

# IEEE Region 8 newsletter



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS  
INCORPORATED

Editor: Mr W.H. Devenish, The Electrical Research Association Ltd.,  
Cleeve Road, Leatherhead, Surrey, England KT22 7SA.  
Tel. Leatherhead 74151

Telex 264045

Regional Director: Prof. E. Folke Bolinder  
Chalmers University of Technology, Gothenburg, Sweden

No. 40 OCTOBER 1977

## YOUR VOTE IS IMPORTANT — MAKE SURE THAT YOU USE IT — AND USE IT WISELY

There exist today a lot of conflicting views on the future of IEEE. So, will the Institute remain a transnational institute known mainly for its technical excellence, or not? The upcoming election of President, Executive Vice-President and Directors of odd numbered Regions and Divisions is an important one. The candidates for President are Irwin Feerst, petition candidate, and Ivan A Getting, the Board of Directors candidate. The candidates for Executive Vice-President are Carleton A Bayless, the Board of Directors candidate, and C Lester Hogan, petition candidate. In the new separately published news supplement to Spectrum, "The Institute", you can find statements and interviews of the candidates. There are also excerpts of an interview of Mr Feerst concerning his Committee of Concerned EEs newsletter. Please take some time and read this informative material, vote by completing your ballot form, and send it, preferably by airmail, to IEEE Headquarters in New York, so that it arrives before November 1 noon New York time. The proposition for Constitutional Amendment concerning Nominations and Elections is proposed by the Board of Directors. I concur.

Another proposition, by petition, is of very great importance to Region 8. It would decrease the number of Regional Directors outside the United States from four to one. Thus the representation by the non-US members on the Board of Directors would be reduced in a drastic way. The Board of Directors urges you to vote against the proposition, and so do I. Some members in the United States would like to replace IEEE by AIEEE, "A" for "American". This will be the end of IEEE being a transnational Institute. Therefore, VOTE AGAINST this proposition. Your vote is important!

The third proposition, also by petition, proposes that dues and assessments of the Member shall not increase without the concurrence of the voting Members. The Board of Directors urges you to vote against this proposition, and so do I.

Sad to say, usually only about 36 per cent of the membership votes. This means that around 18 per cent of the members may lead us on the road towards disaster. So, **please vote!**

E Folke Bolinder

## REPORT FROM THE REGIONAL DIRECTOR

This time I will report on what happened in Minneapolis, Minnesota in July. On July 11 the Directors of Regions 7 to 10 met in an informal way to discuss matters of mutual interest. Mr D M Hinton, VP and RAB Chairman, and Dr G Sinclair, EAB/RAB Liaison, both from Canada, participated. After a TAB Dinner some lectures on energy problems followed.

The Regional Activities Board Meeting was held on the next day. I reported that EUROCON '77 was a success, and that IEEE had an exhibit at the World Electro-technical Conference in Moscow in June.

There were about 1,000 enquiries from the Russian participants about IEEE and about 25 per cent wanted to become IEEE members. There is no Russian Section today, but we have about 20 members. Since the Soviet Union does not permit money to leave the country a dues payment method has to be found. The Staff will look into the matter. I also reported that there is a problem with the France Section concerning the leadership and the administrative status. Mr Hinton visited the Chairman of the France Section, Mr J P Voge, in June and discussed an agreement between IEEE and SEE, the National Society. The negotiations will continue and the matter will be taken up at the next RAB Meeting in November.

The Membership and Development Committee has been transferred to RAB. My motion on travel funds from the RAB to SAC and MD members so that they can attend at least one meeting every second year failed (2 yes, 7 no, 3 abstentions).



On July 13 I attended the Executive Committee Meeting as an observer. Thus I was a little prepared before the Board of Directors Meeting which was held on July 14 and 15.

