

IEEE Region 8 newsletter



NEXT ISSUE—NOVEMBER
COPY DEADLINE—OCTOBER 7

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 ERALHD G

Regional Director: **D. C. J. Poortvliet**
TNO Research Unit, Westeinde Hospital, EEG Dept.,
Lijnbaan 32, 2512 VA The Hague, The Netherlands.

No. 47 AUGUST 1979

PLEASE USE YOUR VOTE IN THE COMING ELECTION

In the fall of 1979 again new people will be elected for the IEEE top jobs for 1980. The Board of Directors' nominee for IEEE President is Burkhard H. Schneider, Vice-President Divisions of the Detroit Edison Company.

The petition candidate for IEEE President is Leo Young, Staff Consultant, Electronics Technology Division, Naval Research Laboratory, Washington DC.

The Board of Directors' nominee for Executive Vice-President is C. Lester Hogan, Vice-Chairman of the Board, Fairchild Camera & Instrument Corporation, Mountain View, CA.

As it is almost impossible for the candidates to travel and speak in the

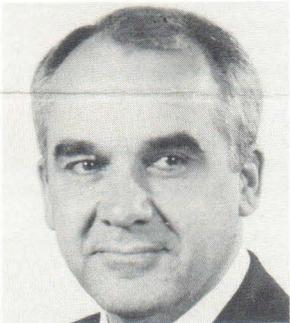
non-US Regions I asked the two Presidential Candidates to write a statement for this Newsletter. You should read those statements carefully so you can form your own opinion and then please **vote**. Your vote is important to show the IEEE that the non-US Regions really care about the transnational policy. It might even support your Regional Director's work at the Board of Directors, because this is the place where the decisions are made, also for Region 8.

So please vote and send your ballot back long before the **deadline**, because it takes time to get it back to the US.

DICK C. J. POORTVLIET

ELECTION STATEMENTS FROM THE TWO PRESIDENTIAL CANDIDATES TO IEEE MEMBERS IN REGION 8

BURKHARD H. SCHNEIDER



Burkhard H. Schneider

Each year the IEEE Presidential campaign becomes more and more vigorous. No one would blame the members of Region 8 for being anxious about the impact of these political activities on the future ability of IEEE to properly serve its non-US members. Region 8 Directors have frequently voiced their concern about the amount of time spent by the Board of Directors resolving problems in connection with IEEE's United States Activities Board. Fortunately, all the normal signs point to vigour, activity, and healthy growth in all segments of IEEE activity. The technical work of the Institute shows particular growth as measured by growth in society

memberships, papers published, and attendance at meetings. Since we are a big and diverse organisation, we *can* serve members with many different interests. In fact, these divergent interests can and will complement each other to build a stronger Institute.

Region 8 members can contribute by making some important decisions which *will* impact the future course of the IEEE.

1. You must decide to vote. Last year only 12% of Region 8 members voted. A large percentage of you run the risk of seeing a fundamental change in the character of the IEEE which you may not desire.
2. You will have to decide which of the candidates has the leadership skill and management experience to assume the presidency of a complex \$25,000,000 per year organisation like the IEEE.
3. Finally, you will have to decide which candidate has the greater breadth of IEEE experience, and the better track record of getting things done. For instance, which candidate has the best chance of moving the IEEE forward, but without promoting the controversy and dissension that has sometimes hampered our efforts?

The key to the future success of IEEE operations is balance between the various divergent programmes. I will dedicate myself to bringing about this balance so that the reasonable interests of all of our members can be served. I strongly believe that the Presidency of the IEEE should be open and responsive to constructive suggestions from any group of members. I will particularly resist any effort to weaken our international activities. It

is clear that a good share of the strength of the Institute is derived from its worldwide character. Technical and scientific knowledge knows no geographic boundaries. I believe that we engineers can generate the kind of friendship and co-operation which has eluded the politicians and diplomats.

LEO YOUNG



Leo Young

I believe that IEEE should serve the best interests of its members, whether they happen to live in the United States, in Europe, or anywhere else. A knowledgeable and understanding President could promote technology, enhance respect for engineers and engineering, increase friendly international contacts, and encourage inter-Society co-operation. I do not intend to let this opportunity slip away without starting something constructive on the world scene.

As author, editor, Society President, international lecturer, etc., I believe IEEE's first goal is the prompt dissemination of technology. Publications must reach members

everywhere with minimum delay. Conferences should be held jointly with societies in the host country; EUROCON should be held more frequently. New IEEE Chapters should be encouraged in countries where they can play a gap-filler role. Continuing education should be expanded through IEEE's home study courses in co-operation with engineering societies and universities.

International services can be improved. IEEE can act as the catalyst for valuable international contacts. Simple innovations could make a big difference, such as credit card payments of IEEE membership fees from Western Europe, or a European office for IEEE "Region 8". Some sections should be re-activated (as in France), new ones established (as in Austria and Turkey) with the help of local IEEE members.

