



USAB NEWS

IEEE VIEWS

USAB has issued an experimental communication, called *IEEE Views*, as a means of providing periodic information on its legislative activities, Congressional testimony, and various kinds of statements in connection with IEEE's professional activities. While *Views* will be distributed both within and outside of the Institute, it is not intended to be a regularly issued publication. It is a format for better communication of professional activities to IEEE leadership and the U.S. Congress.

U.S. TECHNOLOGICAL POSITION

The first *IEEE Views*, included as an insert on pp. 2A-2F of this issue, contains a summary of a lengthier statement submitted for the record of joint Senate subcommittee hearings held recently to assess the pace of innovation. Both of the subcommittees deal with research and development and world trade.

The hearings were chaired by Senator Adlai E. Stevenson 3rd (D-Ill.), who, along with other subcommittee members, is concerned that the U.S. technological position is being compromised by steadily decreasing public and private investment in R&D and in exploratory or innovative research. Such concerns were echoed by many of the witnesses before the subcommittees and by the Senate investigators. The statement by Professional Activities Vice President Bruno O. Weinschel in *IEEE Views* is indicative of the tenor of the hearings: U.S. electrotechnological leadership is being challenged with renewed vigor by overseas competitors, as well as being threatened by shortsighted and expedient domestic policies.

PENSION BILL INTRODUCED

Culminating several years of intensive legislative effort and legal preparation of IEEE's Limited Employee Retirement Account (LERA) concept, a bill that would allow employees covered by an employer-sponsored pension plan to invest a portion of their income in a LERA account was introduced in the House. Representative James C. Corman (D-Calif.), along with six cosponsors, introduced the bill, H.R. 11347, on June 29. Entitled "The IRA-Employer Coordination Plan Act of 1978," the bill would help to provide retirement income to professionals who may never vest in an employer-sponsored plan because of career mobility. USAB is asking IEEE members to urge their Congressmen and women to support this legislation or to cosponsor it.

CONGRESSIONAL FELLOWS

IEEE's Congressional Fellows recently reported on their activities reflecting their involvement in national scientific and technological issues. To summarize, John B. Wallace, serving as legislative assistant to Senator Harrison Schmitt (R-N.Mex.), has worked with such issues as nuclear waste disposal, recombinant DNA, the National Climate bill, and the NASA Appropriations bill. Mr. Wallace is the only member of Senator Schmitt's staff who has any technical training and experience, while the Senator himself is one of very few members of Congress

continued, p.2.

NEWS SUMMARY

- Running over 6000 members (3.74%) ahead of last year, total Institute membership is projected by the Membership Development Committee to reach 190 000 by year-end. Student membership alone is up by 1500 members (7.36%) over last year. (see the MD insert, pp. 20-2R)
- Division VII has nominated John E. Barkle to the office of Division VII Director to fill the vacancy created through the resignation of Walter F. Fee as of December 31, 1978. Mr. Barkle has agreed to have his name placed on the ballot for this office to serve the one year term, 1979.
- The December 31, 1977, IEEE Group/Society membership of 183 586 included 2181 Committee on Social Implication of Technology (CSIT) subscribers to the new publication *Technology and Society*. Since CSIT is not a Group or Society, these year-end statistics have been adjusted to 181 405.

Index of Inserts

USAB: IEEE Views.....	2A-2F
TAB.....	2G-2H
RAB: Revision of guidelines.....	2I-2J
RAB: Member involvement questionnaire..	2K-2N
Membership Development Newsletter....	2O-2R
Continuing education.....	2S-2T

All current and former officers of geographic units: See the special RAB questionnaire on membership involvement which appears as an insert on pp. 2K-2N of this issue.

USAB NEWS, continued

to have a background in science. Senator Schmitt serves on the Senate Committees on Commerce, Science and Transportation; Banking, Housing and Urban Affairs; and Ethics; and on the Subcommittees on Communications and on Science, Technology and Space, which handles NASA authorization bills.

Congressional Fellow Balraj G. Sakkappa reports that he is the only aide with a background in engineering or science at the present time. He serves on the staff of Senator Dale Bumpers (D-Ark.), whose primary interests and initiatives are in the areas of energy extension service, biomass, gas furnace efficiency, and the Clinch River Breeder Reactor. The Senator is a member of the Committee on Energy and Natural Resources.

USAB/TAB CONFERENCE

This year's USAB/TAB conference on U.S. technological policy issues, to be held September 19-21 in the Washington area, will focus on the directions of U.S. R&D policy. Participation is expected by the Board of Directors, Group/Society Presidents and Vice Presidents, and Section Chairmen and Vice Chairmen, as well as the sponsoring boards.