Here the main topic was finances. The Treasurer, Mr Robert D Briskman, anticipated a sizeable surplus for 1977, about \$500,000. He divided the BoD into working groups to consider the 1978 financial prospects in detail. Every Board Member was told to allocate funds on a given form. To facilitate the job experts supplied information by permutating to the groups. Very interesting. After much consideration the Board decided that there shall be no dues increase in 1978 in spite of an anticipated deficit of about \$200,000 that year. I think that this is a wise decision. However, Mr Briskman foresaw a more serious deficit in 1979 which means that we probably have to be prepared for a dues increase then. The Board reduced the total number of eligible voting member signatures required to put a petition candidate for Regional or Divisional Director on the ballot ticket from 2 to 1 per cent. I voted against it. There seems to me to be a potential danger that a large Section may control a Regional election.

A much discussed proposal by USAB Chairman, VP J J Guarrera, on establishing an IEEE political action fund was put on ice until the November meeting. Another delayed item was the implementation procedures for "putting teeth" into IEEE's Code of Ethics on which a USAB member gave a good extensive lecture. This is also hot stuff that will enliven the November meeting. My opinion is that IEEE should remain a transnational institute known mainly because of its technical excellence. IEEE can assume an advocacy role in technical matters, standards, etc. However, IEEE should not in any way indulge in any sort of advocacy in professional matters, in particular the IEEE Code of Ethics implementation procedures proposed by USAB.

Two year renewals of agreements between IEEE and AEI, Italy, and IEEE and SEP, Polen, were unanimously approved. A UKRI Section suggestion on transferable vote was appreciated by the Board but rejected. The idea is good but it will be hard to realize (two-thirds of the IEEE members must say yes).

Please let Dr G H Byford, RAF Institute of Aviation Medicine, Farnborough, Hants, UK know if you are interested in a Regional Chapter of Engineering in Medicine and Biology.

Gothenburg, Sweden, August 25, 1977  
E Folke Bolinder

PUBLISHED QUARTERLY		JAN.	APRIL	JULY	OCTOBER
DEADLINES	News to Editor	Dec. 7	Mar. 7	June 7	Sept. 7
	Advertisements to County Secretarial Services	Dec. 15	Mar. 15	June 15	Sept. 15
	Delivery inserts to County Secretarial Services	Dec. 22	Mar. 22	June 22	Sept. 22



## INSTITUTE NEWS

### The new US copyright law

The new US copyright law, which takes effect next January, requires publishers officially to obtain written transfers of rights from authors or their employers in order to copyright their works. Such copyright transfer is necessary in order for journal publishers, such as IEEE, to continue to function effectively. It will provide a single source to whom individuals, libraries and other publishers can turn for reprint or republication permission and for dealing with such requests on behalf of IEEE's 12,000 authors per year. Policies and procedures were to be developed by midsummer to make transfer of rights as simple as possible for editors and authors to execute and to provide maximum privileges for authors. Since the new procedures will require educating authors and their employers, all hands are alerted to the need for full co-operation during the transition. For further information, contact Woody Gannett.

### The Long-Range Planning Committee

The Long-Range Planning Committee (LRPC), chaired this year by former IEEE Executive Vice-President Robert Cotellessa, has changed its focus since the issuance of its 1973-75 LRPC report (see Spectrum, June). Although one of the committee's charges for this year is to publicise the report and commentary on it, it is also taking on specific areas within which concrete improvements can be executed.

This year, the committee's main charge has been to prepare the Institute for activation of the President-Elect system. Robert Cotellessa explained how this system would work. At the moment, the Institute elects independently an Executive Vice-President and a President, with no succession arrangement. A plan is under study to have the elected Executive Vice-President become the next year's President automatically. In other words, the candidate would be elected to serve for a two-year term: on year as Executive Vice-President, one year as President.

The committee has been rewriting applicable portions of the IEEE Constitution and Bylaws, particularly Article 12, Section 1, to allow for instituting the President-Elect system. The proposed constitutional amendments were to be publicized in Spectrum this September if they were given initial approval by the Board of Directors in July; then, if all goes smoothly, they will be put to a member vote in September 1978. Among the advantages of this system are continuity in the office of the Presidency and an ample planning period for the new administration. However, the plan may also carry drawbacks, and the LRPC and the Board are interested in soliciting general membership response to the idea. If the plan is instituted, the first President-Elect chosen under it would serve his or her term in 1980.