Co-operation with National Societies must be a cornerstone of IEEE policy in Europe. National sensitivities and differences must be respected. Specific areas of concern common to electrical engineers everywhere include societal issues such as the impact of micro-processors, spectrum congestion, energy sources, and distribution, nuclear reactor safety, teaching machines, medical care, etc.; the status of the engineer in society; the just rewards of an engineering career; and the education of engineering students. Professional and ethical standards of behaviour, and registration and licensing of engineers, are approached very differently in different countries; I know that US engineers would like to learn more about European practices. IEEE is a volunteer organisation, and it helps those who help themselves.

DEADLINES	PUBLISHED QUARTERLY				
	FEB	MAY	AUG	NOV	
News to Editor	Jan 7	April 7	July 7	Oct 7	
Advertisements to County Secretarial Services	Jan 15	April 15	July 15	Oct 15	
Delivery inserts to County Secretarial Services	Jan 22	April 22	July 22	Oct 22	

Progress in any region or country must therefore rest on the shoulders of local volunteers. IEEE can and does provide the framework within which volunteers can operate and help themselves. As IEEE President I would bring to my job a special familiarity with the European scene, and many local contacts. It is both fortuitous and fortunate that I have known for many years the incoming President of IEE (in London), and the chairman of the IEEE Section in Switzerland; and have lectured in Italy, Germany,

Israel, and so on. Furthermore, IEEE President Jerry Suran appointed me chairman of an IEEE ad hoc committee on international activities to stress the growing importance of IEEE's international role; I accompanied him to London in June this year to meet with representatives of IEE and the major European electrical engineering societies. These discussions have proved very helpful, and I hope will bear fruit next year. I certainly will do my best.

REPORT FROM THE REGIONAL DIRECTOR



*D. C. J. Poortvliet
Director Region 8 1979-80*

The 33rd Region 8 Committee Meeting was held in Zürich, Switzerland, on April 27 and 28. It was the first Committee meeting I chaired and I must say that this meeting again strengthened my faith in international co-operation and understanding. The participants were Poortvliet (Benelux), Winton (UKRI), Bolinder (Sweden), Vander Vorst and Maanders (Benelux), Becker (Denmark), Tallquist (Finland), Voge (France), Proebster (Germany), Protonotarios (Greece), Smolinski (Poland), Gopegui (Spain), Forrer (Switzerland), Russell and Giddings (UKRI), Eggmann (part-time, Switzerland), Van der Wulp (Benelux), Williams (UKRI), Wellinger (Switzerland).

Invited were Prof. Stumpers, Eurocon Trust, Dr. P. Kartaschoff, Secretary Treasurer Switzerland, Mr. J. Heierle (Switzerland). We were also happy to welcome the President of the IEEE Jerry J. Suran and the General Manager Erik Herz.

It was a pity that we could not welcome all section chairmen, because I think their presence is important. President Suran pointed out that the IEEE is very concerned about the transnational policy of the IEEE. There are many topics that are important for all IEEE Regions, e.g. ethics, energy, social implications of microprocessors, registration and discrimination. He also stated that he would like to see a close co-operation with the national societies on these matters. The meeting expressed a great concern about organising Region 8 Committee Meetings in countries with visa problems, remembering the incident with the Israel Section Chairman at the Split meeting. The committee passed unanimously the following motion:

The Regional Committee supports the policy that a meeting of the R8 Committee can and should be held in any section of the Region. However, the Committee recognises that, if a meeting is held in a country which does not have diplomatic relations with one or more countries in which a section in the Region is situated, this could create difficulties for Committee members who wish to attend. In this case the Regional Director can consider another Section to meet if he has no firm commitment of the authorities that all committee members can attend. The student activities were as usual very well represented by André Vander Vorst. He expressed his concern about the Student membership in France. The Student Paper Contest as reported in the last Newsletter was a great success.

Prof. Proebster, the Chairman of EUROCON 80, gave an excellent review about the status of EUROCON 80. Due to his efforts EUROCON 80 will be successful. The co-operation with EUREL and VDE is encouraging. The financial situation of the Region 8 Committee is rather bad. The Committee recognised several times that two meetings per year were vital. The problem, however, is that travel expenses increase rapidly, while the Regional rebates stay the same. The transnational concept was discussed quite extensively, resulting in a motion by Prof. Williams:

The Region 8 Committee fully supports the concept of the IEEE further developing its transnational role and it recommends that consideration be given to appointing a Vice-President for Transnational Affairs.

Further items discussed were blocked accounts, Centenary Celebrations 84, the Newsletter (Prof. Williams), Continuing Education (Mr. Giddings) and Membership (Mr. Van der Wulp). It should be noted that the presence of President Suran and General Manager Erik Herz was very important. Many problems could be solved on the spot and I hope that in future meetings of the Committee we get the same support.

The first week of June the IEEE Executive Committee met in London. The most important occasion for Region 8 was the meeting between the IEEE Executive Committee and the EUREL Executive Committee on Monday, June 11.