CONVENTION NEWS

The largest WESCON (Western Electronics Show and Convention) of the decade will be staged at the Los Angeles Convention Center and the Los Angeles Bonaventure Hotel on September 12-14, 1978. More than 35 000 engineers, technicians, and executives are expected to attend the first three-day version of WESCON to be held in Los Angeles.

Over 500 exhibitors will introduce and display products and systems in 909 exhibit units. In addition, the Wescon Film Theater will feature outstanding engineering and scientific motion pictures produced by electronics companies and chosen by a panel of judges.

The professional Program for WESCON '78 includes 38 sessions to be held in the Convention Center. The program sessions cover such technical topics as single-chip microcomputers, fiber optics links and design and installation considerations, industrial control systems with mini-microcomputers, and studies on protecting legal rights, physical security developments, and avoiding financial disaster. "Micro/Evolution" is the theme of WESCON '78, and to this end a special theme exhibit displaying the winners of the new Microprocessor Applications Center and Awards Program will be the highlight attraction on the Convention Center floor.

ELECTRICAL ENGINEERING is a management newsletter on IEEE operations intended to encourage communication among all organizational entities and the staff. *ELECTRICAL ENGINEERING* is published bimonthly by The Institute of Electrical and Electronic Engineers, 345 East 47th Street, New York, N.Y. 10017—telephone (212) 644-7562.

ELECTRICAL ENGINEERING is sent without cost beyond dues to officers of IEEE Boards, Committees, Divisions, Societies, Groups, Technical Councils, Conferences, Regions, Regional Councils, Sections, Subsections, Chapters and Branches. Second-class postage is paid at Piscataway, N.J.

Names and assignments of IEEE staff members referred to in *ELECTRICAL ENGINEERING* are listed on page 4 of *IEEE SPECTRUM*.

PRIZE PAPER AWARDS DEADLINE

September 15, 1978, is the deadline date for receipt of nominations for the W. R. G. Baker Prize and the Browder J. Thompson Memorial Prize Awards. It is up to individual members to see that their colleagues' outstanding contributions are recognized. For nominations contact Una B. Lennon at Headquarters.

CONSOLIDATED INVESTMENT OPTIONS

Many organizational units have taken advantage of the improved investment options authorized by the IEEE Board of Directors. These options, as reported in the April 1978 issue of *Electrical Engineering*, provide active cash management of excess cash reserves in alternate investment plans on a consolidated basis and at rates that may not be available to individual investors. The following chart indicates actual results for the past three months and estimated rates for the next four months. Present indications are for rising interest rates, and higher yields are anticipated as present investments mature.

Investment Option 1—Short-Term Bank Deposits:

April	7.05%
May	7.10%
June	7.25%
July/Oct.	7.25% (estimated)

Investment Option 2—Long-Term Bank Deposits (over 6 months):

April	7.23%
May	7.23%
June	7.70%
July/Oct.	8.00% (estimated)

Investment Option 3—Bond Plan:

April	8.00%
May	8.06%
June	8.25%
July/Oct.	8.40% (estimated)

The rate for the Bond Plan does not provide for variations in the market value of the bond. As interest rates rise, the bond declines in value. Experience has shown that for every 10 percent rise in interest rates, there is a reflected 9 percent reduction in the bond market price. Therefore, there is a degree of speculation and risk inherent in the Bond Plan Option, and the net interest earned on the investment will vary from the rates quoted above. These reflect current yields as based on new investments and do not provide for possible market price fluctuations.

Future results on all options will be reported monthly in *EE*. For additional information, contact Michael J. Sosa at (201) 981-0060, ext. 123, or Thomas W. Bartlett at (212) 644-7748.

AGE DISCRIMINATION BOOKLET

The goal of the Age Discrimination in Employment Act is "to promote employment of older persons based on their ability rather than age, to prohibit age discrimination in employment, to help employers and workers find ways of meeting problems arising from the impact of age on employment." A booklet just published by USAB, "You and Age Discrimination," is viewed by IEEE as one small



IEEE

Contact: Neil D. Pundit

Technical Activities Board

TECHNICAL ACTIVITIES BOARD

TECHNICAL INTERFACE

The highlights of meetings are listed below by the TAB entity, date of the most recent meeting, volunteer officers/TAB staff, and item of interest. The asterisk denotes the IEEE staff person at Headquarters.

TECHNICAL ACTIVITIES BOARD

5/19-20/78
Donald S. Brereton
(518) 395-4321

- An Ad Hoc Committee will be studying the future development of IEEE Position Papers.