The committee is comprised of 13 members and four consultants. It has operated on an extremely modest budget since the LRPC report was issued; however, it benefits from the full co-operation of other IEEE officers and committees.

### IEEE position on Energy Conservation

It is the IEEE position that energy conservation programmes should be given the highest national priority in energy planning.

The rapid depletion, worldwide, of certain unrenovable fossil energy resources warrants continued identification and aggressive implementation of effective programmes in which energy conservation is included as an important adjunct to the development of alternative energy sources. Such conservation programmes should be given the highest

immediate priority in national energy planning. They should be based on both implementation of available technology and on the undertaking of appropriate and promising research and development where existing technology appears inadequate.

It is the position of IEEE that the priorities, timing and degree of implementation should be based on thorough and competent analysis of the technology, cost effectiveness and the social, economic and environmental benefits attainable, with recognition of potential public acceptance. Such procedures should be capable of providing substantial energy savings without significantly impairing standards or slowing economic growth.

In the establishment of such energy conservation plans it is the Institute's position that consideration should be given to the following concepts and objectives:

**Areas of application.** Energy conservation is not limited merely to a reduction of energy use. On the contrary, the potential for energy savings lies in numerous areas, each of which are candidates for significant conservation implementation and development programmes. Ten areas are mentioned as examples.

**Voluntary action.** It is appropriate that energy conservation measures be implemented through a combination of regulatory and voluntary action. However, no regulatory action can be effective unless producers and consumers provide voluntary support in the belief that compliance is truly cost effective from their own standpoint.

**Cost incentives.** Public acceptance of proven energy conservation measures will depend on effective information programmes and, in many cases, on the establishment of tax and price incentives at the consumer level. In doing this, thorough consideration should be given to incentives both in the production and consumption areas, so as to recognize improved efficiency in products and practices through a net reduction in associated consumer prices wherever possible. Methods should be devised and implemented to encourage the use of life cycle costing for energy-consuming investments and to recognize the increasing costs of electricity. Where appropriate, the price of electricity should be such as to encourage users to shift their time of usage away from peak demand periods. In general, the price of primary energy sources should be set in the free market place.

For further information contact Ralph Clark, IEEE Washington Office.

### Three New Books

Three new books are being issued by IEEE Press: "Electrical Noise: Fundamentals and Sources" edited by Madhu S Gupta; "Microprocessors: Fundamentals and Applications" edited by Wen C Lin; and "Computer Methods in Image Analysis" edited by J K Aggarwal, R O Duda and A Rosenfeld. The 368-page book "Electrical Noise: Fundamentals and Sources" contains 22 reprinted papers concerned with all aspects of fluctuation noise and is priced at \$13.45 for the paperback and \$20.20 for the clothbound edition for IEEE members. "Microprocessors: Fundamentals and Applications", a 344-page volume sponsored by the IEEE Computer Society, contains 43 reprinted papers and is priced at \$9.95 and \$14.95 for IEEE members. "Computer Methods in Image Analysis", a collection of 31 papers in 472 pages, focuses on digital image analysis—the use of computer to extract useful information from digitized pictures. It is sponsored by the IEEE Computer Society, and is priced at \$14.95 and \$22.45 for IEEE members. All three volumes can be ordered post-paid from the IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.

## MEETINGS IN REGION 8

### Seminar on Communications 78

The importance of the changes and developments in the international status of Communications 78 which have taken place over the past year have led to the organization of a Communications 78 Seminar to bring exhibitors and potential exhibitors fully up-to-date on the exposition. The Seminar will be held in the lecture theatre of the Institution of Electrical Engineers (Savoy Place, London WC2) at 10.00-12.30 hours on Wednesday, October 12, 1977.

From an international status point of view, the most significant development has been the support and involvement of the International Telecommunication Union (ITU)—the world telecommunications authority representing 153 governments. This has helped to emphasize the importance of the exposition's PTT Telecommunications theme, one of the three themes of Communications 78 which draws particular attention to the immense potential being created by the converging technologies of computing and telecommunications. Further emphasis is provided by the new central authority role which is being played for the first time by Post Office Telecommunications.

