MESSAGE FROM THE NEW REGIONAL DIRECTOR

I am grateful to Professor Stumpers for his invitation to me to attend the Region 8 Meeting in Athens in October 1976, which was organised in an excellent manner by Professor John A Tegopoulos and his staff. On 24 November Miss Emily Sirjane called from the Headquarters in New York and informed me that President Elect Robert M. Saunders wanted me to attend a Regional Activities Board Meeting and a Board of Directors Meeting at Orlando, Florida on 2-5 December. During these meetings it was encouraging to hear from important IEEE people both during the meetings and also privately that they wanted IEEE to remain transnational. My happiness about that was, however, attenuated many decibels when the regional rebates of Region 7 (Canada) and Region 8 were cut quite a bit in spite of the fact that both the Region 7 Director and Professor Stumpers tried hard to prevent it. The rebates of Regions 1-6 inside the United States and Regions 9 and 10 outside were not cut. During his time as Region 8 Director Professor Stumpers has devoted a lot of time to regional activities. He has done a good job and has regularly reported to members through the Newsletter. I shall try to follow his example during the next two years. The highlights during 1977 will be the IEEE-EUREL conference EUROCON at Venice on 3-6 May. Let us all spread information about this important conference as widely as possible. See you at EUROCON-77!

E. FOLKE BOLINDER,
Region 8 Director 1977-78.

REPORT OF THE OUT-GOING REGIONAL DIRECTOR

The last quarter of 1976 was quite a busy one. On 20 September I was invited to the opening meeting of the International Broadcasting Convention in London, where Admiral of the Fleet, Lord Mountbatten of Burma gave the inaugural address. Though 76, the Admiral, tall and straight, showed in his lecture that he was still aware of the latest developments in electronics. He is still President of the UK Research Council. More than 30 years ago he was Commander in Chief South East Asia during World War II, and later Viceroy of India. The invitation showed the good relations between IEE and IEEE, which had made it possible to start a student section in UK. (89 members).

On 21 September I had a meeting of the Regional Activities Board in New York, on 22 September a meeting of the Intersociety Relations Committee, on 23 and 24 September a meeting of the Board of Directors and on 25 September a meeting of the Long Range Planning Committee. During the same week I should have been in Wroclaw at the Electromagnetic Compatibility Symposium, where I was Chairman of the Program Committee. There were about 200 participants at this meeting, and about 125 papers were printed in the Symposium book. The coincidence was unfortunate and I tried immediately after the first announcement of the September meeting in December 1975 to get the date changed. The Board of Directors decided it wanted the last meeting in 1976 after the result of the election was known, but President Dillard wanted to have an early approval of the budget, and the September meeting had to take place, unfortunately at the days fixed originally. The following Wroclaw EMC symposium is expected to occur simultaneously with a CISPR meeting, which should encourage more international participation (1978).

On 12 October (Columbus day) the Director received the Medaglia d'Oro of the City of Genova, Italy. The scroll especially mentioned his international activities. It was quite a festive occasion and the mayor of Genova gave a long speech on the meaning of Columbus day. On the same occasion the Columbus Award was given to Mr. Miller (3 M) a medal for sports to a girl from Cuba (represented by its Consul) and the Paganini medal to a young lady from Roumania, who expressed her thanks by playing on the Paganini violin of the city. My attempt to reply in Italian was appreciated. However, when I gave a lecture at the International Institute of Telecommunications on the next day: "On the optimality of the simplex set," I preferred English (there was simultaneous translation).

On 29 and 30 October the Regional Committee met in Athens, Greece. Through Professor Tegopoulos efforts our meeting had been classified as a special event, for which the IT air tariff was valid. The Power Company of Greece provided its Directors' meeting room, the lunch and an excellent dinner at the end of the first day. The Hellenic Telecommunications Association provided a very good lunch on the Acropolis that afternoon. On Sunday we enjoyed a trip to Delphi, offered with the lunch, by the Greek tourist organisation. The meeting was honoured by the presence of Vice-President Regional Activities, Professor Saunders, Junior Past Director Russell, Student Activities Chairman Remy, Membership Development and Eurocon representative Rannestad, Awards Board member Wellinger, Secretary-Treasurer de Vrijer, and Editorial Board representative Prof. Williams were present, as well as Shavit (Israel), Kleen (F.R. Germany), Wedam (Yugoslavia), Asenjo (Spain), Gardiol (Switzerland), Smolinski