This meeting has gone a great deal further than a plain exchange of information. To my opinion it is a first step in effecting closer working relationships between IEEE and EUREL. From this place I want to thank IEEE and the UKRI Section for their hospitality and all the work they did to make the London meetings successful. The next two weeks I joined President Suran and General Manager Erik Herz on the visit to the Greece and Yugoslavian Section and to Austria. Hungary and Czecho-

slovakia. As President Suran is intending to report on this visit in "The Institute", I shall be very brief. In Greece we had a meeting with the Section Executive Committee. From the discussions with Chairman Prof. E. N. Protonotarios and the other committee members it became clear that the Greece Section is very active and is doing a very good job. The hospitality we met was almost overwhelming. The discussions with the Yugoslavian Section Executive Committee were mainly focused on the currency exchange problems. This causes problems especially when the Section Chairman, Prof. Gruden, wants to attend the Region 8 Committee Meetings. A solution to this problem will be worked out in the near future. I also want to thank the Yugoslavian Section for their hospitality and co-operation.

Our first meeting in Budapest (Hungary) was with representatives of the national institutions, viz. Prof. Dr. G. Almászy (Secretary General), Georg Bodnar (Vice-President of the Hungarian Electrotechnical Association), T. Holop (Chairman of the Committee for International Co-operation), J. Hoznek (Federation of Scientific and Technical Societies, Dept. of International Relations), T. Pal (Head of Dept. of International Relations), Mrs. Z. Szentgyörgyi (Computer and Automation Institute).

After an introduction about the IEEE by President Suran, Prof. Almászy presented a draft to establish the co-operation between IEEE and the Hungarian Scientific Society for Telecommunication (HTE). The General Manager Erik Herz will work out this proposal and will suggest solutions which can be acceptable for IEEE and HTE. The next day we had a very open and encouraging discussion with the President of the National Societies, B. A. Jefimovics. It is my sincere hope that Region 8 can establish a section in Hungary in close co-operation with the national societies.

In Czechoslovakia we met with Dr. M. Novak and J. Trnka. The possibility for establishing an IEEE Section was discussed. In September there will be further contacts with the Czechoslovakian Academy of Sciences in order to investigate the problems.

In Austria we had very encouraging discussions with Dr. Eier. Prof. K. R. Richter and Dr. A. Sethy. The establishment of an Austrian Section turned out to be only a matter of time and we could count on a good relationship with the National Societies according to Dr. Sethy. At the reception organised by President Suran it became obvious that in the near future IEEE will have a Section in Austria.

Finally, I want to say that the visits with Jerry Suran and Erik Herz were quite an experience and showed a great concern about the transnational aims of the IEEE.

I hope that the next President of the IEEE will continue this work with the same spirit as President Jerome J. Suran.

DICK C. J. POORTVLIET



Left to right: President Jerry Suran, UKRI Chairman Reg Russell, Region 8 Director Dick Poortvliet, and Executive Vice-President Leo Young at the IEEE Executive Committee meeting in London.

EUROCON '80, STUTTGART, GERMANY

24-28 March 1980

Over 150 papers have now been offered from Western Europe, Eastern Europe, the United States, Japan, and the Middle East, and the final programme can be expected in October or November.

In the opening session, which will consist entirely of invited papers, Mr. Evans (Vice-President IBM) will speak on "Data processing and communication technology". In the communication session, Dr. Voorman (Philips Research Laboratories) will present "analog filters - from LC filters via hybrid implementation towards monolithic integration". while in the "other fields" session, Mr. Martin (Centre Electronique Horloger, Neuchâtel) will give a review paper on the use of micro-electronics in watches. In the student programme, tutorial papers will be presented in the afternoons of Tuesday and Thursday, and the following subjects have been provisionally selected: LSI technology; Microprocessors - hardware aspects; Microprocessors - software architecture; Applications of LSI in telecommunications, in radio and television, and in other consumer products.

First steps are already being taken towards the next Eurocon, which will possibly be held in 1982. Several subjects are under discussion, such as "Engineering aspects of the energy crisis", and suggestions will be welcomed.

STUDENT ACTIVITIES - EUROCON 80

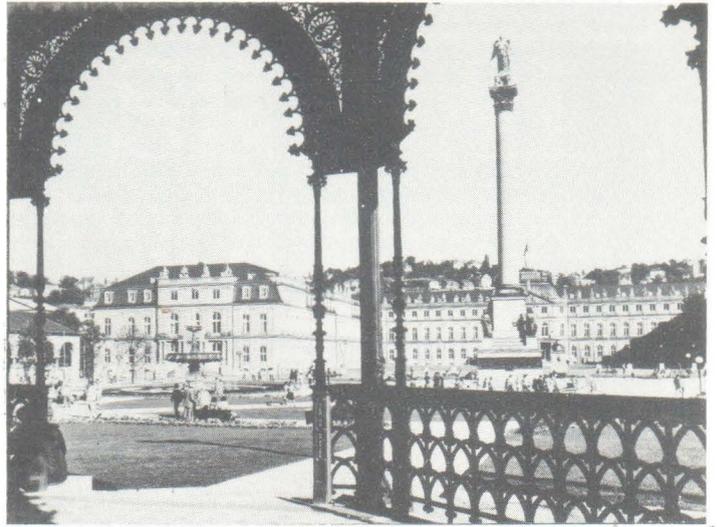
An important educational programme will be organised at EUROCON 80. Many features will be especially interesting for students and university staffs, beside the specialist conferences to be held.