An equally far-reaching change has been made in the importance of the Fixed and Mobile Radio Communications theme, by the close involvement for the first time of the Directorate of Radio Technology at the Home Office in addition to continued support from the Directorate of Telecommunications.

The international status of the integral Communications 78 Conference has also been increased. It will again be organized by the Institution of Electrical Engineers (IEE) but for the first time in association with the

Institution of Electrical and Radio Engineers (IERE), the UKRI Section of the Institute of Electrical and Electronics Engineers (IEEE) and the IEEE Communications Society.

### Designing to Life Cycle Costs

A major international conference on "Designing to Life Cycle Costs" to be held in London on December 1 and 2, 1977. Further information, including details of the programme, are available from State of the Art, John Carpenter House, John Carpenter Street, London EC4 0AS, Telephone 01-353 6791, Telex 264079. The US sponsors in addition to the American Institute of Aeronautics and Astronautics will be the American Institute of Industrial Engineers (AIIE) and the Society of Logistics Engineers (SOLE). The IEEE (UKRI) is a joint sponsor.

Life cycle costing involves the concept of buying equipment designed to be a compromise between purchase price and maximum achievable performance, taking account the cost of repair and maintenance throughout the life of the equipment. The American Government is increasingly purchasing defence equipment on this basis, and the practice is spreading to European governments. The Conference is therefore of especial interest to everyone in any way concerned with the supply of defence equipment.

### Biosigma 78

This international conference, to be held in Paris from April 10 to 14, 1978, organized by the SEE (Société des Electriciens, des Electroniciens et des Radioélectriciens) and by the GIEL (Groupement des Industries Electroniques) has been sponsored by the IFMBE (International Federa-



tion for Medical and Biological Engineering), IEEE and numerous scientific societies. Its aim is to gather medical doctors, scientists and engineers specialized in acquisition and processing of signals and images in medicine and biology and make possible the evaluation of the corresponding systems.

The sessions will be generally opened by "state of art" lectures to be followed by papers and discussions on problems of design and utilization of systems.

Workshops will be organized on selected topics and a scientific and technical exhibition will be organized.

Further information from: Secretariat Général de Biosigma 78, 11 rue Hamelin, 75783 Paris Cédex 16, France.

#### Intermag Conference

The purpose of the 16th International Magnetism Conference is to provide a forum for presentation of new developments in applied magnetism, related magnetic phenomena and information storage techniques. It will be held May 9-12, 1978 in Palazzo dei Congressi, Florence, Italy. It is sponsored by the Società Di Fisica, the Associazione Elettrotecnica Italiana and the IEEE Magnetism Society.

In addition to the contributed papers, there will be invited papers, sessions wherein competing technologies can be assessed, tutorial sessions, and workshops for less formal discussion of timely and/or controversial topics. Special emphasis will be placed on applications oriented topics in the above, as well as in the contributed papers.

Contributed papers are solicited in all areas of applied magnetism, related

magnetic phenomena and information storage technologies. Topics of wide interest in recent years have included all aspects of magnetic recording, various magnetic and other memory technologies, microwave magnetism, electronic transformers, permanent magnet materials and technologies, control and power conversion and conditioning, magnetometry and transducers, magnetic gradient separation, magnetic levitation and drives, magnet field calculations and magnetic materials properties and processing. This list is intended to be suggestive rather than restrictive.

Digests must be received by December 15, 1977; they should be sent to: David A Thompson, IBM, Thomas J Watson Research Center, PO Box 218, Yorktown Heights, New York 10598. The digest is not an abstract, it is a two-page condensation or summary which outlines the work to be reported and includes as many of the results as possible. The inclusion of figures, tables and especially numerical results is encouraged. The Programme Committee must judge by the technical content of the digest when considering the paper for inclusion in the Intermag programme and place each digest in one of 20 categories. For a list of these and other information write to: A Paoletti, Laboratorio di Elettronica dello Stato Solido del CNR, 00156 Roma, Italy; or D R Anselmo, Bell Telephone Laboratories, Whippany, New Jersey 07981.

Oral presentation at Intermag must be in English; approximately 12 minutes will be allowed. The September issue of the "Transactions on Magnetism" will be the Intermag Proceedings. It is expected that March 15, 1978 will be the deadline for manuscript submission and that the length limit will be about three "Transactions" pages.