TAB COMMITTEES:

Transnational Relations Committee (TRC)

4/12/78
* Audrey R. Bickel
(212) 644-2123

- A delegation of 5 members of the Chinese Electrical Engineering Society will attend the Power Engineering Society's Summer Meeting from July 17-21 in Los Angeles and later join 9 of their colleagues for an extensive 3-week tour of power facilities in the U.S. In turn, PES has been invited to the People's Republic of China this Fall. The Computer Society will be the guests of the Chinese Electronics Society of the People's Republic of China during a visit in the Fall. If you are interested in joining the delegation, please submit your application to Dr. Jerry Sevic, Bell Labs, 600 Mountain Avenue, Murray Hill, NJ 07974.

Committee on Man & Radiation (COMAR)

4/26/78
Donald R. Justesen
(816) 861-4700, Ext. 466

- Plans have been initiated to participate in and/or sponsor a symposium on the Bio-Effects of Radiation in March or April, 1979.

Committee on Social Implications of Technology (CSIT)

6/24/78
* Richard J. Jerril
(212) 644-7895

- The first CSIT award for "Outstanding Service in the Public Interest" will be presented to 3 employees of the San Francisco Bay Area Rapid Transit at WESCON in September.
- Activity has begun in developing television debates on the pros and cons of limiting technology and its implications. Stations to be contacted include New York's WNET.

Joint Telecommunications Advisory Committee (JTAC)

6/15/78
* Audrey R. Bickel

- Two subcommittees of JTAC recently submitted reports on tolerances for spurious emissions and frequency tolerances to the FCC for input at the 1979 World Administrative Radio Conference. Copies of the reports are available at Headquarters.

Energy Committee (EC)

6/20/78
Hilton U. Brown, III
(914) 696-1776

- The Committee has initiated work on position papers discussing solar energy, the Breeder Reactor, and ultra-high voltage transmission and its possible radiation effects.

Environmental Quality Committee (EQC)

6/13/78
Conrad R. De Sieno
(212) 422-4800, Ext. 303

- The Committee is investigating the possibility of sponsoring a public forum on electrotechnology and the environment. Comments and suggestions are most welcome.
- A position paper is being developed on the topic of energy and the environment and the Committee urges input from other members of the Institute.
- A speaker's bureau has been established for meetings on the application of electrotechnology in improving the environment. Speakers who wish to be listed should contact Mr. De Sieno.



Regional Activities Board

Revision of Guides for IEEE Geographic Units

An Invitation to Local Leadership

The Regional Activities Board in its May meeting endorsed the concept of involving the local leadership of Regions, Areas, Councils, Sections, Subsections, Chapters, Branches and their Committees in the revision of existing manuals and guides published by the Field Services Department. The development of new guides will also be considered where appropriate.

This invitation is now being extended to solicit your active participation in the rewriting, editing, and redesigning of existing guides which serve as useful resources and stimulating tools for the operation and growth of the geographic units. Your experience as a local leader will be a most valuable contribution.

Please review the attached list of guides which are published by the Field Services Department. Provide the names of those persons who will be interested in participating with the staff of Field Services in this project.

You may also wish, at this time, to submit ideas concerning the revision of existing guides or you may have ideas for new ones.

Comments concerning the revision of as well as content are welcome. Replies should be received by the Field Services Department at IEEE Headquarters no later than **August 31, 1978**.

This project is being coordinated by: Ms. Anna J. O'Connor, Administrator, Section/Chapter Services. When a substantial number of replies have been received, Ms. O'Connor will contact all those who have responded and establish a working timetable for each guide.

**RETURN TO: Ms. Anna J. O'Connor
Administrator, Section/Chapter Services
IEEE
345 East 47 Street
New York, NY 10017**

Telephone: (212) 644-7751

THANK YOU FOR RESPONDING

Awards & Recognition Committee (ARC)
3/30/78
J. Barry Oakes
(301) 953-7100 ext. 3667

• The TAB Awards and Recognition Committee was formed in 1977 to provide support to the Institute's G/S/Cs in their recognition program. The Committee members are representatives from each of the 7 TAB Divisions, the Standards Board and the Awards Board. One of its major tasks has been the preparation of the Awards and Recognition Manual, detailing all the awards of the Groups/Societies/Councils and Standards of the Institute. If you would like to obtain a copy, please contact the Technical Activities Department.

Meetings Committee (MC)
7/13/78
*Richard J. Jerril
(212) 644-7596

• A Conference Planning Advisory Panel has been established and will consist of approximately 20 IEEE members with expertise in the field of conference organization. Members of the panel will be available for consultation for any IEEE person involved in the planning of a meeting. A list of advisors is currently being drawn up.

