., 1974, page 3). Contact USAC Chairman Leo Young, 6407 Maiden Lane, Bethesda, MD 20034.

IEEE PENSION COMMITTEE has completed its first offering to members. Check October Spectrum for advertisement or centerfold page 4A-4B of this issue.

ENGINEERING IN INDUSTRY Conference "Pheasant Run Re-Run" was held in Atlanta, Ga. in Sept. Upper management-level industry reps met with IEEE officials to discuss problems of mutual concern to the working engineer and the industry that employs him. The purpose: determine a viable road for engineering societies in the areas of pensions, ethics, and employment

practices and to get feedback from industry. The conference was a Liaison Society activity with the NSPE.

CONVENTION NEWS

ELECTRO is the new name of the combined NEREM and INTERCON beginning 1976 in Boston. ExecCom approved ELECTRO Bylaws and will work on appropriate IEEE Bylaw changes.

SEE YOU AT INTERCON BANQUET TUES-DAY. If you show up for the INTERCON/75 banquet on Wednesday, April 9, you'll be late for dinner. The banquet is Tuesday, April 8. So mark it on your calendar and circle in RED.

INTERCON/75 offers Salon Booths—a European exhibition device that combines exhibit booth and conference room. Companies also have the option to take advantage of the INTERCON Applications Forum (by April it may be more aptly called Supplications Forum). Exhibitors will be able to invite the audience to a private product presentation far from the maddening crowd.

Technical sessions of outstanding merit will get extra mileage at April's show with the One-On-One Technical Forum, the brainchild of Conference Board member Jack Raper. Selected sessions will be invited to set up their visuals and presentations at the Coliseum for individual questions and answers by attendees. Oh my aching slide show!

WESCON WRAPPED UP its attendance audit a mere 16 hours after the show closed. The results certified by the Business Publications Audit's newly formed Exhibit Audit Bureau, showed a healthy 28,212 attendees, 53,600 sq. ft. of exhibit space, 331 exhibitors—all figures significantly higher than 1973 WESCON. Ted Shields, WESCON Assist. Mgr., was pleased with the totals.

WESCON also made a significant contribution to Los Angeles traffic congestion by parking a record 7600 cars during Wednesday showtime.

E.E. No. 54-4 October 1974



Announcing the IEEE Members' Group Annuity Plan.

This Plan now joins the list of important benefits available to you through your IEEE membership.

This Annuity Plan offers advantages of group purchase and administration and is designed to help

you with your post-retirement financial planning.

If you are concerned about financial security during your retirement years you may want to consider...

A guaranteed income for life.

This Plan would be helpful to members who are thinking about retirement and want a way to guarantee retirement income without assuming the responsibility and cost of investment management.

This new Plan enables IEEE members to make single premium annuity purchases through a master group contract—your monthly annuity benefits will generally be higher than if you bought an annuity as an individual.

The First National City Bank,

New York, New York is Trustee for the Plan. The Travelers Insurance Company, Hartford, Connecticut, one of the world's largest insurance companies with assets in excess of 9 billion dollars, guarantees the annuity payments.

Service is provided by the experienced staff of the firm which services the other approved insurance plans for IEEE members.

For more details, simply fill out and return the postpaid reply card without obligation.

Underwriter:

The Travelers Insurance Company Hartford, Connecticut 06115

Administrator:

IEEE Members' Group Annuity Plan 1775 Broadway—Suite 427 New York, New York 10019

E.E. No. 54-4A October 1974

Highlights of the IEEE Members' Group Annuity Plan.

Exclusively for IEEE members
Only members in good standing
of The Institute of Electrical and
Electronics Engineers, Inc. are eligible to
participate. This Plan was designed to
supplement your other retirement benefits
and offers the advantages of group
purchase rates as well as other guarantee
features.

What is an annuity?

• An annuity is purchased from an insurance company which guarantees you a monthly income for the rest of your life. There are two types of annuities available: 1) A single premium deferred annuity—the purchase is paid in a single sum, but income does not begin until a specified future date; 2) A single premium immediate annuity—the income begins immediately after the purchase is made.

3. Who would want to purchase an annuity?

IEEE members nearing or at retirement age who might want to convert a lifetime of savings or investments into a lifetime of guaranteed income—an income which cannot be outlived.

Why should I consider an annuity?

By purchasing an annuity you make one

simple investment. You then receive a guaranteed monthly benefit purchased at rates based on current interest earnings of The Travelers Insurance Company.

