The Conference will be honoured by the presence of H.R.H. Prince Claus of the Netherlands who will perform the opening ceremony.

Papers received for EUROCON 74 will ensure an interesting programme for each of the six sessions — Controlling the future: instrumentation electronics; Communications for the 1980s: The computerized society; Biomedical engineering; Education and the needs of the developing countries. Besides state-of-the-art contributions there are a number of papers which look to the future, some of them especially topical in view of recent world events.

For example the session on controlling the future in relation to electricity generation includes Feasibility of solar-electricity generation by K. Denno of Newark College of Engineering, USA, Energy stored as heat by J. Schroder of Philips, Aachen, and The electric car — a world survey by A. T. Freeman, UK.

In keeping with the Conference theme, the Engineer in Society, there are a number of papers on pollution, The investigation of injurious particles in foodstuffs by X-ray fluorescent equipment by N. Weichert, Germany, The engineer’s duty to society in protection against noise by W. Burck, Germany, and The relation between man-made noise and social activities by J.

Referendum
The referendum on the IEEE corporate structure was reaffirmed by the confidence of the members in the existing structure of the organisation in regard to both technical and professional activities. This is the conclusion drawn from the results of the referendum, according to President Harold Chestnut. The Tellers Committee reported that a total of more than 45,000 votes had been cast as valid ballots. Of this number more than 37,000—or over 83%—were cast against the proposal. Among voters belonging to any of the IEEE Groups and Societies which might have been affected had the proposed new corporation been established, the vote was over 81% against the proposal. Those with no Group or Society membership voted over 87% against it.

Honours
WERC (World Environment and Resources Council) elected Dr Harold Chestnut to serve on the Board of Directors in the post of Past-President. He had been Chairman of the Provisional Committee which laid the groundwork for creating this new organisation.

The IEEE was commended by Dr S. Chapman, Director of the New York State Assembly’s Scientific Staff. In a letter to President Chestnut he said: “I believe that the IEEE and you as its President deserve much credit for bringing the serious-
ness of the energy situation to the forefront of the (NY) Assembly's attention. In my view, the Institute has distinguished itself by being the first professional scientific society to provide direct unbiased inputs to the State legislative process". Dr B. Barrow was appointed as IEEE representative to the United Nations Economic and Social Council (ECOSOC). The IEEE was allowed to participate on the Council as a non-Government organisation accredited in technical consultative status.

Frederik Philips Award
Dr W. O. Baker, President of the Bell Telephone Laboratories Inc., now residing in the USA, presented the Frederik Philips Award at the IEEE International Electron Devices meeting in Washington DC. The presentation was made to Dr Baker for his "leadership of an industrial laboratory where pioneering research was used to create a wide spectrum of new technology throughout the telecommunications industry". The Award was established in 1971 and is one of nine Field Awards presented by the IEEE.

World Federation of Engineering Organizations
WFEO general assembly was attended by representatives of 42 nations at a September 1973 meeting in New York. IEEE's Executive Director, Donald Fink, is head of the US National Committee, which acted as host for the Conference. The WFEO disseminates technical information among its members with a special emphasis on aiding under-developed nations. A two-day Conference on environmental engineering problems followed the general assembly.

IEEE Discount Schedule for Single-Sale Items
A new schedule superseded the 1972 edition and is now effective.

REGION 8 NEWS

Election of Fellows
BENELUX
Kees Ter: For contributions to television, acoustics and electronic systems, and for leadership in research.

FRANCE
Francois F. Kirchner: For contributions to the field of very-high-voltage electric energy transmission.

Jean-Jacques Muller: For contributions to microwave tubes and to television and radio-communication systems.

WEST GERMANY
Herbert Doring: For contributions to microwave electronics and to education.

Wilhelm T. Runge: For early leadership in microwave techniques.

G. Unger: For contributions to the theory of multimode millimeter waveguides.

ISRAEL
Moshe Zakai: For contributions in the field of statistical communication theory.

UNITED KINGDOM AND REPUBLIC OF IRELAND
Colin Adamson: For contributions to engineering education and to protection of high-voltage direct-current transmission systems.

Frederick J. Miranda: For contributions to the design and development of extra-high-voltage cables.

Region 8 News in "Spectrum"
At the Region 8 Committee meeting last Spring it was announced that one page was to be made available in each issue of "Spectrum" to enable rapid publication to be given to news items from the Region. These were to be channelled through Bill Devenish, but this has proved a thankless new responsibility as no items have been submitted to him.

News for the March issue must be in New York by 4 February; for April by 11 March; for May by 8 April; and for June by 3 May. Please note these deadlines and make use of this experimental arrangement.

Changes of Address
Since your Editor has also been acting as the Secretary of the UKRI Section, he has been notified by some members of changes in their addresses. It is of course essential that this information be sent by them to Headquarters in New York so that the necessary change is made to the master computer record from which all mailing lists are generated. This should be done as soon as the change is definite and the date is fixed since many of the label print-outs for mailing Group/Society Newsletters and Transactions are run off weeks in advance. An up-dated copy of all the relevant changes read into the computer is sent every month to each Section office so that apart from exceptional circumstances no member need inform his Section direct.