## REGION 8 NEWS

#### News of Members

It is with deep regret that we report the sudden death of Dr F J Miranda, a Fellow of the IEEE, on July 16 at the age of 68. Although he had retired from the position of Chief Engineer of Pirelli General in 1974, he still remained active in the Pirelli organization in a consultative capacity until the time of his death.

#### EUROCON '77

The complete Conference Proceedings "Communications" are published in two volumes (1,357 pages), containing more than 200 papers in English. A limited number of copies are available from Associazione Elettrotecnica ed Elettronica Italiana, Viale Monza 259, I-20126 Milano (Telex: Milano 33207; Telephone: Milano 2550642) at a price of \$50 (for the two volumes).

#### IEEE Standards now Marketed in Europe by IEE

As part of the friendly co-operation which exists between the Institute of Electrical and Electronic Engineers (USA) and the Institution of Electrical Engineers (UK), certain IEEE Standards are now available from the Publications Department of IEE, Savoy Place, London WC2R 0BL.

## NEWS OF THE SECTIONS

#### BENELUX SECTION

At the end of July, 1977 the total number of active members in the Benelux Section was 851 (against 811 in 1976).

This increase is mainly due to the vitality of the Student Branches, especially in Belgium. At the end of the academic year, 233 student members were registered.

In the Netherlands, the meetings are organized in close co-operation with the national engineers associations, a form of co-operation which is considered beneficial to all groups concerned.

On August 15, 1977 the establishment of a Joint Antennas and Propagation/Microwave Theory and Techniques Chapter was approved. Dr Maanders (Eindhoven Technical University) acts as the Interim Chairman until an election has been held.

For administrative reasons, it has been decided last year to have a Vice-Chairman and a Vice-Secretary of the other country than the Chairman and the Secretary to allow a better contact between the Section Committee and the members, a rotation being organized every two years.

For the period September 77-September 78 meetings are planned about the following subjects: Cable television (Utrecht), Instrumentation (Amsterdam), Integrated circuits (Brussels), Glass fibres (Eindhoven), Power electronics, Remote sensing, Air traffic regulation (Amsterdam), Spatial telecommunications (Louvain-la-Neuve), Telephone traffic, Devices, Communications for energy plants.

Officers: Chairman, Professor A Vander Vorst; Vice-Chairman, Prof E Maanders; Secretary-Treasurer, Prof A Laloux; Vice-Secretary, Ir G Arink.

#### GERMANY SECTION Members

The number of members increased from 491 in April 1976 to 544 in April 1977.

#### Conferences

##### NTG Conferences with co-operation of the German Section

"International Conference on Thin- and Thick-Film Technology",

Customers in the UK and Europe, by ordering from the IEE, are now able to save time by avoiding postal delays from the USA.

**IEEE Std 488-1975** (£8.00). Digital interface for programmable instrumentation. Utilizing a byte-serial bit parallel means to transfer data among a group of instruments and systems, the interface system is designed as an interdevice interface for system components in relatively close proximity able to communicate over a contiguous party-line busbar system.

**Atlas test language** (£10.50). A standard abbreviated English language used in the preparation and documentation of test procedures for manual, automatic or semi-automatic implementation.

**Atlas syntax** (£8.00). A second volume in the Atlas series.

**CAMAC instrumentation and interface standards** (£15.00). A hard-cover volume of the four individual CAMAC standards (as listed below).

**IEEE Std 583-1975** (£8.00). Modular instrumentation and digital interface systems (CAMAC).

**IEEE Std 595-1976** (£8.00). Serial highway interface system (CAMAC).

**IEEE Std 596-1976** (£5.50). Parallel highway interface systems (CAMAC).

**IEEE Std 683-1976** (£3.50). Block transfers in CAMAC systems.

September 28-30, 1977 in Augsburg.

"International Conference on Information Theory and System Theory in Digital Communications", September 18-20, 1978 in Berlin.

#### International Conferences with co-operation of the Germany Section on behalf of IEEE Region 8

"7th European Microwave Conference (EuMC)", September 5-8, 1977 in Copenhagen, Denmark.