- An annuity can protect your independence by providing a steady and reliable source of income which can be so important to your personal freedom.
- An annuity can provide for continuing income to your spouse or beneficiary should you not live to receive all the benefits to which you are entitled.
- An annuity can provide a steady income to an individual for as long as he or she lives.

Are there any advantages to purchasing through a group? Yes. The annuity purchase rates allow you to guarantee your retirement income at a level which will be generally higher than if you bought an annuity as an individual.

Will an annuity affect my
Social Security benefit?

No. Your guaranteed monthly annuity income from The Travelers Insurance Company will supplement your Social Security benefits and any other source of retirement income you may have.



Resolution Adopted by IEEE Board At Its Meeting of September 9, 1974

WHEREAS, the IEEE Board of Directors has received word of the death of Doctor Alfred Norton Goldsmith on July 2, 1974, at the age of 85, and

WHEREAS, Doctor Goldsmith served as Founder of the Institute of Radio Engineers in 1912, as Secretary of the IRE in 1918, as President of the IRE in 1927, as Director of the IRE from 1912 to 1962, as Editor of the IRE Proceedings from 1912 to 1954, as Director Emeritus and Editor Emeritus of the IEEE from 1963 to 1974, and

WHEREAS, Doctor Goldsmith was honored by the Institute as recipient of the IRE Medal of Honor in 1941, the IRE Founders Award in 1954, and the IEEE Haraden Pratt Award in 1972, and

WHEREAS, Doctor Goldsmith served the IEEE and the IRE as officer and editor with distinction for a period of time equalled by no other member in their history,

NOW THEREFORE, The Board of Directors of The Institute of Electrical and Electronics Engineers expresses its gratitude for the unparalleled record of service rendered by Doctor Goldsmith to the profession, its profound sense of loss at his passing, and its admiring recognition of the energy, wisdom and grace with which he devoted his life to the betterment of science and technology.

For the Board of Directors by

September 9, 1974

John J. Guarrera, President (Signed)

E. E. No. 54-4B

October 1974

E. E. No. 54-4C

October 1974



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

GUIDELINES FOR RECOMMENDATION FOR IEEE LEADERSHIP AND SERVICE

THE IEEE IS A VOLUNTEER ORGANIZATION IN A VERY FAST EVOLVING PROFESSION. IEEE NEEDS THE HIGH QUALITY LEADERSHIP AND SERVICE OF COUNTLESS TALENTED AND ENERGETIC VOLUNTEERS ON ITS BOARDS AND COMMITTEES AT THE SECTION, REGION, GROUP/SOCIETY, DIVISION, AND INSTITUTE LEVELS. IT IS VITAL THAT A POOL OF TALENTED AND ENERGETIC PERSONS BE CONTINUOUSLY AVAILABLE FROM WHICH QUALIFIED PERSONS CAN BE CALLED UPON FOR LEADERSHIP AND SERVICE ROLES IN IEEE ACTIVITIES.

Individual members and all IEEE organizational units are invited to submit names of candidates for possible election or appointment to IEEE Offices, Boards and Committees. The IEEE Organization Roster, furnished periodically to officers of IEEE organizational units, contains a list of all Institute Offices, Boards and Committees.

OBJECTIVES

This form shall be used in submitting the names of potential appointees to IEEE leadership and service positions on Institute Committees and Boards. It may also be used to submit names for IEEE positions at the Institute, Regional, or Divisional level and as deemed advisable by other IEEE entities. Since the nominee is often unknown to some members of the Selection Committee(s), it is most important for the nominator to provide as much information about the individual as possible. Care should be exercised in filling out the recommendation form to insure its completeness. The nominator is invited to list additional pertinent information which cannot be accommodated on the recommendation form. The completed form for recommendation for Institute-level leadership and service should be mailed to IEEE at the above address, attention Staff Secretary of the Nominations and Appointments Committee.

The general qualifications for service to IEEE are the same as those in any other position of leadership responsibility and trust: competence, experience, willingness to take on the task, availability of time to participate, enthusiasm, and vigor.

(1)

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. 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 people 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 highly competent, since he or she 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, there are usually more candidates than there are open positions. This is as it should be if the clearly qualified persons are to be identified. When consulting nominees, it should be made clear that they cannot be assured of appointment.

Availability of time to participate is usually an important consideration in the candidate's selection. Enthusiasm, vigor, creativity and dedication to the purposes of IEEE are, we believe, among the most important considerations. Electrical and electronics engineering is a fast moving profession, and the Institute needs a continual infusion of new talent and ideas.