Several tutorial lectures will be given to serve as a basic introduction to the theme of microelectronics. To help the students to elaborate an adequate programme of attendance, these lectures will be placed at a different time within the parallel sessions and clearly indicated in the programme.

Two complete afternoons will be devoted to "special tutorial programmes" covering the following topics: Technology of micro-electronic chips, Microprocessors (hardware and software); LSI circuitry in communications, radio, television and other industrial applications.

Industry tours will be organised during another afternoon.

The 1980 Student Paper Contest will also be held in Stuttgart



View of Stuttgart, showing Schlossplatz (Palace Square) with Anniversary Column; in the background: the Neues Schloss (New Palace)

immediately after EUROCON, on Friday afternoon.

IEEE Student Members may register at a special low fee. Low-cost lodging and eating opportunities are being investigated.

This will be a unique opportunity for the Student Branches of Region 8 to meet each other while attending a meeting of very high scientific level. There is no doubt that an international student participation will be extremely stimulating and fruitful. It is therefore suggested that all Student Branches (especially those who traditionally organise a study trip every year) plan to attend EUROCON 80.

More information will reach the Student Branches in the forthcoming months. In the meantime, it may be obtained from Professor A. Laloux, Secretary of the Student Activities Committee for EUROCON 80, and Professor A. Vander Vorst, Chairman of the Region 8 Student Activities Committee, Bâtiment Maxwell, B-1348 Louvain-la-Neuve, Belgium.

INSTITUTE NEWS

Honours for two dedicated staffers

At its February meeting, the Board of Directors passed two resolutions honouring Richard M. Emberson and Emily L. Sirjane, both of whom will retire during this year.

The resolution honouring former General Manager and Executive Director Emberson cites his "unusual leadership, service and dedication" to IEEE, and his extensive "comprehension and knowledge of the fields of electrical arts and sciences". It states that the Board "requires the continuing advice and counsel of Dr. Emberson" and therefore has elected him Director Emeritus of IEEE. This new position will give him a non-voting seat for life on IEEE's Board of Directors.

The resolution honouring Corporate Services Staff Director Sirjane recognises her 31 years of "leadership, wisdom, dedication and support" of IEEE. The Board conferred on her the unique title of Life Fellow Emeritus, and presented her with a book of approximately two hundred messages from Sections and Societies around the world. In addition, the Philadelphia Section, which makes annual awards for outstanding service to its members, has made a special award to Miss Sirjane, citing her "wise counsel and guidance to the Philadelphia Section through inspiring support of IEEE Region and Section activities for many years". This award was presented to Miss Sirjane at a staff reception held on March 15 at Headquarters.

Travelling Instructor Programme

A "Travelling Instructor Programme has been initiated by IEEE. Geared to bringing affordable courses to members of non-US IEEE Sections, the programme seeks out US members who are travelling outside the country on business or for pleasure, and attempt to match the expertise

of such travellers with the needs of IEEE Section members in the vicinity of the travellers' destinations. Any lateral transportation costs (from prearranged destination point to locale of participating Section) are picked up by IEEE, and each instructor is paid a \$300.00 honorarium.

The programme is sponsored by the Educational Activities Board with Technical Activities Board support.

The instructor need not be a faculty member nor have a prepared course. In some cases, IEEE will provide TAB-approved courses in the area of a traveller's expertise; in others, the traveller may submit a course for TAB approval.

For further information on this programme write Vincent J. Giardina, Manager of Continuing Education, 445 Hoes Lane, Piscataway, New Jersey 08854 - or call him at (201) 981-0060, extensions 174/175.

New Literature

IEEE announces a catalogue of short courses featuring over 100 short courses, oriented to industry applications, of one, two and three-day duration. In addition, a variety of Home Study programmes, to satisfy both technical and non-technical needs; plus a new dimension in Continuing Education - Video Tape courses are included. Our education programmes are open to all Institute members, their associates and colleagues.

For further information on any of our Continuing Education programmes or for a free copy of our catalogue, we invite you to contact IEEE Manager of Continuing Education, Mr. Vincent J. Giardina, 445 Hoes Lane, Piscataway, New Jersey 08854, or call him at (201) 981-0060, extensions 174/175.

MEETINGS IN REGION 8

International Conference on the Electronic Office

The conference, organised by the Institution of Electronic and Radio Engineers in association with the Institution of Electrical Engineers, the Institute of Electrical and Electronic Engineers, the Chartered Institution of Building Services, the British Computer Society and the Operational Research Society, is to be held in London from Tuesday 22 April to Friday 25 April 1980.

The conference will review the rapid developments which have taken place in recent years in office automation and discuss future trends in

this very significant area.

Contributions are invited under the following general subject headings: Organisation, planning and procedures; Information processing; Storage, communications and reproduction; Operational research and human factors; Environmental services; although these are by no means the only areas to be covered.