Finance Committee (FC)
6/15/78
*Mel Bonaviso
(212) 644-7891

• The Committee discussed the need for proper financial reporting for conferences to satisfy IRS rules. It was considered extremely desirable that all conferences close their books within 6 months from the date of the conference, and submit the final financial report to the IEEE Conference Activities Department.

Technology Forecasting & Assessment (TF&A)
Harry W. Mergler
(216) 386-4574

• The Committee is now being re-organized and is seeking new members who have an interest in technology forecasting and assessment.

INTERNATIONAL MATERIALS CONGRESS

The United States National Academy of Science and the National Academy of Engineering are sponsoring an International Materials Congress in Washington, D.C., March 26-29, 1979. The theme of the Congress will be "The Role of Materials Science and Technology in Relation to World Energy Needs". The Congress will focus on the new challenges and opportunities for materials science and technology to help both advanced nations and Less Developed Countries to cope with the specific aspects of the problems which are most important to them as energy producers/consumers/importers/exporters of materials.

The Congress will provide a forum for the views of participants from around the world on what advances in materials development and application would be most helpful to their needs and it will generate a better understanding of the advances already made. It will also address the question of what institutional arrangements or national and international policies affecting the interface of materials and energy are, or could be, most useful.

The Congress will begin with a one-day plenary session to clarify the general nature of the relationships between materials and energy in the world context and identify major new problems and opportunities. The plenary session will be followed by two days of concurrent workshops. The workshop topics presently planned are:

- Materials science and technology for more energy efficient mining, processing and recycling;
- Materials science and technology for more energy efficient buildings;
- Materials science and technology for more energy efficient manufacturing;
- Materials science and technology for new energy sources and more efficient energy conversion;
- Materials science and technology for more energy efficient transportation;
- Science and technology for energy efficient materials from renewable resources;
- The economics of materials production and use under conditions of rising energy costs;
- Materials education for the interrelated energy and materials world;
- Institutional and organizational patterns and strategies for interrelation of materials and energy research and development, technology, production, coordination and planning.

For additional details, please contact:

Richard S. Claassen
Program Chairman
International Materials Congress
c/o National Research Council
Council on Sociotechnical Systems
2101 Constitution Avenue, N.W.
Washington, DC 20418

Solicitation of Volunteers to Assist with Revision of Guides for Geographic Units

PLEASE RETURN BY AUGUST 31, 1978

Reference Number	Title of Guide	Reference Number	Title of Guide
1.	Sections Operations Guide	7.	Membership Development Guide
2.	Sections Financial Guide	8.	Membership Desk at an IEEE Conference
3.	Chapter Operations Guide	9.	Student Activities Guide for Sections
4.	Meeting Guide for Sections and Chapters	10.	Regional Management Guide
5.	Section Publications Guide	11.	Regional Financial Guide
6.	Section Public Relations and Publicity Guide		

I would like to assist with the following guides: _____
(Use reference numbers shown above)

Name: _____ Telephone number: _____

Address: _____
(Give complete mailing address & zip code)

Name of Organization Unit: _____ Office Held: _____

I would like to assist with the following guides: _____
(Use reference numbers shown above)

Name: _____ Telephone number: _____

Address: _____
(Give complete mailing address & zip code)

Name of Organization Unit: _____ Office Held: _____

I would like to assist with the following guides: _____
(Use reference numbers shown above)

Name: _____ Telephone number: _____

Address: _____
(Give complete mailing address & zip code)

Name of Organization Unit: _____ Office Held: _____

Comments: _____

THANK YOU FOR RESPONDING



Contact: Robert Asdal

Regional Activities Board

RAB QUESTIONNAIRE ON MEMBERSHIP INVOLVEMENT

PLEASE REPLY BY SEPTEMBER 15, 1978

PURPOSE: RAB is looking for good ideas to share with everyone. RAB and the staff of the IEEE Field Services Department are interested in gathering the best and most interesting ideas on how IEEE's geographic units involve and serve the members. It is our four-fold plan to:

1. Publish an article in "The Institute" on IEEE's geographic units and how they serve members on a local level and describe to members how to become more involved.
2. Publish a synopsis of some of the best ideas in "Electrical Engineering" to share these gleanings among IEEE's volunteer officers.
3. Publish a "Program Ideas" Handbook.
4. Compile and incorporate the results of the survey in material that can be used at Region, Area and Section Workshops so as to increase the effectiveness of idea-exchange sessions.

WHO SHOULD REPLY: Any current or former officer of a geographic unit.