B-50 9/74

RECOMMENDED POSITIONS (Indicate as many as appropriate)



RECOMMENDATION FOR IEEE LEADERSHIP AND SERVICE (FORM B-50)

Before filling in, please refer to attached guidelines.

Please type all information provided on this form.

INSTITUTE	Officer:	
LEVEL	Board:	
HEMES SEG.	Committee:	
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LEVEL	Committee:	
REGION	Officer:	
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GROUP/SOCIETY	Officer:	
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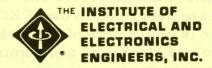
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NERAL COMMENTS BY NOMINATOR: (including an evaluation of the nominee's particular experience and performance record for this nomination and the special attributes which prompted this nomination)

BIOGRAPHICAL SKETCH: Please provide a short biographical sketch of the nominee.

October 1974

FORM B-50 9/74 0



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

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B-50 9/74 RECOMMENDED POSITIONS (Indicate as many as appropriate)



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Please type all information provided on this form.

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LEVEL	Board:
	Committee:
DIVISION	Officer:
LEVEL	Committee:
REGION	Officer:
LEVEL	Committee:
GROUP/SOCIETY	Officer:
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SECTION	Officer:
LEVEL	Committee:

NOMINEE:		*
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NERAL COMMENTS BY NOMINATOR: (including an evaluation of the nominee's particular experience and performance record for this nomination and the special attributes which prompted this nomination)

BIOGRAPHICAL SKETCH: Please provide a short biographical sketch of the nominee.

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	Nominating Committee of an IEEE organizational unit, please

Mombarship history positions held, with dates.

FORM B-50 9/74



NOMINATION OF CANDIDATES FOR FELLOW OF THE IEEE

Qualifications for IEEE Fellow Grade

The IEEE Bylaws define the qualifications for Fellow grade as follows: 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 year of election to the grade of Fellow is the year following affirmative action by the Board of Directors in conferring the grade of Fellow.

The candidate shall hold Senior Member grade at the time the nomination is submitted and shall have been a member in any grade for a period of five years or more preceding January 1 of the year of election.

Important Deadline Dates

To be eligible for consideration, the following material must be received by the 1975 IEEE Fellow Committee by the dates indicated:

April 30, 1975 - Fellow nomination form B-27

April 30, 1975 - Five Fellow grade reference forms B-29

April 30, 1975 - Any letters of endorsement by IEEE Sections, Chapters, Committees

June 15, 1975 - Evaluation form B-3 and Ranking Summary form B-93 from those IEEE Groups or Societies selected by the nominator to submit evaluations of the technical accomplishments of the candidate.

Fellow Nomination Documents

The Fellow Nomination Kit is available upon request to the Staff Secretary of the Fellow Committee at IEEE Headquarters, 345 East 47th Street, New York, New York, 10017. The Kit includes all of the documents necessary in submitting a nomination:

Guide for Fellow Grade Nominations - Publication FG-1 Nomination form B-27 Fellow grade reference forms B-29 Group/Society Evaluation Forms B-3 Reply envelopes

It is of prime importance to read the "Guide for IEEE Fellow Grade Nominations" (Publication FG-1) BEFORE serious consideration of possible nominees. This document assists in the effective preparation of nominations. Changes on the nomination form for next year's elections include the following:

- 1. A request that the significance of major papers and patents for a candidat be identified.
- 2. An invitation that visible evidence of a candidate's technical accomplishments, other than or in addition to papers and patents, be tabulated on the nomination form.
- 3. Fellow grade references (form B-29) are acceptable to the Fellow Committee for a period of two successive years, including the first year of submission, provided an updated nomination form (B-27) is received by the Fellow Committee in the second year. (In prior years, these references were acceptable to the Fellow Committee for three years.)
- 4. Nominators shall not <u>also</u> serve as references on the Fellow grade nominations they are submitting.

Criteria used in Judging Candidates

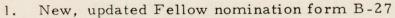
Following are the criteria upon which nominations are appraised, listed in the approximate order of importance:

- 1. Individual innovative contributions;
- 2. Evaluation by an IEEE Group or Society (or more than one of them);
- 3. Team contributions resulting from leadership clearly identified with the nominee (including operational as well as technical);
- 4. Publications and patents or other visible evidence of technical accomplishments:
- 5. Opinions of confidential references who know of the work of the candidate personally (where possible, these should be associated with other than the candidate's own organization);
- 6. Service to IEEE (and predecessor societies);
- 7. Service to the engineering profession in organizations other than IEEE;
- 8. Opinions of endorsers; and
- 9. Total years in the profession.