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ATLAS Test Language Approved as IEEE Standard

ATLAS (Abbreviated Test Language for All Systems) is a standardized language for expressing test specifications and procedures. It provides a standard abbreviated English language used in the preparation and documentation of test procedures which can be implemented either manually or with automatic or semi-automatic equipment. ATLAS is expected to complement the growing stable of IEEE instrumentation system standards.

Under development for nearly a decade under the auspices of Aeronautical Radio, Inc., ATLAS has gained widespread acceptance throughout the avionics industry. Although originally created for use in military applications, it has been adopted by a wide range of industries including automotive, aerospace, and manufacturing. Its flexibility and ease of use make it a valuable tool for test engineers worldwide.
MEETINGS IN REGION 8

Electromagnetic Compatibility

The second symposium and technical exhibition on electromagnetic compatibility will be held in Montreux from 28 to 30 June 1977. It is co-sponsored by some ten national and international organizations. Symposium organizers are Professor Dr. F. E. Borgnis, Zurich (Symposium Chairman), W. E. Boehm, Montreux (Director, local arrangements), T. Dvorak, Zurich (Secretary General), Professor Dr. F. L. Stumpers, Eindhoven (Scientific Programme Chairman). Topics: Social and economical impact of EMC; Electromagnetic pollution, control and enforcement; Spectrum economy and management; National and international co-operation in EMC; Immunity of receptors and electronic systems, analogue and digital; Electromagnetic compatibility of electric power, automation and communications; EMC hazards to ordnance and vital safety systems; Compatibility of medical electronics; Biological effects of RF energy; Interference propagation, source-to-receptor coupling; Nuclear Electromagnetic Pulse (NEMP) impact; Regulations, limits, standards and specifications; Measuring methods and instrumentation, production testing; Computers in EMC prediction and analysis; Design of compatible equipment, suppression methods and devices; New techniques—biological transducers, fibre optics, sequency functions. Further information concerning this conference may be obtained from: Mr. T. Dvorak, Hochfrequenztechnik, 8092 ETH Zurich, Switzerland.

1977 International Conference on Crime Countermeasure Science and Engineering

Science and Technology applied to law enforcement, security, and crime prevention is the subject of this conference, to be held at Oxford University, Oxford, England, 28-29 July 1977, and which is jointly sponsored by the Office of Engineering Continuing Education, University of Kentucky; the Institute of Electrical and Electronics Engineers and Oxford University, Oxford, England. Related papers were solicited which describe recent developments in the following fields:

- Police systems; Command, control and communication systems; Alarm devices and systems; Computer systems security; Automatic vehicle monitoring; Automatic identification and authentication of voice, handwriting, fingerprints, and other signatures; Entry control systems; Searching aids—x-ray, sonic, magnetic, microwave; Electromagnetic spectrum conservation; Communication privacy and security including advanced modulation techniques; Pollution detection; Related areas of basic science and novel applications.

This conference will provide a forum for the dissemination of information and exchange of ideas in this specialized area of science and engineering. Conference Proceeding will be published and distributed to each attendee and to selected libraries throughout the world. Further information concerning this conference may be obtained from the International Conference Chairman, George C. Byrne, or the co-editor of the Proceedings, Dennis Shaw. George C. Byrne, Stanford Research Institute, Menlo Park, California 94025, USA. Dr. Dennis Shaw, CBE, Keeper of Scientific Books, Radcliffe Science Library, Parks Road, Oxford OX1 3QG, England.

