



IEEE Region 8 newsletter

Editor: W. H. Devenish, The Electrical Research Association,
Cleeve Road, Leatherhead, Surrey, England.

(Telephone Leatherhead 74151 : Telex 264045)

Regional Director : Professor P. G. A. Jespers,
Louvain University, Electronics Labs., 94 Kar. Mercierlaan, 3030 Heverlee, Belgium.

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The Transnational Character of the IEEE and the Galindo Petition



Professor Paul G. A.
Jespers,
Director, Region 8

As you are probably aware, a proposal for a change in the IEEE Constitution will be presented to the membership for an expression of its opinion in September 1971. The proposal has been made by a group of members who feel that the present objectives of the Institute as stated in our Constitution are not adequate for our organisation.

Basically the substance of the proposal is to make the primary purpose of the IEEE the promotion and improvement of the economic well-being of the membership of the IEEE and the amendments, if adopted, would require that the Institute . . . promptly enact suitable bylaws and . . . vigorously and judiciously

pursue all other activities necessary or desirable for the attainment . . . of this goal.

The impact of such a change in the goals of the Institute can be easily foreseen.

First, the IEEE, whose members have made it pre-eminent in its field throughout the world, has the responsibility to provide technical leadership of unquestioned excellence and integrity. In meeting this responsibility, the Institute collects, referees and disseminates technical information whose high quality is universally acknowledged. Under the proposed amendments, this technical and educational function would be relegated to secondary status, while the primary objective of IEEE would be non-technical. This step would, in the opinion of the Board, . . . cart the Institute from its technical mission to such an extent . . . it could not maintain its technical activities at the level the membership expects of it.

Second, the proposed amendments would restrict voting privileges, on matters having to do with the proposed primary purpose of economic well-being, to members residing and practicing in the United States and its territories, and would deny

holding any IEEE office to anyone not residing within the United States or its territories. While voting and holding office would be permitted, for the secondary (scientific, literary and educational) purposes, the difficulty of drawing a clear distinction between the primary and secondary purposes would have the effect in practice of disenfranchising voting members and office-holders outside the United States on most matters of common professional concern. The amendments would therefore have the effect of putting all members outside the United States and its territories in a secondary position, and would seriously weaken and eventually destroy the unique transnational character of the Institute.

Third, it should be clearly recognised that if the proposed constitutional amendments are adopted, their effective implementation will require that the Institute embark on some very extensive programme of lobbying and other legislative activities at federal and state levels. The cost of these will completely dwarf any increase due to a change in tax status. It may be noted that the basic annual dues of the American Medical Association (whose member count is close to that of IEEE) are \$110 per annum, while specialist and local dues (similar to IEEE's Group fees) raise this figure to an average of over \$250.

Although it is not possible for me in my capacity as Regional Director and a member of the Board of Directors to express any IEEE position, prior to the official statement of position which will be forthcoming very shortly, I wanted to draw your attention to the importance of this matter and urge you to carefully consider the issues and return your ballot promptly. In my judgment the primary purpose of the Institute should continue to be scientific and educational, directed toward the advancement of the theory and practice of electrical engineering, electronics, and the related arts and sciences, and I intend to so advise the Board of Directors.

P. Jespers,
Region 8 Director

Carmel Valley, California
August 22, 1971

INSTITUTE NEWS

Names for Regions

Regions are known by their official designations, 1 to 10 in Arabic numerals. Members who have infrequent occasion to deal with them have expressed difficulty in visualising the numbers on a map. Now, except for Regions 8 and 10, which are not readily categorised, Regions, in addition to referring to themselves by numerals, may, by authorisation by ExecCom, optionally adopt the following:—

United States: Region 1: Northeastern; Region 2: Eastern; Region 3: Southeastern; Region 4: Central; Region 5: Southwestern; Region 6: Western.

Others: Region 7: Canadian Region; Region 9: Latin American Region.

Demarcation of the Regions is given on maps in the frontispiece of the Organisation Roster (Current one: March 1971; copy from Emily Sirjane, Headquarters, New York).

Optional names have not yet been authorised for the Technical Divisions. They are officially known by (Roman) numerals—Divisions I to VI.

If the absence of a name for Region 8 brings a flood of letters to the Director or the Editor with proposals to fill the vacancy, space will be found in a future issue to publicise the most promising, so that members in Region 8 can express their opinions on the ideas.