Resubmission of Nominations

The number of nominations received each year exceeds the number of new Fellows allowed by the IEEE Bylaws. Favorable action in a given year on all candidates is not possible. Election to Fellow grade frequently occurs on resubmission of the nomination in subsequent years. Reconsideration is not automatic and requires resubmission of the following documentation:





- 2. New Group/Society Evaluation Forms B-3
- 3. New written endorsements by IEEE Sections, Chapters, Committees
- 4. Five Fellow grade reference forms B-29. (Fellow grade reference forms are acceptable to the Fellow Committee for a period of two successive years, including the first year of submission. However, an updated B-27 nomination form is required by the Fellow Committee.)

The 1975 IEEE Fellow Committee

The Fellow Committee for the coming year, appointed by the Board of Directors, consists of:

Nathan Cohn, Chairman

G. J. Andrews

J. H. Bryant

J. F. Coales

S. H. Dodington

J. M. Early

Kenton Garoff

H. O. Hodson

W. L. Hughes

Harry Hyde

D. D. King

H. T. Larson

R. S. Livingston

A. B. MacNee

R. J. Parks

Shigeo Shima

J. W. Simpson

W. B. Boast, Consultant

Martin Graham, Consultant



E. E. No. 54-4J

October 1974

E. E. No. 54-4K

October 1974



INTEREST ON CASH BALANCES

FOR SECTIONS, REGIONS, GROUPS AND SOCIETIES

I. Definitions

The Institute pays interest on funds deposited in the central IEEE treasury on either a short-term or long-term basis as follows:

Short-term funds represent cash that can be deposited for a minimum of one month and can be extended on a one week notice. Interest for these funds is calculated monthly.

Long-term funds represent moneys in excess of six months expenses that will be accepted for fixed periods of time, at least six months in duration.

Extensions may be made providing IEEE is notified 30 days in advance.

Withdrawal of funds before the planned date will result in interest calculation at the short term rates.

II. Increased interest rates, effective January 1, 1975

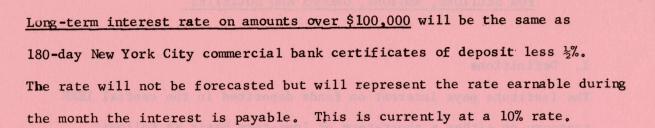
Short-term interest rate will be equal to the New York City commercial bank certificates of deposit or commercial savings bank rate, whichever is less, plus 1%. This rate will not be forecasted, but will represent the rate earnable during the month the interest is payable. This is presently averaging 6%.

Long-term interest rate on amounts under \$100,000 is set for six-month periods--January to June and July to December. It will be equal to the lesser of 180-day New York City commercial bank certificates of deposit or the commercial savings bank rate, plus $2\frac{1}{2}\%$. Interest for January to June is based on rate prevailing during the preceding October. Interest for July to December is based on prevailing rate during preceding April. Current rates for these funds are $7\frac{1}{2}\%$.



E.E. No. 54-4M

October 1974





IEEE NOMINATION AND ELECTION PROCEDURES (FOR THE GUIDANCE OF IEEE MEMBERS)



OBJECTIVES. The IEEE Board of Directors has defined the objectives for nominations and elections as follows:

The objectives of the Institute's nomination and election procedures are to choose the best qualified persons for various offices throughout the Institute, on the one hand, and to involve as many members in the selection process as possible, on the other. It is necessary that all candidates nominated for office not only be highly qualified but also be ready, willing, and able to serve if so elected or appointed to the office, and it is therefore essential that all IEEE nominating committees show great diligence and exercise judgment in making nominations.

It is essential that special attention be paid to this aspect of the Institute's business, and that the nominating process be visible to and understood by the members. It is therefore the Institute's policy that all training sessions, workshops and orientation material shall stress the importance of an informed, diligent and visible nominating procedure at all levels.