NAME OF RESPONDING UNIT (LOCATED IN REGION: _____):

Area: _____ Council: _____
Section: _____ Subsection: _____
Chapter: _____ Branch: _____

I. Please describe some of the most successful programs run by your local IEEE organization:

1. _____
2. _____
3. _____

II. What are the unusual aspects of the above programs that have made them successful?

1. _____
2. _____
3. _____

III. Why were they successful? Describe some of the tactics used to get members involved in them:

1. _____
2. _____
3. _____

IV. How do you measure the success of your programs? Please list in rank order the criteria you use:

1. _____
2. _____
3. _____
4. _____

V. What are some of the most successfully received meeting topics during the past year?

1. _____
2. _____
3. _____
4. _____

VI. What special service-oriented (educational short courses, employment assistance, technical conference, etc.) programs do you offer to your members that are well received?

1. _____
2. _____
3. _____
4. _____

VII. What special programs do you have for Student members that are well received?

1. _____
2. _____
3. _____
4. _____

VIII. How many members do you estimate are actively involved in management (planning, organizing and running) of your unit?

Number Involved: _____ Percentage of Total Membership: _____
Size of your unit as of 12/31/77: _____

IX. How many members, during one year, do you estimate are participants in one or more of your unit's activities?

Number Involved: _____ Percentage of Total Membership: _____

X. Do you have a special meeting time or format that is particularly successful? Please describe:

XI. What are some of the special tactics used to get members involved in:

1. Managing your unit and its programs? _____

2. Participating in your programs? _____

XII. What tips could you give to other IEEE units on increasing membership participation and overcoming apathy especially among members who are not normally active? _____

XIII. What are the primary "reasons for existence" of your unit? _____

XIV. Do you or your members have any ideas for programs you have not tried? What are they? _____

XVI. What kinds of services/assistance could you use to assist in increasing membership involvement? Number in order of importance:

- Standardized questionnaire membership to assess interests and needs.
- "Program Ideas" handbook - ideas from other units.
- Section Newsletter Editors workshop.
- Press releases of motivational nature for local publications.
- Workshops concerning program ideas and membership involvement.
- Other _____



Membership Development Committee

XVI. 1. May we call you if we need more information? We may like to talk to you in more detail about how your local program(s) have worked.

Yes No

2. Do you have documentation of any of the above-mentioned programs?

Yes No

3. Do you have any photographs that illustrate any of the above-mentioned programs?

Yes No

4. Do you have any clippings from newspapers or magazines where the activities of your unit achieved special recognition?

Yes No

XVII. Do you have any comments? _____

NAME _____

ADDRESS: _____
(Give complete mailing address and zip code.)

Office Held: _____

Convenient Hour to Call

TELEPHONE: Business () _____

Home: () _____

RETURN TO: Robert K. Asdal
Director, Field Services
IEEE
345 East 47 Street
New York, N. Y. 10017

Telephone: (212) 644-7759

IEEE MEMBERSHIP GROWING AT RECORD RATE THROUGH JUNE 1978

According to IEEE membership statistics through June 30, 1978, Institute overall membership is growing at a rate which will far surpass 1977's year-end record of 183,021. June 30 membership for 1978 was 176,777 - an advance of 6,371 (+3.7%) ahead of the same time last year. Technical Society membership also continues to grow, with 173,217 memberships held - (including Affiliates)- an increase of 10,247 (+6.2%) over the previous year's June 30 figure. IEEE Student membership at June 30 was 22,282 - a gain of 1,475 (+7.0%) compared to 1977.

The Membership Development Committee wishes to thank all members working on MD activities for their support and contributions toward IEEE growth in 1978. The Regional, Divisional and Society membership figures on the next two pages tell the specifics - keep up the good work!

LET'S MAINTAIN MEMBERSHIP MOMENTUM THROUGH THE FALL BONUS PERIOD

September 1 kicks off the new dues year and begins the Fall Bonus Period. New members can receive up to 1/3 of a year's IEEE benefits and services as a bonus on their 1979 membership. Sections and Chapters should establish an activity plan to maximize membership promotion at this time. (Conferences provide a local opportunity to identify and enroll new members.) Be sure you have an ample supply of MD materials on hand now. Identify and equip Section and Chapter members who can devote sufficient time to Membership Development. Call upon your MDC Region or Division Representative for assistance -- and report your successes, too.

The result of your efforts in Membership Development will pay off sooner than you may think. Rebates for 1979 will be based upon membership at 12/31/78, as a major component. Invest whatever time and effort you can now for IEEE growth.