Outstanding Speaker
Prof. Dr J. F. Szablya of Washington State University, USA, is now Visiting Professor at the Institut für Hochspannungstechnik, Technische Universität Braunschweig (Postfach 3329, D-33 Braunschweig, West Germany). Titles of his lectures are "Time Dependent Vector Functions in Electrical Engineering" (an approach reaching beyond tensors), "The World's Most Powerful Laboratory—A Proposal" (with 56 GVA direct capability at Grand Coulee, USA) and, together with his wife, Mrs H. M. Szablya, well-published American freelance writer, "Engineering and the Engineer: A Profile of an Engineer" (by engineers) and "The Engineer and his Family" (an experimental programme with married and unmarried students). Their languages are English, German, Hungarian, and, additionally for Mrs Szablya, French and Russian. They are available until the middle of July 1974. Abstracts are available. Contact Prof Szablya at the above address, with copies to the Director of IEEE Region 8, Mr C. Russell, 14 Warwick Road, Ealing, London, England, W5 3XJ.

MEETINGS IN REGION 8

1975 Electromagnetic Compatibility Symposium
An International Symposium and Technical Exhibition in the field of Electromagnetic Compatibility will be held from 20-22 May 1975 in Montreux on Lake Geneva, Switzerland. The date of the Symposium has been chosen just to precede the biannual (ninith in 1975) International Television Symposium in Montreux from 23-29 May, 1975. Most likely also, the Workshop Group of the Comité International Special des Perturbations Radioélectriques (CISPR) and the IEC Group on Electromagnetic Compatibility, TC77, will meet at Montreux in liaison with the planned EMC Symposium. Patron of the Symposium is Mr F. Locher, Director-General of the Swiss Federal Post and Telecommunications Authority. Co-sponsors are the Union Radio-Scientifique Internationale, the Group on Electromagnetic Compatibility of the IEEE and the Committee AE-4 of the IEC. Co-sponsorship is further expected by national societies of electrical engineers of Western Europe and some other international organisations.

1974 International Zurich Seminar on Digital Communications
Further information may be obtained from: EMC Symposium, Box 97, 1820 Montreux, Switzerland.

The Quantitative Performance Interface between Telemetry Transmission and Reception Systems
A one-week course with the above title is being held at the DFVLR Research Center, Oberpaffenhofen, West Germany, from 27-31 May, 1974. The course is sponsored by the IEEE Aerospace and Electronic Systems Society, and full details are given in the leaflet enclosed with this Newsletter.
REGION 8 COMMITTEE MEETING

A year-end message from the Regional Director

1973 has seen the number of Sections in the Laboratory increase to a total of 18—the Poland Section was formed in the Spring and the Finland Section in the Autumn. Mr. Tadeusz Dryzek, President of the Polish Engineering Society, SEP, together with Dr Stanislaw Gryzbowshi, Vice Chairman of the Poland Section, visited New York early in December to sign a co-operative agreement between SEP and IEEE. Also the arrangement with the Italian Society, AEI, has been extended for the New Year to all in Region 8. The members in faster transmission media, cables, waveguides and glass fibre light guides. Dr J. Salz, of Bell Laboratories at Holmdel NJ, described "Digital Modulation Techniques" specifically for telephone networks, reviewing several modulation demodulation schemes and discussing practical methods of selecting optimal schemes. Dr R. D. Gitlin, also of Bell Laboratories, in a lecture "A Survey of Adaptive and Automatic Equilibration Techniques", gave a review of the subject, with a theoretical discussion of a method developed by Bell Laboratories. Dr. Jacobson of the Technische Hochschule, Munich, West Germany, lectured on High-Speed Digital Communications; reviewing developments in faster transmission media, cables, waveguides and glass fibre light guides. Dr J. Salz, of Bell Laboratories at Holmdel NJ, described "Digital Modulation Techniques" specifically for telephone networks, reviewing several modulation demodulation schemes and discussing practical methods of selecting optimal schemes. Dr R. D. Gitlin, also of Bell Laboratories...
The officers and members of the Section Executive Committee for 1974 will be—

CHAIRMAN: Mr. R. H. Davies, Ferranti Ltd, Hollinwood, Lancs, O9L 7JS.

VICE-CHAIRMEN: Mr. C. C. Barnes, Mead Cottage, 24 Mead Crescent, Sutton, Surrey; Mr. R. W. Addie, Commercial Director, Electronic Components Division, Plessey Co. Ltd., Woodburcot Way, Towcester, Northants, NN12 7JN.

TREASURER: Mr. B. J. Cory, Department of Electrical Engineering, Imperial College of Science and Technology, Exhibition Road, London SW7 2BT.