- IMPORTANCE OF MAXIMUM PARTICIPATION IN NOMINATION AND ELECTION PROCESS. All organizational units of the IEEE are encouraged to actively participate in the nomination process by submitting the names of candidates eligible to serve the Institute.
 - A. Appointment of Nominating Committees on Institute-Wide Basis. The Regions, Technical Divisions, Groups and Societies, Sections, Subsections, Group/ Society Chapters and Student Branches are urged to appoint Nominating Committees charged with two important functions:
 - (1) Soliciting the active participation of the membership in submitting names of suitable candidates for election or appointment within their own organizational units, and
 - (2) Referring to higher levels within the Institute organization, through submission of the B-50 Recommendation Form, the names of deserving candidates to be considered for other service to the Institute.
 - B. How to Submit Names of Recommended Candidates. A revised form (B-50) dated 9/74 has been developed to assist nominators in recommending candidates to be considered for election or appointment at several levels of Institute activities. Two B-50 Recommendation Forms are attached; additional copies are available upon request to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N.Y. 10017.
 - C. Deadlines. The deadlines are not the same for all positions. It is important to adhere strictly to these dates to avoid rejection of a worthy nomination by a simple technicality. A single submittal will not serve as a nomination for multiple positions; multiple copies of the same B-50 form may be submitted in accordance with the prescribed deadlines and clearly marked as being a multiple submittal.

E.E. No. 54-40

E.E. No. 54-4N

October 1974

D. <u>Candidate Qualifications for IEEE Service</u>. The general qualifications for service to the IEEE are not different from those in any position of responsibility and trust:

Availability of time is a prime consideration;
Commitment to IEEE, which is important in a voluntary organization;
Accomplishment within IEEE - the ability to get things done;
Insight and understanding of the IEEE;
Judgment;
Breadth of background and interests - broad, receptive outlook;
Exceeds minimum threshold in personal stature and technical accomplishments;
Leadership;
Attitude or point of view;
Enthusiasm, vigor, creativity.

Completed B-50 forms for these candidates shall be mailed to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N. Y. 10017.

MARCH 1, 1975 DEADLINE - CANDIDATES RECOMMENDED FOR OFFICE OF DIVISIONAL DIRECTOR. The 31 IEEE Groups and Societies are clustered within six technical Divisions, each one represented on the IEEE Board of Directors by a Divisional Director elected by the voting members in the Division to serve for a two-year term. Even-numbered Divisions elect Divisional Directors in even-numbered years; odd-numbered Divisions hold elections in odd-numbered years. The following Divisions, holding elections in 1975, will submit by March 1, 1975 the slate of candidates for Divisional Director, to serve for the 1976-1977 term, whose names will appear on the election ballot. All members of the Groups and Societies within those Divisions are eligible to submit nominations which are to be mailed to the Divisional Directors, named below, sufficiently in advance of the March 1, 1975 deadline to enable the Division to consider the nominations. A copy of the Recommendation Form B-50 shall be mailed simultaneously to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N.Y. 10017.

DIVISION I

Acoustics, Speech & Signal Processing Circuits & Systems Control Systems Information Theory

DIVISION III
Aerospace & Electronic Systems
Broadcasting
Communications
Consumer Electronics
Electromagnetic Compatibility

Dr. John Zaborszky Washington University Box 1040 St. Louis, Missouri 63130

Dr. Robert D. Briskman 6728 Newbold Drive Bethesda, Maryland 20034

DIVISION V Computer

Dr. A. S. Hoagland IBM Corporation P.O. Box 1900 Boulder, Colorado 80302

The following general guidelines for developing a slate of candidates for Divisional Director are recommended by TAB Op Com. Items 2, 4 and 6 are considered necessary; items 1, 3, 5 and 7 are optional.

- (1) A Divisional Director should generally serve a two year term only, in order to bring in new people, with different viewpoints and new ideas; two consecutive terms is considered an absolute limit.
- (2) The incumbent Divisional Director should be responsible for appointing the chairman of the Ad Hoc Divisional nominating committee; the most recent past-Divisional Director might well serve as this chairman.
- (3) The current Group/Society Presidents should be the other members of the Ad Hoc Committee, except that if a President is available and willing to be considered as a possible candidate for the Divisional Director position, that particular President should be replaced by an appropriate individual free of such possibility of a personal conflict of interest.
- (4) In the actions of the Ad Hoc Committee, there shall be only one vote per Group or Society, regardless of the numerical membership of the Group/Society.
- (5) Each Divisional slate should have not fewer than 2 nor more than 3 candidates.
- (6) The Ad Hoc Committee shall be organized on or before a prescribed date; the committee's slate shall be submitted to the IEEE Nominations and Appointments Committee on or before another prescribed date. These dates shall be in accordance with the IEEE Bylaws and relevant policies and procedures, and shall be announced in advance.
- (7) It is desirable that slates be designed so as to encourage the rotation of the Director position among candidates from all the Groups and Societies in the Division.