"7th European Solid State Device Research Conference (ESSDERC)", September 12-15, 1977 in Brighton, England.

"3rd European Solid State Circuits Conference (ESSCIRC)", September 20-22, 1977 in Ulm, Germany.

"1978 International Zurich Seminar on Digital Communications", March 7-9, 1978 in Zurich, Switzerland (co-operation of IEEE Switzerland Section).

Besides this, the Treasurer of the German Section of IEEE, Dr rer nat H Ruechardt, is a member of the Organizing Committee for the "International Electron Devices Meeting" in Washington, December 5-7, 1977.

#### Membership Roster

For the second time a Membership Roster of all active members of the IEEE Germany West Section, as of May 1, will be sent to the members. The first distribution of a Membership Roster was made in May, 1975 and it is planned to continue this service.

#### Publicity Campaign for Student Members

In the last meeting of the Executive Committee of the IEEE German Section it was decided to start a publicity campaign for recruiting Student Members. For this reason a number of professors of Technical Universities in West Germany have been requested to nominate up to three students who are interested in the IEEE membership. The Germany Section of IEEE pays the membership dues for these students for two years plus the delivery of an IEEE publication.



### Communications Chapter

In January, 1976 a Communications Chapter was established within the framework of the IEEE Germany West Section. In accordance with the Bylaws, the main purpose of this Chapter is to serve IEEE members who as members of the US Army are living in Germany but, of course, the membership of the Chapter is open for all IEEE members. Mr Alfred Hollander, Mannheim, was elected as Chairman of the Chapter. Since his transfer to Naples, Italy, there has been no activity of the Chapter.

### UNITED KINGDOM AND REPUBLIC OF IRELAND SECTION

Mr Michael A Giddings has agreed to take on the job of looking at the educational facilities available from New York, such as short courses and speakers, to see if any would be of use to UKRI members, and if so what arrangements we should make to use them. In addition he is prepared to arrange Section meetings, such as those after the last AGM and after the next Committee meeting. Mr Giddings will also be thinking of an exchange of speakers with other Sections in Region 8, and he will give his attention to this more difficult

problem after he has dealt with the New York facilities. Mr Giddings's address is: 3 Arkwright Road, Irchester, Wellingborough, Northants, and he is employed by Communications Studies and Planning Ltd; Telephone 01-637 9757/8.

**Professional Communication Chapter.** Members are reminded that a meeting has been arranged for November 2nd at the Department of Electrical Engineering, Imperial College, Exhibition Road, London SW7 at 6.00 pm (tea at 5.30 pm). Robert Spence of Imperial College and a Fellow of the IEEE will speak, with a demonstration and film, on "Man-Computer Interaction: A Key Component of Computer-aided Circuit Design". A brief summary of the Lecture was given in the July Newsletter.

It is hoped to arrange a Weekend Conference (Friday dinner to Sunday lunch) on Professional Communication to be held at the Beauport Park Hotel near Battle, Sussex, March 3-5, 1978; preliminary details are given on the enclosed insert. In order to gauge the reaction of members to the proposal the Committee would be very grateful if they would **complete the questionnaire** attached to the insert and return it within the next week or ten days.

## STUDENT ACTIVITY NEWS

### Vincent Bendix Award (or Great Lofty Ideas Can Happen)

Many Student Branches have asked how they can get more funding for Branch projects. The answer is simple—participate in the Vincent Bendix Award Competition. Your group can win up to \$500 for an innovative project. All that is required is a six-page proposal describing your project and demonstrating that it will strengthen the professional development of its creators while contributing to the development of the Branch programme as a whole.

The odds that your Branch can win are increased this year for two reasons. First, the Bendix Corporation has increased its support for the competition by \$1,000. Therefore, the IEEE judging committee can make more grants to those Branches preparing innovative proposals. Secondly, the Bendix sub-committee of the IEEE's SAC has prepared a four-page "tutorial", giving you tips and helpful hints on how to prepare that award-winning proposal.