MD COMMITTEE TO MEET IN DENVER ON OCTOBER 14 & 15

The Membership Development Committee is planning to meet for a second time in 1978, to assess the results of efforts to date and plan further activities and programs to assist MD efforts into 1979. Section/Chapter/Society MD officers are encouraged to communicate with their MDC Representatives with any feedback, suggestions or successes which the Committee might discuss. (Roster on Page 4)

MORE MEMBERSHIP DEVELOPMENT DEVELOPMENTS

The MDC has formed a Planning & Evaluation Committee to provide more continuous and immediate effort in assessing MD activities and development of helpful tools and programs. Among the items currently being considered are . . . a revised kit for Member and Senior Member grade elevations and admissions . . . additional literature displays . . . media advertising . . . improved communications.

(For MD ACTION, contact Mark M. Lucas, NY Headquarters, (212) 644-8080.)

REGIONAL AND DIVISIONAL SUMMARY

Region	6/30/78 Members	6/30/77 Members	△	% △
1	36216	35660	556	1.6
2	26021	25744	277	1.1
3	16954	16149	805	5.0
4	18739	18021	718	4.0
5	16373	15380	993	6.5
6	34122	32887	1235	3.8
1-6	148425	143841	4584	3.1
7	10020	9445	575	6.1
8	7780	7234	546	7.5
9	3554	3608	(54)	(1.5)
10	6998	6278	720	11.5
8-10	18332	17120	1212	7.1
Total 1-10	176777	170406	6371	3.7

Division *	6/30/78	6/30/77	△	% △
I	24947	24360	587	2.4
II	23982	23562	420	1.7
III	25278	24521	757	3.0
IV	25109	23448	1661	7.0
V	32480	25814	6666	25.8
VI	22717	22915	(198)	(0.8)
VII	18704	18350	354	1.9
G/S Total *	173217	162970	10247	6.2

* Includes 2944 Affiliates.

GROUP / SOCIETY AND DIVISIONAL SUMMARY

Division*	6/30/78	6/30/77	△	% △
I ASSP 01	5885	5440	445	8.1
CAS 04	8554	8570	(16)	0.1
IT 12	4210	4122	88	2.1
CS 23	6298	6228	70	1.1
I Sub Total	24947	24360	587	2.4
II NPS 05	2569	2528	41	1.6
VT 06	2317	2245	72	3.2
IM 09	4411	4400	11	0.2
IECI 13	4484	4539	(55)	(1.2)
EI 32	1293	1297	(4)	(0.3)
IA 34	8908	8517	391	4.5
II Sub Total	23982	23562	420	1.7
III BCCE 02	5775	5519	256	4.6
AES 10	6165	6117	48	0.7
COM 19	10592	10201	391	3.8
EMC 27	1547	1519	28	1.8
GEO 29	1199	1165	34	2.9
III Sub Total	25278	24521	757	3.0
IV AP 03	3984	4040	(56)	(1.3)
ED 15	7109	7670	(561)	(7.3)
MTT 17	5105	5346	(241)	(4.5)
SU 20	1820	1767	53	2.9
CHMT 21	2511	2684	(173)	(6.4)
MAG 33	1961	1941	20	1.0
QE 36	2619	-	-	-
IV Sub Total	25109	23448	1661	7.0
V COMP 16	32480	25814	6666	25.8
VI R 07	2484	2405	79	3.2
EM 14	6357	6215	142	2.2
EMB 18	6484	6703	(219)	(3.2)
E 25	1960	1971	(11)	(0.5)
PC 26	1288	1252	36	2.8
SMC 28	4144	4369	(225)	(5.1)
VI Sub Total	22717	22915	(198)	(0.8)
VII PE 31	18704	18350	354	1.9
Total G/S*	173217	162970	10247	6.2

* Includes 2944 Affiliates.

1978 RAB MEMBERSHIP DEVELOPMENT COMMITTEE

Chairman*

David C. McLaren
Gen. Tel. Co. of Florida
P.O. Box 110
Tampa, Fl. 33601
(813) 224-4409 (O)
(813) 531-1733 (H)
(813) 229-1375 (Telecopier)

Region 2 Representative

Leonard M. Schwab
8709 Southard Pines Court
Vienna, Va. 22180
(703) 790-1566

Region 5 Representative

W. G. Thorman
111 Tyrol Street
San Antonio, Az. 78209
(512) 227-3211, Ext. 384

Region 8 Representative

Dick C. Poortvliet
St. Ursalakliniek
Eikenlaan 3 - 5
Wassenaar, Netherlands

Division I Representative

Col. Allen D. Dayton
Headquarters AFCS/EPG
Scott Air Force Base
East St. Louis, Ill. 62225