Further information will be available in due course from: Conference Secretariat, Institution of Electronic and Radio Engineers, 99 Gower Street, London WC1E 6AZ.

Conference on Progress in Electron-Tubes and Components of Related Technologies

Section 4 of the Nachrichtentechnische Gesellschaft (NTG) in the VDE is organising in co-operation with the German Section of IEEE a conference on the above subject in Garmisch-Partenkirchen (West Germany/Bavaria), from 21-23 May 1980.

The duration of papers should not exceed a maximum of twenty minutes. The language of the conference is German but papers in English will also be accepted. Submission of provisional versions of papers are requested to the Chairman of the Programme Committee, Dr. H. Heynisch, Siemens AG, Werk für Röhren und Sondergebiete, St. Martinstr. 76, (D) 8000 München 80, by 30 September 1979 at the latest. Accepted manuscripts should be sent, in a form ready for printing (a maximum of ten DIN A4 pages, including diagrams, etc.) by 1 March 1980. The conference-volume will be available for the conference.

Second International Conference on Developments in Power-System Protection

Organised by the Power Division of the Institution of Electrical Engineers in association with the Institute of Electrical and Electronics Engineers Inc (United Kingdom and Republic of Ireland Section) and the Institute of Mathematics and its Applications, the Conference will be held in London, 10-12 June 1980.

The aim of the conference is to discuss the design, application and performance of power-system protection in the fields of generation, transmission and distribution and with particular reference to recent developments and possible future trends.

The conference will be particularly concerned with recent developments resulting from advances in protection technology and with possible future developments including the application of digital computers and microprocessors to power-system protection.

The Organising Committee invites offers of contributions for consideration for inclusion in the programme. Those intending to offer a contribution should submit an A4 page synopsis (approximately 250 words) to the IEE Conference Department by 3 September 1979.

The authors whose synopses are selected for development into full contributions for further consideration will be asked to provide a type-script of not more than 4,000 words of text, or correspondingly less if illustrations are included, for assessment, by 21 January 1980.

Deadline for receipt of 250-word synopses is 3 September 1979.

The conference will be held at the Institution of Electrical Engineers, Savoy Place, London WC2, England, and further information may be obtained from the Conference Department at that address.

Conference on Precision Electromagnetic Measurements

CPEM '80, the recognised international forum for the exchange of electromagnetic measurement views, will be held at Stadthalle Braunschweig, Federal Republic of Germany, 23-27 June 1980.

The conference language will be English. Papers are requested for CPEM '80 which describe original work not published or previously presented, covering the design, performance, or application of electromagnetic measurements, techniques, instruments, or systems. All papers concerned with EM measurements will be considered and papers in the following fields are regarded as particularly appropriate for this conference: Direct current and low frequency; Special standards; Time domain measurements; Time and frequency; Antennas and fields; Microwaves; Automated measurements; Computer-oriented procedures; Application of microprocessors; Components and system metrology; Fibreoptics; Lasers; Cryoelectronics; Technical calibration services.

Authors are requested to submit (in English) by 1 January 1980 both a 35-50 word abstract and a 500-1,000 word summary to Dr. H. Capptuller, Technical Programme Chairman, CPEM '80, Physikalisch-Technische Bundesanstalt, Bundesallee 100, 3300 Braunschweig, Federal Republic of Germany.

Sponsors: US National Bureau of Standards; IEEE Group on Instrumentation and Measurement; URSI Union Radio-Scientifique Internationale; US National Committee of URSI; Federal Republic of Germany National Committee of URSI; City of Braunschweig; Helmholtz-Fonds eV; Physikalisch-Technische Bundesanstalt.

The special prize "Helmholtz-Preis '80", of value DM 5000 will in that year be an international award for the best paper on "Precision electromagnetic metrology" submitted to CPEM '80. Authors who intend to

BENELUX SECTION

During the first half-year of 1979 the Benelux Section held three technical meetings with the following subjects: AM broadcast technology (January); Mobile communications (March); and Source and channel coding (May). Attendance at the meetings was, as usual, around 100 persons.

For the second half of the year the programme shows meetings on Electronics in the automobile; Satellite communications; and Instrument display technology.

The Section is organising a four-day Summer School on Digital Signal Processing which will be held from 21-24 August at the Eindhoven

IEEE REGION 8

AND THE

MIDDLE AND SOUTH ITALY SECTION

ANNOUNCE THE CO-SPONSORSHIP OF THE

27TH INTERNATIONAL CONGRESS ON ELECTRONICS

TO BE HELD IN

**ROME, PALAZZO DEI CONGRESSI,
10-11-12 MARCH 1980,**

DURING THE EXHIBITION OF ELECTRONICS, NUCLEAR AND AEROSPACE TECHNOLOGY.

Theme: Electronic systems for remote sensing and ranging. The topics to be discussed are as follows: Sensors (radar, laser, infrared, etc.); Signal processing (codification, modulation, compression); Data transmission; Data processing and display; Related systems.

Round Table: Medical applications of sensors.

Seminar: Interface problems between satellite-mounted systems and ground telecommunications systems.