APRIL 1, 1975 DEADLINE - CANDIDATES RECOMMENDED FOR APPOINT MENT TO 1976 IEEE STANDING COMMITTEES AND BOARDS. The composition and scope of activities of the following Institute Standing Committees and
Boards are defined in the IEEE Bylaws:

Admission and Advancement
Committee
Audit Committee
Awards Board
Educational Activities Board
Electro Board
Fellow Committee
History Committee
Intersociety Relations Committee
Life Member Fund Committee
Long Range Planning Committee

Membership and Transfers
Committee
Nominations and Appointments
Committee
Public Relations Committee
Publications Board

- * Regional Activities Board
- * Technical Activities Board Tellers Committee United States Activities Board
- * Special conditions pertain to nomination and election to these Boards.

Completed B-50 forms shall be mailed to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N.Y. 10017.

OF REGIONAL DIRECTOR. The world is divided into ten IEEE Regions, each one represented on the IEEE Board of Directors by a Regional Director. Each Director serves for a two-year term. With the exception of Region 10, the Regional Director is elected by the voting members in the Region from a slate nominated by the Regional Committee. Even-numbered Regions hold elections in even-numbered years and odd-numbered Regions similarly act in odd-numbered years. The following Regions will be holding elections in 1975 and the respective Regional Committees will submit by April 30, 1975 slates of candidates for Regional Director to serve for the 1976-1977 term. All members residing within those Regions are eligible to submit nominations which are to be mailed to the Directors of the respective Regions, named below, sufficiently in advance of the April 30, 1975 deadline date to enable the Regional Committee to consider the nominations:

REGION 1

Mr. Richard C. Benoit, Jr. 10 Windsor Terrace
Utica, New York 13501

REGION 3

Mr. W. L. Sullivan Southern Bell Tel. & Tel. Co. P. O. Box 2211 1139 Hurt Building Atlanta, Georgia 30301

REGION 5

Mr. Robert M. Shuffler 2002 Frances Drive, Rt. 2 Loveland, Colorado 80537

REGION 7

Dr. George Sinclair
Sinclair Radio Laboratories, Ltd.
122 Rayette Road
Concord, Ontario, Canada
L4K 1B6

REGION 9

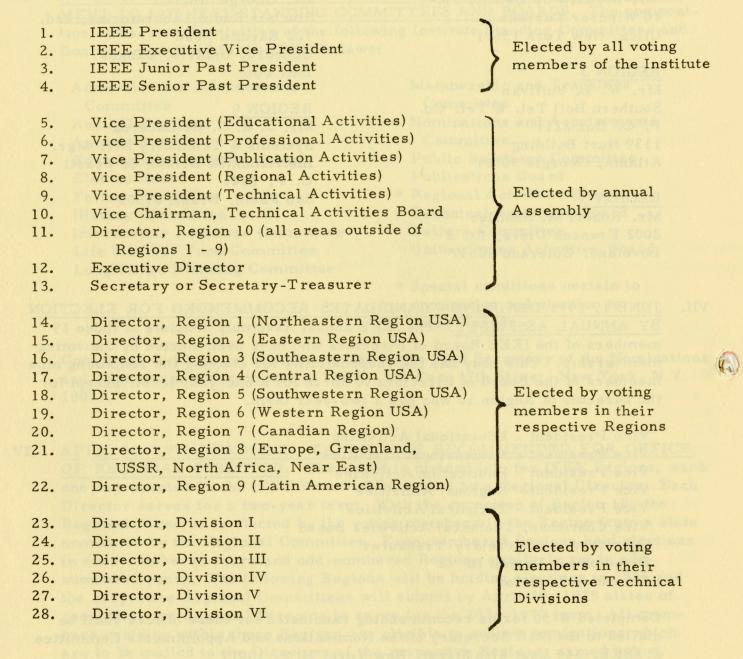
Mr. J. R. C. de Lacerda Systems & Telemetry Div. Mgr. Instrumentos Bristol do Brasil C. P. 1044 Sao Paulo, Brazil 01000

VII. JUNE 1, 1975 DEADLINE - CANDIDATES RECOMMENDED FOR ELECTION BY ANNUAL ASSEMBLY. The IEEE annual Assembly consists of those 19 members of the IEEE Board of Directors who have been elected by the voting membership. This body has the responsibility for electing the remaining nine members of the Board of Directors to serve for a one-year term, except for the Director of Region 10 who has a two-year term.