Division IV Representative

Richard Sparks
Raytheon Company
Hartwell Road
Bedford, Ma. 01730
(617) 274-7100, Ext. 4523

Division VII Representative

Howard M. Hess
32355 Susanne Drive
Franklin, Mi. 48025
(313) 626-8916

Vice Chairman*

K. Reed Thompson
4528 Wyndale Avenue, S.W.
Roanoke, Va. 24018
(703) 387-7370 (O)
(703) 989-9402 (H)

Region 3 Representative

K. Reed Thompson

(See Above)

Region 6 Representative

R. E. Reiner
1864 Bella Vista Drive East
Sierra Vista, Az. 85635
(602) 538-6016

Region 9 Representative

Eduardo Bonzi Correa
Casilla 9807
Santiago, Chile

Division II Representative

Martin Plotkin
Brookhaven National Lab.
Upton, N.Y. 11973
(516) 345-4717

Division V Representative

Sam Horvitz
Box 274
Waterford, Ct. 06385
(203) 442-0771

Past MDC Chairman

Professor Kenneth W. Atwood
Electrical Engineering Dept.
University of Utah
Salt Lake City, Ut. 84112
(801) 581-6944 (O)
(801) 255-8062 (H)

Region 1 Representative*

Calvin O. Stoutz
21 Stoney Clover Lane
Pittsford, N.Y. 14534
(716) 722-2557 (O)
(716) 381-2177 (H)

Region 4 Representative

Professor Harry G. Hedges
Michigan State University
East Lansing, Mi. 48824
(517) 353-6484

Region 7 Representative

C. E. Spike
University of Waterloo
Dept. of E.E.
Waterloo, Ont., Can.
(519) 885-1211, Ext. 3716

Region 10 Representative

J. A. Okochi
5-51-12 Denenochofu Ohta-ku
Tokyo, Japan

Division III Representative

Quayne Gennaro
New Jersey Bell - Room 1205A
540 Broad Street
Newark, N.J. 07101
(201) 649-3171

Division VI Representative*

Professor J. M. Biedenbach
College of Engineering
University of South Carolina
Columbia, S.C. 29208
(803) 777-6693

Chairman, 1978 RAB SAC

Professor John B. Gordon
Tex. Energy & Advisory Council
7703 North Lamar
Austin, Tx. 78752
(512) 475-5588

IEEE Staff Secretary*

Mark M. Lucas
IEEE Membership Development
345 East 47th Street
New York, N.Y. 10017
(212) 644-8080 (O)
(212) 751-6898 (H)
(212) 752-4929 (Telecopier)

*Planning & Evaluation Committee

MML 7/78

step to achieve that goal for engineers and the companies that employ them. The author is Michael D. Batten, senior staff associate of the National Manpower Institute in Washington. The booklet covers pertinent provisions of the Age Discrimination in Employment Act of 1967 with its 1978 amendments, issues warning signals on detection and assessment of age discrimination, and offers guidelines for action. An appendix provides a list of offices to contact in suspected cases. The booklet (catalogue number UH0131-3), priced at \$3 for members, \$6 for nonmembers, may be ordered from the IEEE Service Center, 445 Hoes Lane, Piscataway, N.J. 08854.

RAB NEWS

GUIDES UNDER SCRUTINY

The Field Services Staff is seeking experienced volunteer officers to assist in the revision of Region, Section, Chapter, and Branch Guides. For example, current or former Section Finance Chairmen are sought to work together in revising the Financial Operations Guide for Sections; current or former Chairmen are sought to help revise the Sections Operations Guide. To offer help, use the questionnaire enclosed as an insert on pp. 21-22 of this issue. Reply to Anna J. O'Connor at Headquarters.

ELECTROLATINA IN SPECTRUM

Beginning with the July issue of *Spectrum*, the 4500 members in Region 9 (Mexico, Central and South America) are to receive their own Region 9 Newsletter, as a special quarterly insert in *Spectrum*. News of special interest to Region 9 members is covered in the newsletter, which was previously sent in bulk to Section Chairmen for distribution to their members.

AWARDS AND RECOGNITION SURVEY

Last month, Regions, Councils, Sections, and Subsections were sent a questionnaire on local Awards and Recognition programs. Sully Sullivan, Chairman of a new Regional Activities Board Committee on this subject, urges every recipient to respond. If anyone missed receiving a copy or needs additional information, he may write or call Field Services Director Robert Asdal at (212) 644-7759.