7th International Congress on Instrumentation in Aerospace Simulation Facilities

This Congress, to be held at the Royal Military College of Science, Shrivenham, Wiltshire, England, 6, 7 and 8 September, is the Seventh by AEEC (Airlines Electronic Engineering Committee), during recent years ATLAS has been introduced in numerous military applications and was recently designated as an international standard for automatic test equipment by the US Department of Defense. AEEC approved a newly reformatted edition of ARINC ATLAS at meetings held in Munich on 1 and 2 September 1976. Authorization was given at that time for adoption of ATLAS as a standard by the IEEE. Transfer of ATLAS to IEEE jurisdiction has now been arranged, which will enable the IEEE to publish the document as IEEE Std 416-1976 and provide a continued service in the future as a language. The transition to IEEE promises a wider adoption of ATLAS. IEEE Std 416-1976 will be balloted for approval as an American National Standard in the near future. Internationally, ATLAS has enjoyed widespread acceptance within the aeronautics industry and it is anticipated that formal endorsement by IEC or ISO will augment the document's international acceptance in a broader range of disciplines. As part of the close co-operative effort among ARINC, AEEC and IEEE to publish this urgently needed ATLAS format, the IEEE has expedited publication procedures to make the new document available from IEEE, Standards Office, 345 East 47th Street, New York, NY 10017.

NTG-Antenna Conference

After an interval of five years an antenna conference will be held at Bad Nauheim from 8 to 11 March 1977. It is organized by Technical Committe 13 of the Nachrichtentechnische Gesellschaft, a sub-group within the VDE in cooperation with the German Section of the IEEE. The entire antenna field will be covered. In particular, papers on actually implemented antennas and on theoretical and experimental antenna research and development work will be presented. The conference primarily addresses antenna experts, but also the users of antennas and system engineers in the area of broadcasting and television, microwave and satellite links, radio astronomy and telemetry as well as radar and navigation.
in a series sponsored by the IEEE for exchange of information about instrumentation developments for all types of aerospace simulation facilities. The 7th Congress will emphasize, but not be limited to, descriptions of recent advances in: Instrumentation of modern aerothermal and aerodynamic facilities; Flow visualization techniques and opto-electronic applications; Digital measurements and novel data processing technology; Ballistics measurements in laboratories and ranges.

For further information write: General Chairman, 7th CIASFS, P. W. W. Fuller, R31 RARDE Fort Halstead, Sevenoaks, Kent, England.

International Conference on Thin-and-Thick-Film Technology

This Conference is organized by the NTG Committee for "Passive Components and their Material" in co-operation with IEEE in Augsburg, Germany, 28-30 September 1977.

The purpose of the conference is: the presentation of progress in thin- and thick-film technology and discussion of approaches specific to one or common to both technologies.

The conference will review present practice in the planning, design construction and application of EHV substations for ac systems at voltages of 100kV and above, and will identify problems and propose solutions. Future trends in requirements and design of substations and components will be examined. Substation requirements for future UHV networks will be considered. For further information write to the IEE Conference Department, Savoy Place, London WC2.

International Conference on New Developments in Automatic Testing

Organized by the Control and Automation and Electronics Divisions of the Institution of Electrical Engineers in association with the Institute of Electrical and Electronics Engineers (United Kingdom and Republic of Ireland Section), the Institution of Engineers Australia and the South African Institute of Electrical Engineers.

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International Conference on Metering, Apparatus and Tariffs for Electricity Supply

Organized by the Power Division of the Institution of Electrical Engineers in association with the Organization Internationale de Metrologie Légale and the Institute of Electrical and Electronics Engineers (United Kingdom and Republic of Ireland Section). To be held in London 15-18 November 1977.

The aim of this conference is to review progress both in the UK and abroad and to act as a forum to enable all aspects of electricity supply tariffs, meter engineering, related accountancy and statutory obligations, including international legal metrology, and IEC and EEC problems to be discussed.

The Conference will be held at the Institution of Electrical Engineers, Savoy Place, London, WC2, to which address requests for further information may be sent.

Design and Application of EHV Substations

The conference in London 22-24 November 1977 is being organized by the Power Division of the Institution of Electrical Engineers in association with the Institute of Electrical and Electronics Engineers (United Kingdom and Republic of Ireland Section), the Institution of Engineers Australia and the South African Institute of Electrical Engineers.