Written contributions will be considered. Accepted papers will be published in the Proceedings of the Congress. Those who intend to submit a written contribution must notify the Secretariat (Via Crescenzio 9, 00193 Rome) before 15 November 1979 indicating the title and enclosing a short summary.

Registration fee is 50,000 Italian lire.

**For additional information please write to the Secretariat:
Riena, Via Crescenzio N.9, 00193 Rome, Italy. Tel:
06/6569343, Telex: 611407.**

participate in this scientific competition are requested to submit abstract, summary **and** full text to the Technical Programme Chairman not later than 1 January 1980.

International Conference on Power System Monitoring and Control

The conference will be held in London, 24-26 June 1980, organised by the Power Division of the Institution of Electrical Engineers in association with the Institute of Electrical and Electronics Engineers Inc. (United Kingdom and Republic of Ireland Section).

The aim of the conference is to provide a forum for discussion on the developments in monitoring and control of power networks since the 1976 IEE Conference on "On-line operation and optimisation of transmission and distribution systems". This topic is fast moving because of the continuing development and application of microprocessors and minicomputers at outstation, area and national control level. It is intended to include both software and hardware aspects of the implementation of monitoring and control systems as applied to power system operation and management. General philosophies of hardware and software design for control will not be included.

Emphasis in all contributions should be on the advances in concepts of hardware of software implementation and contributions will be selected on their ability to show significant progress since the 1976 "On-line operation and optimisation of transmission and distribution systems" conference held at Savoy Place, London.

Deadline for receipt of 300-350 word synopses is 3 September 1979.

The conference will be held at the Institution of Electrical Engineers, Savoy Place, London WC2. Further information from the Conference Department there.

NEWS OF THE SECTIONS

University of Technology. The number of early registrations show that there is a sound interest in this subject.

The Joint Chapter on Antennas and Propagation/Microwave Theory and Techniques received recognition as the most outstanding Chapter during 1978. If continued its programme of activities with two meetings.

The Student Branch at Liège has been the fastest growing branch of Region 8 and was awarded a prize for this feat.

The Section is co-sponsoring the Optical Communication Conference which will be held in Amsterdam, 17-19 September 1979.

DENMARK SECTION

The activities have been centred around lectures arranged by the Section at the Technical University of Denmark at Lyngby (near Copenhagen). The average attendance was about 20 Section members plus 20 guests. The following lectures were presented.

25 January. Mr. Leif Rystrom, Christian Rovsing Ltd., "On Systems for Automated Plotting of Weather-Maps".

17 February. Prof. Adolfo Guzman, National University of Mexico, "Computer Analysis of Landsat-Images of Mexico".

3 April. Prof. Lars Lofgren, University of Lund, "Simple Learning Automata".

26 October. (i) Mr. Scott Hill, University of Copenhagen, "Some Selected Experiments in Paranormal Biocommunication and Psychokinesis"; (ii) Dr. R. D. Mattuck, University of Copenhagen, "Quantum Mechanics, Consciousness and Psychokinesis"; (iii) Dr. Peter W. Becker, DTH, "On the Telepathy Experiments, Remote Viewing, Performed at SRI".

29 November. (i) Dr. M. J. B. Duff, University College of London, "The CLIP4 Image Processing System"; (ii) Dr. D. Rutovitz, Western General Hospital, Edinburgh, "Mutli-Processor-Pipeline versus the True Parallel Processor in Image Processing".

During the year the Section has established three committees. A Membership Development Committee having Mr. Frank V. Jorgensen as chairman; an Education Committee having Mr. Carsten Hede as chairman, and a Student Activities Committee having Mr. Mads Sogaard-Knudsen as chairman.

Over the year the membership increased from 218 to 244, or about 12%.

FINLAND SECTION

The majority of diploma engineers who have graduated from the Electrical Engineers Department of Helsinki University of Technology are members of some of the electrical engineering societies working on a national level of which there are ten. As a result, most of the Section activities (meetings, lectures, etc.) are held jointly with other national electrical engineering groups and societies.

The following officers were elected 1979-01-29 to the 1979 Executive Committee: Johan E. Tallqvist (Chairman), Jarl Jaatinen (Vice-Chairman), A. B. Sharma (Secretary) and Iiro O. Hartimo (Treasurer). The Executive Committee has so far been responsible for jointly organising a one-day colloquium on "Electrical Engineering in Finland" (23 March 1979) and a lecture by Prof. K. Yamada on "Electronics Industry in Japan" (26 April 1979).

GREECE SECTION

Since the last IEEE Regional Committee Meeting in the Greece Section, an active lecture series programme was organised; eight internationally known speakers presented timely lectures on different subjects covering a wide spectrum in electrical and electronic engineering. Participation in these lectures was high and the interest of the audiences very keen. From 12 March to 11 April the first workshop of the Greece Section was organised in collaboration with the Greek Public Power Corporation. The theme of this workshop was "Contemporary Developments in Power Systems". The workshop was very successful and it is hoped that it contributed to the continuing education effort of the IEEE Greece Section.