GET OUT THE VOTE

In last year's elections, of those eligible to vote, about 36 percent of the members returned their ballots. Clearly, more members should participate in the elections. Plans should be made now to include appeals urging members to vote in the next issues of local newsletters. Ballots will be in the mail by September 1, and must be returned by noon on November 1. Useful election information appears in *The Institute's* August issue.

STUDENT NEWS

The Student Branches will soon be gearing up for the coming school year. As the Branch officers begin to make their plans, one of the toughest problems they will face is finding speakers and program material for Branch meetings. The Student Activities Committee (SAC) encourages the *EE* readership to lend the students a helping hand if possible. Suggestions and comments will be welcomed by the Branches.

The students' problem is that they won't be able to find you, so please take the initiative to contact them. A telephone call to the EE Department of a local university

or to your *alma mater* will put you in touch with the students. SAC is sure you will find the experience rewarding: working with the students today is an investment in the future.

PUB NEWS

The Institute's annual election special issue, which appears this month, provides members with not only biographical information on the Presidential and Executive Vice-Presidential candidates, but with specific interviews with the candidates themselves. In addition, the issue carries statements by the candidates for Regional and Divisional Directors and a proposition to amend Articles VII, IX, and XII of the IEEE Constitution regarding the election of the Board of Directors.

TAB NEWS

CONFERENCE RECORD SALES

The sale of conference records is up by 45 percent for the first six months of 1978, compared with the same period in 1977. Innovative efforts initiated by the staff are paying off. At this rate, the 1978 sales volume of conference records will exceed the \$1 million mark. The 1978 year-end surplus from conference records alone may approach half a million dollars.

Conference activities are a TAB function which can contribute directly to TAB's financial well being. Therefore, campaigns were launched in 1977 to enhance the conference records sales volume by promotional efforts. Typical new projects have been the Conference Publications Catalog, which was produced for the first time in the Fall of 1977, and the publicizing of conference publications utilizing otherwise blank pages in the *Transactions* and *Journals*. In addition, new suboptions to the existing OOP I category for conference proceedings were created in order to encourage additional subscribers with particular technical interests.

CONFERENCE ACTIVITIES

As of this month, all 1978 conference records will be available on microfiche. Also, a newly designed brochure on conference publications was mailed out recently to IEEE members having appropriate technical interests as determined by their Technical Interest Profiles. For further information, contact Conference Activities Manager Richard Jerril at (212) 644-7895.

CALL FOR DELEGATES

The Computer Society will send a delegation to the Chinese Electronics Society of the People's Republic of China this Fall. Those interested in joining the group should submit *curriculum vitae* to: Dr. Jerry Sevick, Chairman, IEEE Transnational Relations Committee, Bell Labs, 600 Mountain Avenue, Murray Hill, N.J. 07974; and Mr. Merlin G. Smith, President, IEEE Computer Society, IBM Watson Research Laboratories, Box 218, Yorktown Heights, N.Y. 10598.

The Power Engineering Society has been invited by the Chinese Electrical Engineering Society of the People's Republic of China to send a delegation this September. Those who wish to be considered as candidates for the delegation should submit *curriculum vitae* to: Dr. Jerry Sevick, Chairman, IEEE Transnational Relations Committee, Bell Labs, 600 Mountain Avenue, Murray Hill, N.J. 07974; and Dr. H. H. Woodson, President, IEEE Power Engineering Society, University of Texas at Austin, Austin, Texas 78712.

ELECTRICAL HISTORY FELLOWSHIP

The IEEE History Committee announces the availability of a fellowship in the field of electrical engineering history for the academic year 1979-80. This fellowship, funded by a grant from the IEEE Life Member Fund, and awarded for the first time in 1978 (see June *EE*), consists of a basic stipend of \$6500 plus an amount of up to \$2000 for tuition and fees.

The recipient will be selected on the basis of Graduate Record Examination scores, college transcripts, letters of recommendation, and information as to the proposed field of research contained in the application. The award will be conditional on acceptance of the candidate into an appropriate graduate program in history at a school of recognized standing. Students with undergraduate degrees in engineering as well as those having degrees in

the sciences or humanities are invited to apply. The deadline for receipt of applications is February 1, 1979. Application forms may be obtained from Reed Crone, Secretary of the IEEE History Committee, at Headquarters.

CHAPTER/SECTION NEWS

The status of the Madison/Milwaukee Chapter of the Power Engineering Society was changed to include the members of the Northeastern Wisconsin Section. The Chapter is now known as the Madison/Milwaukee/Northeastern Wisconsin Chapter of the Power Engineering Society, administered in the Milwaukee Section.

The Quantum Electronics and Applications Chapter of the Boston Section was established.