Vice President - Educational Activities
Vice President - Professional Activities
Vice President - Publication Activities
Vice President - Regional Activities
Vice President - Technical Activities
Vice Chairman, Technical Activities
Vice Chairman, Technical Activities Board
Secretary, or Secretary-Treasurer
Director for Region 10
Executive Director

Completed B-50 forms recommending candidates for these offices shall be mailed to the Staff Secretary of the Nominations and Appointments Committee at IEEE, 345 East 47th Street, New York, N.Y. 10017

IEEE BOARD OF DIRECTORS ELECTION CHART





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BYLAW CHANGES approved by the Board of Directors (BofD) include the following, all of which will be incorporated in the next edition of the Bylaws to be distributed in January 1975:

- * Rewording of the Senior Member grade qualifications to make this grade more meaningful and to encourage greater submission of applications for upgrading.
- * With the phasing out of the draft for military service in the United States, reduced dues for members in the military has been discontinued.
- * In view of the tendency toward earlier retirement, IEEE members who are retired may now apply for dues reduction at age 62.
- * With continued unemployment problems in some areas, reduced dues for unemployed members will be extended through 1975.
- * The composition of the Educational Activities Board (EAB) was changed to include the Chairman of the Electrical Engineering Department Heads Association (if an IEEE member), ex-officio, and liaison members appointed by PUB, RAB and TAB.
- * The title for the Vice President elected by the voting members was changed to Executive Vice President. The duties and responsibilities of this Office remain unchanged.
- * A person serving as Secretary and Treasurer will have one vote on all Boards and Committees of which the Secretary or the Treasurer is a member. When the two offices are held separately, the number of Executive Committee members increase from 9 to 10 and the number of Bof D members increase from 28 to 29.
- * Two new Vice Presidential Offices were established, both to be elected by the annual Assembly to serve for a one-year term:

 (1) Vice President-Educational Activities who will serve as Chairman of EAB, and (2) Vice President-Professional Activities who will serve as Chairman for Institute professional activities.

 These new Corporate Officers will serve on the Board of Directors and as Coordinators of their respective activities on the Executive Committee.

- The United States Activities Committee (USAC) was re-named the United States Activities Board (USAB), to consist of the Vice President-Professional Activities as Chairman, the six Regional Directors elected by voting members in the United States, and three Divisional Directors appointed for a period of one year by the Vice President-Technical Activities after consultation with the Vice President-Professional Activities.
- * USAB shall recommend policies and implement programs specifically intended to serve the members of the United States in appropriate non-technical professional areas of economic, ethical, legislative and social concern, supported by funds provided by the Regional assessment paid by such members. USAB shall appoint standing and ad hoc committees to carry out such programs. USAB will receive and make proposals and suggestions to other IEEE entities regarding appropriate educational and technical activities of concern to U.S. members, and may support such activities from funds provided by the Regional assessment.
- * For IEEE elections and elections of all units where mail ballots are used, space shall be provided on the ballot for write-in candidates. If a successful write-in candidate declines to serve, the candidate receiving the next highest vote shall be declared to have won the election.
- * Future petitions proposing candidates for IEEE Office or for elective office in any unit of IEEE, shall be accompanied by a statement by the petitioners that the nominee named in the petition has indicated willingness to serve, if elected.
- * Future petitions for Constitutional amendments shall include statements of petitioners in support of the petition, which statement shall accompany the ballot submitted to the voting members.

WILLIAM C. WEBER, JR. has been appointed General Manager of INTERCON and Bruce S. Angwin was named Ass't Gen'l Mgr. of WESCON.

PROFESSIONAL ACTIVITIES HANDBOOKS have been distributed to Section Chairmen, PAC Chairmen, and Section Editors. Comments and requests for additional copies should be directed to IEEE Washington Office, 2029 K St., N.W., Washington, D.C. 20006.

TOOLS AND AIDS

PUBLIC AFFAIRS INVOLVEMENT WORK-SHOP, the fourth in the series, will be held in Section 3--the Georgia Tech campus in Atlanta, Ga. on November 17, 1974. The all-day workshop is an Intersociety effort with NSPE. It proposes to teach you how to enhance the role of the engineer in the local community by using his particular skills to help deal with community problems. All IEEE members are invited. (See IEEE PROFESSIONAL NEWS, Sept. issue, page 3.)

Four workshops are scheduled for next year in Los Angeles, New Orleans, St. Louis and Boston. For information on these and how to hold your own workshop contact Martin Gitten, Manager, Internal Communications.

PUBLIC RELATIONS WORKSHOPS will be set up and run by Headquarters PR staff at your convenience upon request of Sections, Regions or Groups and Societies. PR Workshops are designed as 1/2-day seminars to teach the rudiments of PR and how to develop a PR program for your Section or G/S. The only requirement is that you have at least 15 people gathered together who wish to learn about Public Relations. Speakers will include local media representatives and PR professionals. For details on setting up a workshop, call Marty Gitten (ext. 752).