The membership of the Section has increased roughly 25% since the same time last year. On 12 December 1978 a panel discussion was held at the National Technical University of Athens on professional orientation for the electrical engineering students. Panelists from industry, the utilities, the Government and the universities participated.

This panel discussion was organised by the student branch at the National Technical University of Athens. From 9-13 July the IEEE Greece Section sponsored the Second International Conference on Information Sciences and Systems in Patras, Greece.

We report here the names of the Chairman: Prof. E. N. Protonotarios, the Vice-Chairman: Prof. C. Halkias, and the Secretary/Treasurer: Mr. P. Georgiou.

IRAN SECTION

Nominations Committee's Report. Professors Farzad Beglari, Abdol-Hossein Rahimi and Abbas Tchamran were appointed by the Section Chairman as members of the Nominations Committee for the election of the Section's Executive Committee Members. In its report the Nominations Committee recommends the following course of action: "In view of the inactivity of the Section in the past year due to circumstances beyond the control of the present Section officers, we recommend that the present officers retain office for another year."

Section's Plans for 1979-80. According to the Nominations Committee's recommendation (see the preceding item), the following persons will serve as Section officers for 1979-80:

Chairman: Prof. Behrooz Parhami, Tehran University of Technology, PO Box 3406, Tehran. Tel: 918269. Messages: 972009 and 918538.

Secretary: Dr. Abdol Hamid Radjy, Engineering Research Group, National Iranian Radio and TV, Jame Jam Avenue, Tehran. Tel: 295193 and 295056.

SIGNAL PROCESSING

A European journal devoted to the methods and applications of Signal Processing

Editor-in-Chief:

MURAT KUNT

Laboratoire de traitement de signaux, Ecole polytechnique fédérale de Lausanne, 16, Ch. de Bellerive, CH-1007 Lausanne, Switzerland

Aims and Scope:

Signal Processing will incorporate all aspects of the field's theory and practice - both analogue and digital. Featuring original research, tutorial and review articles as well as accounts of practical developments, the journal will act as a vehicle for the rapid dissemination of knowledge and experience to engineers and scientists active in the field.

Contents Vol. I, no. 1.

H. Amiri, V. Märgner and P. Zamperoni: A method for analysing and synthesizing linedrawings. K. Brodda, U. Wellner, and W. Mutschler: A new method for detection of P waves in electrocardiograms. F. Castanie: Signal processing by random reference quantizing. U. Ullrich: Roundoff noise and dynamic range of wave digital filters. J.-G. Gander: A pattern recognition approach to tone detection. C. K. Yuen: On the smoothed periodogram method of spectrum estimation.

Subscription Information:

Signal Processing is published in volumes of 4 issues (totalling approximately 400 pages).

1979: Volume 1

The first issue appeared in February 1979. Subscription price for 1979: US \$73.25/Dfl. 150.00 per volume including postage and handling.

YES

To: North-Holland Publishing Co.
P.O. Box 211, 1000 AE Amsterdam,
The Netherlands

- Note my order for a subscription to SIGNAL PROCESSING, Vol. 1 1979; Price US \$73.25/Dfl. 150.00 (post-paid)
- Send me a **free** complimentary copy first

Name:

Address:

IEEE

0669NH

Treasurer: Dr. Abbas Jabbari, Technolog, Inc., Engineering and Industrial Consultants, PO Box 11-1719, Tehran. Tel: 293098.

Prof. Mehdi Nouri, who was the Section's Vice-Chairman, will not be able to serve for the coming year.

The Section has recently experienced a very sharp drop in the number of members. This is due in part to departing foreign nationals, who formed some 30% of the members, and in part to difficulties in remitting member dues as a result of foreign exchange restrictions.

Hoping to recover from this setback during the summer months, Section activities will restart later this year with the publication of the next issue of the Newsletter (Vol. 5, No. 3) containing announcements of our plans. Meanwhile, the Section has co-sponsored two microprocessor short courses in late July.

ISRAEL SECTION

The Israel Section will co-sponsor, with AEAI and the Ministry of Telecommunications, a "Telecommunications Day" at the Fifth World Congress of Engineers and Architects in Israel to be held in Tel Aviv from 16-20 December 1979. The theme will be: "Dialogue in Development - Towards the 21st Century".

MIDDLE AND SOUTH ITALY SECTION

From February 1978 to February 1979 the membership of the Section increased by 19%.

Since the last news (Region 8 Newsletter No. 45, February 1979) the following technical meetings took place:

On 7 February 1979, Prof. F. Valdoni, Director of the Research Project on "Navigational aids and air traffic control" of the National Research Council, gave a lecture on "Problems and evolution of the air traffic control system" at the University of Rome; the same lecture was given on 1 March 1979 at the University of Palermo.

On 13 March 1979 Prof. P. L. Bargellini, Senior Scientist at COMSAT, gave a lecture on "Progress of Commercial Satellite Communications".

On 20 and 27 April 1979 the Student Committee organised a technical lecture by M. Di Pietro, L. Talamonti and G. Staffaroni on "Design and manufacturing criteria of MOS integrated systems".