Journals on Microfilm

Quite apart from current publications now available in microfiche (microform), ExecCom has authorised the Publications Board to offer, by agreement with Princeton Microfilm Corporation, IEEE journals to libraries on microfilm. The complete back file of AIEE, IRE and IEEE journals, 1884-1970, and annual updates from 1971, will be sold in 16 mm and 35 mm positive and negative open reels, also in 3M-Co. and Recordak 16 mm cartridges. Net income will be shared by the individual Groups and Societies at interest and by IEEE as a whole. (Information may be obtained from Mr. Reed Crone, Headquarters, New York.)

IEEE History Committee

This Committee has been authorised by ExecCom to deposit in an appropriate library or museum any historical material offered, such as collections of papers or devices made by living or deceased members. An annually up-dated record of collections and repositories will be kept for the information of enquirers. The Committee alternatively will make recommendations to ExecCom in cases where collections are of unusual size, value or rareness.

Intercon '72

Technical sessions for the Convention next March (20-23) are taking shape under Chairman Jatlow. The highlight evening session will deal with phases of engineering in sociology and the ecology. By 24 June greater Group/Society participation than hitherto had been achieved in planning a full, balanced complement of technical sessions. Session organisers have been appointed. More emphasis will be placed throughout on obtaining an increased proportion of non-US speakers.

While all technical papers presented will have been invited by session organisers, a member may offer a 75-100 word abstract of a paper to J. F. Jatlow at IEEE for consideration while the programme is still in its formative stage.

Conference Publications

In order to improve the handling of conference publications and remove ambiguities, an important change is being made. It

will be effective after a transition period to avoid upsetting conference publications arrangements that already have been completed.

The IEEE catalogue number will continue to serve its prior purpose of identification, but it will also be used in the computerisation of much of the detailed work at IEEE Headquarters business office. It is extremely important, therefore, that an IEEE catalogue number be placed on all IEEE products and, conversely, we should not assign IEEE catalogue numbers to products that are the responsibility of others. A typical new number might be '71 CH 0045-9-ED'. The first two digits are the date; 'CH' means conference, hard copy (with 'CM' reserved for conference, microfiche); '0045' is the IEEE computer-control number assigned to the document; '-9' is the check digit, to minimise key-punch errors; and '-ED' indicates that the IEEE sponsor was the Electron Devices Group.

MEETINGS OUTSIDE REGION 8

International Electrical, Electronics Conference and Exposition

This Conference is sponsored by the Canadian Region of IEEE and will be held in Toronto from 4-6 October 1971. Thirty conference sessions will cover such fields as biomedical electronics, control and system science, communications circuits, computer systems and applications, digital circuits and digital signal processing, logic design, microwave technology, power distribution and the modelling and analysis of power circuits, opto-electronics, radar, satellite communications, semi-conductors and thin film devices and solid state controls.

1971 IEEE International Electron Devices Meeting

The meeting will be held at the Washington Hilton Hotel in Washington DC for 11-13 October 1971, covering research development, design and manufacture of integrated electronics; imaging and display devices; solid state devices; quantum electronic devices; electron tubes. Late news papers will be considered if abstracts for 10-minute papers are received before 1 September by Mr. D. P. Kennedy, IBM East Fishkill Laboratories, Route 52, Hopewell Junction, NY 12533, USA.

1972 International Symposium on Information Theory

The IEEE (Information Theory Group), with the participation of the International Union of Radio Science (URSI), are sponsoring this Symposium from 31 January-4 February 1972 at Asilomar Conference Grounds, Pacific Grove, California. Research papers on all aspects of information theory are solicited from all countries for presentation at the Symposium. In addition to papers in the classical areas of coding theory and systems, statistical detection and estimation theory, communication system analysis and design, statistical data processing and pattern recognition, contributions are especially solicited on new applications of the basic concepts in biomedical engineering, environmental and urban system studies, communication nets, the computer-communication interface, and new data-processing devices and techniques. Further information may be requested from Professor T. Kailath, Stanford University, Department of Electrical Engineering, Stanford, California, USA (telephone (415) 321-3300, ex. 205).