SECRETARY: Mr. W. H. Devenish, Electrical Research Association, Cleeve Road, Leatherhead, Surrey, KT22 7SA.

ASSISTANT SECRETARY: Dr. A. G. Constantinides, Department of Electrical Engineering, Imperial College of Science and Technology, Exhibition Road, London SW7 2BT.

COMMITTEE MEMBERS: Dr. G. H. Byford, RAF Institute of Aviation Medicine, Farnborough, Hants.; Dr. R. C. Cuffe, Electricity Supply Board, Lower Fitzwilliam Street, Dublin 2; Prof. A. J. Ellison, Department of Electrical and Electronic Engineering, The City University, St. John Street, London EC1V 4PB; Mr. J. B. Kulpers, Preece, Cardew & Rider, Easton House, 165 Preston Road, Brighton, Sussex, BN1 6AF; Mr. F. J. Lane, 21 Sandown Way, Hastings Road, Bexhill-on-Sea, Sussex; Mr. Francis McLean, Clent Cottage, Thornford Road, Crookham Common, Newbury, Berks.; Mr. H. B. Rantzen, 1 Southbury, 144 Loudoun Road, London NW8; Dr. W. R. Sillars, GEC Power Engineering Ltd., Trafford Park, Manchester, M17 1PR; Dr. K. R. Sturley, Wood Norton, Hilbury Close, Amersham, Bucks.; Mr. D. H. Tompsett, Great Cheverney House, Marden, Tonbridge, Kent.

IEEE Computer Society International Conference

A second COMPCON for 1974 will be held from 10–13 September in Washington DC, with the theme “Minis and Micros”, the ever-growing world of mini-computers and micro-processors. The Eastern COMPCON for the Autumn of 1974 will complement the eighth IEEE Computer Society International Conference, COMPCON 74, to be held from 26–28 February in San Francisco. Complete information on COMPCON 74 in San Francisco or COMPCON 74/East in Washington DC may be obtained from the IEEE Computer Society, P.O. Box 639, Silver Spring, Maryland 20901, USA, or the War Department, 1020 Corporation Way, Palo Alto, California 94303, USA.

IEEE Power Engineering Society Summer Meeting

The 1974 Summer Meeting of the IEEE Power Engineering Society will be held from 14–19 July 1974 in Anaheim, California, USA. This meeting will include an Energy Resources Conference to accentuate the latest developments in energy resources to meet the current and anticipated energy requirements. The technical programme will also include all other subjects in the power field.

IEEE International Symposium on EMC

The Symposium will be held in San Francisco from 16–18 July 1974, with the theme “EMC Spans the Spectrum”. Complete typed versions of papers ready for the Symposium record will be due by 15 March 1974 and should be sent to: Mr. A. K. Johnson, Chairman Technical Papers Committee, 1974 IEEE International Symposium on EMC, PO Box 836, Mountain View, California 94040, USA.

IEEE G-AP International Symposium

Several related technical meetings (listed below) will be held in Atlanta on or near the Georgia Institute of Technology campus in June 1974; you may find it convenient to attend more than one.

G-AP and URSI technical programmes will be arranged separately except for appropriate co-ordination. Authors for both meetings are invited to submit summaries or abstracts of papers in their fields of interest. They should be submitted by 4 February 1974 to Dr. R. C. Johnson, Johnson Experimentation Station, Georgia Institute of Technology, Atlanta, Georgia 30332, USA. Meetings in Atlanta are 5–7 June: International Conference on Submillimeter Waves and their Applications; 10–12 June: 1974 IEEE/G-AP International Symposium; 11–13 June: USNC/URSI Meeting; 12–14 June: 1974 IEEE G-MTT International Microwave Symposium; 12–14 June: Twelfth Symposium on Electromagnetic Windows.

IEEE International Conference on Engineering in the Ocean Environment

This Fifth Conference on Engineering in the Ocean Environment will be held in Halifax, Nova Scotia, Canada, from 21–23 August 1974, and will emphasize research and development in “temperate and Arctic waters” and technology developed for high latitude environments. Major advances in other areas will be welcomed, especially those that have wide application to the oceans as a whole. Contributions should accentuate new technology developed in response to scientific and engineering needs or resulting from operational difficulties in achieving specific goals.

For information about the Conference write to Ocean ’74, PO Box 1000, Halifax, Nova Scotia, Canada.

STUDENT ACTIVITY NEWS

Annual Report

Annual Report and Financial Statement forms were mailed on 15 November to every Student Branch. Make sure they are completed and returned to Headquarters by 1 February. You must have the reports in to receive your rebate cheque.

Ham Directory

The Ham Directory of IEEE Student members, Branches, their call letters and addresses has now been published. Over 140 hams are listed in the first issue. Free copies are available to anyone sending a self-addressed 10 cm x 20 cm envelope with an International Reply Coupon to Bob Asdal at Headquarters in New York. The Student Newsletter would like to hear from hams who make contact as a result of the Directory for a possible future article.

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