On 7 June 1979 Dr. E. Ferrari, Director of ENEL's Research Centre on Automatic Control, gave a lecture on "Non-stable electric networks: new tools for investigation and practical results in the application of stabilising devices".

POLAND SECTION



Prof. A. K. Smoliński
Chairman, Poland Section

The Poland Section of IEEE co-operated in organising the Second National Symposium on Optical Fibres and their Applications. It was successfully held in Japlonna near Warsaw on 13-15 February 1979, with an attendance of over 150 participants. Over sixty papers were presented (14 papers by specialists from Western countries). The Symposium was co-sponsored by: Polish Academy of Sciences; Warsaw Technical University; Association of Polish Electrical Engineers (SEP); Technical Military Academy.

Prof. A. K. Smoliński, Poland Section Chairman and IEEE Fellow, was a Chairman of the Scientific Committee. Among its members was Prof. Bohdan

Paszowski, IEEE Senior Member. Dr. Bohdan Mroziewicz, IEEE Senior

Member and a member of the Section's Executive Committee, was a Scientific Secretary of the Symposium.

The Editor has found an innovation reported by the Poland Section; in March, Prof. Erik Lindbergh from the University of Denmark at Lyngby gave a four-part lecture on Computer-Aided Design of Electronic Circuits. These parts were delivered on four successive days and had the titles: Equation formulation; Equation solution; System modelling; and System Simulation.

At the Annual General Meeting held on 1 June 1979 elections for the period of two years beginning 1 July 1979 had the following results:

Chairman: Prof. dr. ing. A. J. Sowiński, Industrial Institute of Electronics and Technical University, Warsaw; Vice-Chairman: Prof. dr. ing. W. Seruga, Electrotechnical Institute, Warsaw; Secretary/Treasurer: Doc. dr. ing. Z Czyż, Industrial Institute of Telecommunications, Warsaw.

SWITZERLAND SECTION

The main event since November 1978 was the election by ballot of a new Section Executive Committee for the two-year term 1979-80. The elected officers are: M. P. Forrer, Chairman; G. S. Moschytz, Vice-Chairman; H. Mey, Junior Past Chairman; P. Kartaschoff, Secretary/Treasurer; F. Eggimann, M. Jufer, G. de Montmollin, H. F. Wyss, Members-at-Large. The new Section Executive Committee took office at the annual meeting in Neuchâtel on 2 February 1979. During the Winter Semester 1978/79 the Section sponsored or co-sponsored over fifty technical meetings at the Swiss Federal Institutes of Technology in Zurich and Lausanne and at the University of Berne. Zurich and Lausanne have active and growing student branches (Zurich 71, Lausanne 46, on 31 December 1978).

At the annual meeting the five winners of the annual Swiss student paper contest sponsored jointly by the ASE (Association Suisse des Electriciens), the IEEE Switzerland Section and the IEEE Switzerland Chapter on Digital Communication Systems, received their prizes and were presented and congratulated. After the meeting the attending members were invited to a visit of the Microtechnics Institute of the University of Neuchâtel under the guidance of Professors F. Pellandini and R. Daendliker, showing work on special microprocessor design and on microvibration analysis using laser interferometry. According to the data received from IEEE Headquarters, the membership of this Section has grown from about 740 on 31 December 1978 to 796 on 31 March 1979.

UNITED KINGDOM AND REPUBLIC OF IRELAND SECTION

The latest meeting of the Professional Communication Chapter was on 13 March when a joint meeting was held with the Institute of Scientific and Technical Communications. Mr. Hugh Marlow, who is a management and organisation development consultant, gave a lecture on "Computer Systems, their Use and Abuse, or Great Expectations Unfulfilled". The main theme of Mr. Marlow's lecture was what computer users, other than scientists and engineers, have not been strong enough to determine the way in which computers should be used, and that professionally privileged groups have evolved to dominate the less well organised groups to the disadvantage of the end user. However, he argued that the situation can be reversed by a few simple guidelines without creating new professional élites.

At the next meeting of the Professional Communication Chapter, to be held at Imperial College, London, on Thursday 8 November at 18.00, the speaker will be Dr. G. B. Townsend of the IBA, whose subject is "Can Broadcasting Communicate?".

ADVERTISING AND INSERT RATES

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

ADVERTISING RATES

Display - \$800 per full page, \$450 per half page, \$260 per quarter page. These rates are for 'camera ready' copy - a charge will be made for any setting required.

INSERT RATES

For full Regional distribution to between 8,000 and 9,000 members in Europe, Middle East and North Africa, size A5 or folded to A5 (148mm x 210mm), weight 10gms \$750, 20gms \$850, 30gms \$900, 40gms \$950. Lower rates for distribution to one country only or to a group of countries. Additional charge if collation or folding required. Recommended method of delivery to County Secretarial Services is by direct air mail parcel post (check local postal regulations for maximum weight per parcel) or by air freight addressed to County Secretarial Services, c/o United Marine (1939) Ltd, Building 521, Room 23/1, London Heathrow Airport. Before shipment of inserts check that the deadline date will be met including allowance for customs clearance and delivery to Guildford.

These rates are net and include no allowance for discount.