1972 IEEE International Solid-State Circuits Conference

The Conference will be held on the campus of the University of Pennsylvania and at the Sheraton Hotel, from 16-18 February 1972 in Philadelphia, Pennsylvania. ISSCC is sponsored by the IEEE Solid-State Circuits Council, the IEEE Philadelphia Section and the University of Pennsylvania. Papers, not previously published or presented, describing significant contributions in the following or related areas, are invited: integrated electronics; circuit techniques; memories; new device applications; optoelectronics; computer aids to design; medical electronics. Authors must submit *both* a 35-word informative abstract and a 300-500 word summary, appropriate to a 20-minute paper, that must reach the European ISSCC 72 Secretary, Mr. O. G. Folberth, IBM Laboratory, PO Box 210, D-703 Boeblingen, Germany, by 17 September 1971. Since papers will be selected on the basis of the *summaries*, they must *clearly describe what new and significant results have been obtained*, supported by illustrations where appropriate. A limited number of late news items (suitable as 10-minute papers) reflecting *important new developments*, will be considered if 100-word abstracts and 300-500 word summaries are received by 3 January 1972.

Intermag Conference

The Tenth International Conference on Magnetism (INTERMAG) will be held from 10-13 April 1972 at Kyoto International Conference Hall in Kyoto, Japan, organised through the auspices of the Magnetism Group of the Japan Society for the Promotion of Science, and sponsored by the Magnetism Group of the IEEE. Papers are solicited in all areas of applied magnetism, related magnetic phenomena and super-conductivity. Digests must be

received *no later than* 20 November 1971. A digest is not an abstract. It is a condensation of a paper into a two-page summary which contains an outline of the analysis or experimental work to be presented, including as much of the results as possible. Please quote numerical results whenever available. Figures and tables are also encouraged. The Technical Programme Committee will judge the paper by the digest. The digest will be the only version of the paper available to the public until and unless it appears in the special issue of the 'IEEE Transactions on Magnetics' some months later. Digests should be sent to Professor E. Goto, c/o INTERMAG 72 Secretariat, KDD Research and Development Laboratory, 1-20 Nakameguro 2-chome, Meguro-ku, Tokyo, Japan.

Fifth International Colloquium on Magnetic Thin Films (ICMTF)

This will be held from 16-19 April 1972 at Fuji View Hotel as a satellite seminar of the INTERMAG Conference. Further information can be obtained through Professor S. Chikazumi, ICMTF, c/o INTERMAG 72 Secretariat, KDD Research and Development Laboratory, 1-23 Nakameguro 2-chome, Meguro-ku, Tokyo, Japan.

1972 International Conference on Speech Communications and Processing

The Conference will be held from 24-26 April 1972 in Boston, Massachusetts, sponsored by the IEEE Group on Audio and Electroacoustics, and the Air Force Cambridge Research Laboratories. The purpose of the Conference is to exchange information on new experiments and concepts in speech processing relating to communication, synthesis, aids for the handicapped, pattern recognition problems, and quality and intelligibility measurements. The Conference is directed to all members of the technical community engaged in research, development and evaluation of speech processing techniques. Papers will be solicited from US as well as foreign authors. Prospective authors should prepare a 100-word abstract by 1 November 1971, and a four-page photo-ready paper by January 1972. The technical programme Chairman is Mr. C. Teacher, Phil Ford Corporation, 3900 Welsh Road, Willow Grove, Pennsylvania 19090, USA.

VII International Quantum Electronics Conference 1972

The Conference will be held at the Queen Elizabeth Hotel in Montreal, Canada, from 8-11 May 1972, under the sponsorship of the American Institute of Physics and the IEEE through the Joint Council on Quantum Electronics. The meeting is also being co-sponsored by the National Research Council of Canada. As in previous IQE Conferences, this Conference will provide a forum for presenting and discussing new theories and experiments in quantum electronics as well as principles of novel laser and optical devices. The programme will include invited and contributed papers.

Original papers, not previously published or presented, are solicited and authors are requested to submit *both* a 35-word abstract and a 500-word summary of their paper. Since papers will be selected on the basis of the *summary*, it must include specific information. Two copies of both summary and abstract, with a set of figures suitable for journal publication (glossy photographs or original line drawings) should be forwarded to Professor B. P. Stoicheff, Department of Physics, University of Toronto, Toronto 181, Ontario, Canada. The deadline for receipt of papers (in Toronto) is 10 January 1972. Only summaries and abstracts should be submitted to Professor Schoelch. Further enquiries regarding this Conference should be directed to the Conference Manager: Dorothy Edgar, Courtesy Associates, Suite 700, 1629 K Street, NW, Washington DC 20006.