WHITEPAPER ON PROFESSIONAL programs in the U.S. has been prepared by Institute General Manager Donald Fink. The 21 page report outlines the history of professional activities and USAC, and includes selected reprints from Spectrum.

Copies available from Emma White.

NOMINATIONS AND ELECTIONS Procedures guide is included on pages 40-4T of this issue. For extra copies and inquiries call Emily Sirjane.

HONORS

ALFRED N. GOLDSMITH's contributions to the IRE and the IEEE were recognized in a resolution adopted by the BofD. The text of the resolution is on page 4C.

RICHARD C. KIRBY (F) has been elected Director of the International Radio Consultative Committee (CCIR).

SAVA SHERR, IEEE Manager of Standards Operations was a member of the 4-man U.S. Delegation to the International Electrotechnical Commission (IEC) Council and Committee of Action which met in Bucharest, Rumania during Sept. Other IEEE members in the delegation were Leon Podolsky (F) and Walter Samsonoff (M).

TOM LEE (F), Pres. of IEEE Power Engineering Society has been appointed IEEE representative to the CCESP Energy Task Force.

MESSRS. GANNETT, SAUNDERS AND CHRISTIANSEN and their staffs have been lauded by ExecCom for their fine editorial and financial performance on Spectrum.

FOR YOUR INFORMATION

HAPPINESS IS A PENSION REFORM LAW



The stack of papers in front of President Gerald R. Ford and top members of Congress

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(A)

is the landmark Pension Reform Act that Ford signed into Law on Labor Day, Sept. 2.

IEEE AND ASME were commended by Congressman Mike McCormack (D-Wash), Chairman of the House Science and Astronautics Subcommittee on Energy. McCormack, according to the June issue of MECHANICAL ENGINEERING, thanked the two societies for furnishing reliable technical information for his programs.

HOW'S THAT AGAIN? DEPT.--Wanton serial title changes continue to be the scourge of the library profession causing mass insanity and defections from the trade among librarians all over the U.S., according to the LUTFCSUSTC (Librarians United To Fight Costly, Silly and Unnecessary Serial Title Changes) in its publication TITLE VARIES. A chief offender, says LUTFCSUSTC, is IEEE.

Recognizing IEEE's relentless flood of serials that change title, LUTFCSUSTC at the annual meeting of the Amer. Library Assoc. awarded IEEE first runner-up for Worst Serial Title Change-1973. The citation reads: For their systematic lack of bibliographic system and for their whimsical attitude toward bibliographic control.. a host of title changes including PROCEEDINGS OF IEEE POWER PROCESSING AND ELECTRONICS SPECIALISTS CONFERENCE to PROCEEDINGS OF THEIEEE POWER ELECTRONICS SPECIALISTS CONFERENCE.

Informed sources at the LUTFCSUSTC warn of imminent reprisals against perpetrators of title changes. IEEE may have been singled out, they say, for punitive

action as an example to the publishing world. Another Library spokesman, Norm D. Plume, pleaded for non-violence and for IEEE to stop unnecessary changing titles of conferences and conference publications.

WELCOME ABOARD!

New Section:

Ecuador Section comprising the country of Ecuador in South America

New Group/Society Chapters in Sections:

Tokyo Section: Systems, Man and Cybernetics Chapter.

Phoenix Section: Circuits and Systems Chapter.

Puerto Rico and Virgin Islands Section: Power Engineering Chapter.

New Jersey Section: Engineering Management Chapter.

New Student Branches:

Universidad de Costa Rica San Jose, Costa Rica Universidad de Las Americas Puebla, Puebla, Mexico University of Alabama Huntsville, Alabama University of Hong Kong Hong Kong

New Staff:

Eugene V. Lombardo is a new Sales Representative for Spectrum. Gene has worked for Standard Rate and Data and was Advertising Manager for the Amer. Society of Heating, Refrigerating and Air Conditioning Engineers.

* * *

Centerfol	d Inserts:	Pages:
Cafe	- Pension Ad	4A-4B
Blue	- Goldsmith Resolution	4C-4D
Canary	- Nomination Forms	4E-4H
White	- Fellow Announcements	4I-4L
Pink	- Interest Rates	4M-4N
Ivory	- Nomination & Election Procedures	40-4T
Russet	- Bylaw Changes	4U-4V