The best hint, however, is to start planning **now**. The contest deadline is November 15. Get contest rules and information from your faculty Counsellor, Section SAC, or write to: Judy Rundle, Manager of Student Services, IEEE, 345 East 47th Street, New York, NY 10017.

### Career and Life Planning Publication Available

The IEEE Student Activities Committee has been working hard on a publication entitled "Career and Life Planning for Students". Written by Dr John Picarelli of Washington International College, the newly

published pamphlet was designed to help students assess their needs and abilities while discovering their career and life goals. The Student Services Department will be sending preview copies to your faculty Counsellor. Additional copies may be obtained by writing to Judy Rundle, IEEE, 345 East 47th Street, New York, NY 10017.

### Everything You Always Wanted To Know about the IEEE Student Programme (But were afraid to ask!)

All your questions, simple or intricate, about the IEEE Student Programme are answered in one 32-page manual, the **IEEE Student Branch Operations Guide**. Need a list of membership benefits? Want to know what happens to your membership when you graduate? Need help in recruiting new members? Require assistance in finding fund-raising projects? Simply consult this all-purpose Guide. All vital information (and more!) is available there. The 1977 edition was being shipped to every IEEE Student Branch faculty Counsellor this summer (and the IEEE Student Services Department will send out extras on request).

### Calling all Hams

A new edition of the directory of IEEE Student Hams will be published this month. Names, addresses and call letters of individual student hams and Branch stations are sought. Contact Judy Rundle, Manager, Student Services, at Headquarters.

## OUR NEWSLETTER IS TEN YEARS OLD

This is the IEEE Region 8 Newsletter No 40, which means that the Newsletter has been in existence for exactly ten years. On this occasion I take great pleasure in thanking Professor Robert C G Williams, the founder, and the Editor Mr William H Devenish for a job well done during a decade. The Newsletter has proven to be a valuable link between the Region 8 members. It is interesting to study the old issues of the Newsletter. It originally grew out of the UKRI Section Newsletter. On the first page of No 1, December 1967, there is a message from the then Director of Region 8, Robert C G Williams, and a list of members of the editorial board: Lebel (Chairman), Stumpers, Amer, David, Rohde, Lavi, Barzilai, Francini, Rannestad, Bolinder, Guanella, Lane, Vander Vorst and Russell. No 3, June 1968, showed up with a nice blue head on the first page, and No 18, April/May 1972, introduced a new style for the Newsletter, the one we have today. Action items were now considered more important than reports on past events, and advertisements were accepted. I wish the Newsletter all the best for the future. Finally, I would like to urge you, dear Member, to send on more news and photographs from the Sections, especially student news. Also, please bear in mind that a 150 per cent increase of the inserts and advertisements would make our Newsletter self-supporting!

E Folke Bolinder

### EUROPEAN ELECTRONICS SUPPLIERS GUIDE

Second edition, 1977/78.... 730 pages.... A5 format

Covers: Components, Computers, Communications,  
Materials, Production equipment and Dedicated equipment

2800 manufacturers.... 880 products....

With cross referencing

All essential information and indexing in

English, German & French

Send for descriptive leaflet :

**C. G. WEDGWOOD & COMPANY**  
14 King's Road, Wimbledon, London SW19

### ADVERTISING AND INSERTS

Enquiries to County Secretarial Services, P.O. Box 7, Guildford, Surrey, England GU2 5HH. Telephone 0483 77777. Telex 264045. Cable address Cosoc Guildford. Delivery address 8 The Flower Walk, Guildford. Deadline dates in box on front page.

#### ADVERTISING RATES

Display — \$500 per full page. \$300 per ½ page. \$150 per ¼ page. Special section for Appointments/Professional Services/Publications — \$75 per ¼ page to include setting.

#### INSERT RATES

For full Regional distribution to approximately 8,000 members in Europe, Middle East and North Africa, size A5 or folded to A5 (148mm x 210mm), weight 10gms \$550, 20gms \$625, 30gms \$700. Lower rates for distribution to one country only or to a group of countries. Additional charge if collation required. Recommended method of delivery to County Secretarial Services is by air mail parcel post (check local postal regulations for maximum weight per parcel) or by air freight with notification of airline and airway bill number.