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Computer Networks
The International Journal of Distributed Informatique

Aims and Scope
COMPUTER NETWORKS is a journal devoted to the publication of material on the broad range of subjects that relate to all forms of distributed computation and information systems. Emphasis is given to articles reporting on studies and experience addressing practical aspects of networking.

The journal provides a forum for the presentation and discussion of the many social, legal, economic, management, and technical issues involved.

1977; one volume in 6 issues
Library subscription: US $47.75 Dfl. 112.00
Personal subscription: US $25.00 Dfl. 60.00

Euromicro Newsletter
The International Journal of Microprocessing and Microprogramming

In addition to reports on recent research and technological progress, the Newsletter contains comprehensive surveys, state-of-the-art reports, short communications and announcements pertinent to the micro field. The scope includes theory, design, research, languages, simulation, emulation, teaching aids and evaluation/diagnostic methods relating to microprogramming, microprocessing, microprocessor systems and networks, distributed computing, MSI/LSI components, computer structures, modular systems, integrated hard/software design and micro-architecture of computer systems.

1977; one volume in 4 issues; Price: US $38.50 Dfl. 100.00

Computer Methods in Applied Mechanics and Engineering

This journal publishes papers concerned with applications of digital or hybrid computers to problems of applied mechanics and engineering. Papers are of advanced character, containing substantial contributions to these fields and detailing methods as well as results. Refinements of established techniques are published in the form of notes. Papers dealing with techniques of wide applicability, beyond the boundaries of the field in which they were established, are especially emphasized.

1977; 3 volumes in 9 issues; Price: US $218.00 Dfl. 567.00

Mathematics and Computers in Simulation

This journal includes papers on mathematical tools in numerical analysis and in systems modelling, and specific applications of simulation in science and engineering. It also includes considerations about computer hardware (digital, analog and hybrid), special software and compilers.

1977; one volume in 4 issues; Price: US $43.85 Dfl. 114.00

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The Compatibility Symposium in Wroclaw, 22-24 September 1976. The Poland Section of the IEEE co-organized in organizing the International Symposium on Electromagnetic Compatibility. It was successfully held in Wroclaw on 22-24 September 1976 with an attendance of 200 specialists (therein about 50 people from Western countries). The Symposium was organized with a co-sponsorship of URSI, IRE-Region 8, CISPR and nine national societies of Electrical/Electronic Engineers. A large total of 97 papers from 13 countries were presented and discussed, covering various aspects of EMC. The results were summarized at a joint meeting of the Symposium Council and the Scientific Programme Committee.

Technical Meetings

- "Research Trends" by Professor M. S. Ghausi, IEEE Fellow, Wayne State University, USA.

May 26 1976, in Warsaw.
- "New Materials to Surface Acoustic Wave Applications" by Dr. J. F. Vettelino, Associate Professor, University of Maine, USA.

June 4 1976, in Warsaw.

Sept. 27 1976, in Warsaw.
- "Conversion of the Canadian Telecommunication System to Digital from Analogue" by Dr. D. M. Hinton, IEEE Fellow, Bell Canada.

- "Energy Crisis in the Opinion of the IEEE Power Engineering Society" by Dr. S. Grybowski, IEEE SM, Poznań Technical University, Poland.

Visits to Poland.
Dr. Douglas M. Hinton, Past Director of the IEEE Region 7 (Canada), visited Poland in September 1976. He participated in the Warsaw Compatibility Symposium, and in Warsaw he gave a lecture to the Poland Section and SEP members on the "Conversion of the Canadian Telecommunication System to Digital." He also discussed with SEP the affairs connected with organizing the Poland's Days in Canada, including the first Polish Electrical Power Symposium planned for Autumn 1977.

Polish Visits to America.
The Polish delegation consisting of Professor Andrzej Smolinski, Section Chairman, and Professor Andrzej Sowinski, member of the Section's Executive Committee, participated in the IEEE International Convention ELECTRO '76 in Boston, Mass., 11-14 May 1976. During this visit Professor Smolinski had the opportunity to discuss Poland Section's affairs with Mr. Robert Asdal, IEEE Field Services Manager.

After the Convention, Professor Smolinski visited Canada, where he conducted preliminary talks with Dr. D. M. Hinton in Belleville, and Professor W. Janischewsky in Toronto, on the organization of Poland's Days in Canada.

Membership.
31 August 1976—50. Compared with Membership—31 August 1975 (41) there is an increase of about 20%.

SPAIN SECTION

Officers.
Chairman: D. Juan Manuel Rebollo; Vice-Chairman: D. Juan Enriquez de Salamanca and D. Felipe Jimenez Aseñor; Secretary: D. Enrique Lucas; Treasurer: D. Herrmenegildo Marín.

Section Activities

Lecture on "Organization, Aims and Activities of the IEEE" (24 March 1976) given by D. Enrique Lucas, Secretary of the IEEE Spanish Section, at the "Escuela Técnica Superior de Ingenieros de Telecomunicación" in Madrid, as part of SATELEC 76 (3rd Session on Telecommunications and Electronics). Attendance: 5 members and 50 guests.

Seminar on "Semi-electronic and Electronic Telephone Switching Systems" (22-29 April and 6-13-20 May 1976). Five lectures were given by D. Julio Linares and D. Ildorod Padilla, Engineers from the Research and Studies Centre of the Spanish National Telephone Company, at the "Escuela Técnica Superior de Ingenieros de Telecomunicación" in Barcelona. The Seminar was jointly sponsored by the IEEE Spanish Section, the "Escuela Técnica Superior de Ingenieros de Telecomunicación" in Barcelona and the Spanish National Telephone Company. Attendance: 30 members and guests (average).

Lecture on "Integration of Techniques and Services in a Digital Tele-
London Meeting

tee nomination has been made for vice-chairman or secretary, and nominated to serve if elected.

Circuits and Systems Chapter. All members of the CAS Society residing in the UK and possibly also in other IEEE Sections?

Are you prepared to organize a short course which could be given at different localities in the UK, and possibly also in other IEEE Sections?

If so, please get in touch with the Assistant Secretary, Dr. A. C. Davies, to discuss the possibility of organizing such a course. The IEEE will co-operate for the time being in MIMI '77.

The programme includes presentations from Prof. Sir Hugh Robson, Vice-Chancellor, University of Edinburgh; Prof. A. Thompson, Department of Economics, Heriot-Watt University; Dr. A. A. Reid, Deputy Director, Systems Strategy Department, Long Range Studies Division, Post Office; Bernard Slamn, Chief Engineer, BBC Scotland; Ian Lindsay-Smith, Editor, Glasgow Herald; T. M. Howie, Principle, Paisley College of Technology; John Hutton, Development Officer, N. E. Scotland Development Authority; David Percy, Member of Council, CBI, Scotland; Christopher Lucas, Managing Director, Radio Forth.

Opening address 10.00 (coffee at 9.30) and close at 17.30. Fees: Member of co-sponsoring body £4.00; non-member £5.00; retired members and students £2.00. Copy of Colloquium papers (to be published after Colloquium) £2.00. Further details and registration forms may be obtained from: R. McMurtie, Hon. Sec. SEM Section, IEE Scottish Centre, 55 Riscarton Mains Road, Currie, Midlothian, EH14 5NF.

General News

Mr. A. P. Cable has been obliged, for business reasons, to give up the position of Chairman of the Membership Committee after giving the Section excellent service for a number of years. Professor D. R. Wilson, Polytechnic of Central London, has agreed to take over.

The Section Annual General Meeting will be held in the Institution of Electrical Engineers building, Savoy Place, London, WC2, on Tuesday, 15 March 1977, at 6 p.m. (tea at 5.30 p.m.). After the meeting there will be a discussion meeting introduced by Mr. F. J. Lane on whether the principle of accepting the lowest tender gives the customer the best buy. Mr. Lane recently received the IEEE Habrich Award for his international leadership in high-voltage transmission. Light refreshments will be served when his talk is over.

Are you prepared to organize a short course which could be given in different localities in the UK, and possibly also in other IEEE Sections? If so, please get in touch with the Assistant Secretary, Dr. A. C. Davies, to discuss the possibility of organizing such a course. The IEEE will co-operate for the time being in MIMI '77.

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