1972 IEEE G-MTT International Microwave Symposium

This Symposium is to be held from 22-24 May 1972 at the Arlington Park Towers Hotel, Chicago, Illinois, USA. Papers

that have not been previously published or presented describing important new contributions in the field of microwaves are solicited. Papers of special interest are those useful for concept selection, feasibility study, design, fabrication and testing. Authors must submit both a 35-word abstract and a 500-1,000 word summary (up to 6 illustrations) appropriate for oral delivery by 7 January 1972 to Dr. P. P. Toullos, Co-Chairman Technical Programme Committee, IIT Research Institute, 10 West

35th Street, Chicago, Illinois 60616, USA. The Symposium will include a student papers contest open to undergraduate and first-year graduate students. Student papers must be submitted in full length (3,000-5,000 words). The deadline for submission of student papers is 1 February 1972, to Professor J. J. Hupert, Chairman, Department of Physics, De Paul University, 1215 West Fullerton Avenue, Chicago, Illinois 60614, USA.

REGION 8 NEWS



IEEE 1971 Directors Reception. President Mulligan congratulating Mr. Michel Codou and Mr. Bernard P. Zisermann from the Ecole Supérieure d'Ingenieurs d'Electrotechnique et d'Electronique de Paris, on receiving the Region 8 Student Prize Paper Award. In addition to President Mulligan is Professor R. Russ, Chairman of the Student Activities Committees, on the left, and Region 8 Director, Professor Paul Jespers, on the right.

Visiting Lecturers

At the meeting of the Regional Committee in Paris earlier this summer, attention was given once again to the possibility of arranging lectures by outstanding speakers who may be visiting, or close by, the area of a particular Section. Ideas of this kind have been examined many times in the past, but without

widespread success, but now that an arrangement has been introduced for IEEE Headquarters to offer such a service, regular lists of potential speakers may be expected from Peter D. Edmonds (Administration of Technical Services) in New York. Full details of the scheme, including details of the necessary financial provisions, have been sent by the Regional Director to all members of the Regional Committee.

There is another aspect of the outstanding speakers' tours that can be set up by yourself: Headquarters as well as Region 8 wants to organise a real exchange of speakers in both directions: Region 8-US and Canada and vice-versa, and speakers inside Region 8 itself. The Regional Director is sure that this is the wish of everyone of us, but we cannot be successful without the active co-operation of our members, our Section Chairmen, our National Societies and the different groups and societies of IEEE. That is why you are asked to keep the Regional Director informed about the travels of outstanding speakers from your Section both inside and outside Region 8, if you know that they will agree to give some lectures. Send information to Mrs. C. Stievenart, Avenue Armand Huysmans 206, 1050 Bruxelles, Belgium.

This system, which can be called a random approach, is rather simple, but we think that there is a second approach even more interesting. Each year, international conferences are held in Region 8. From a look on the list of conferences mentioned below, and more particularly on their advance programme, you are probably able to detect the participation of outstanding speakers. Please mention those that would be of interest to you to Peter Edmonds, and the Regional Director, who will try to make the necessary contacts. Sponsored activities in Region 8 are: September 1971: Circuit Theory, England; October 1971: IFAC Dusseldorf ICSS; March 1972: VME/1 III IPES; June 1972: IFAC Congress Control.

MEETINGS IN REGION 8

1972 International Zurich Seminar on Integrated Systems for Speech, Video and Data Communications

The Seminar will be held at the Swiss Federal Institute of Technology, Zurich, Switzerland, from 15-17 March 1972. Original papers, not previously published or presented, describing significant contributions in the field of integrated digital communication systems covering the following or closely related aspects are invited: Theoretical foundations for the development of integrated digital communication systems; Switched networks for mixed digital services; Digital coding of speech, music, etc.; Engineering aspects of network synchronisation; Subscriber facilities; Organisation of broadband transmission systems; The Problem of progress towards a wholly-digital network; Description of operational and compatibility problems and experience with operation and maintenance.

Prospective authors, after giving provisional title of the paper to be submitted, will receive on request all necessary information for the preparation of manuscripts. Only papers which follow these instructions will be considered. Authors will be invited to submit *both* a 35-word informative abstract, and a 300-500 word summary, appropriate to a 20-minute paper, that must reach the Chairman by 1 September 1971. A limited number of late news items (suitable for 10-minute papers) reflecting important new developments, will be considered, if 100-word abstracts and 300-500 word summaries are received by 1 November 1971. Presentations and subsequent discussions may be in English, French or German, but English will be the preferred conference language. All correspondence concerning the Seminar should be directed to Dr. A. E. Bachmann, PTT Research Laboratory, Speichergasse 6, 3000-Berne, Switzerland.

Education and Training of Professional Engineers—A National Problem

This Conference is organised by the Science, Education and Management Division of the IEE, in association with the IEEE (UK & RI section) and the Institution of Mechanical Engineers, and will be held at the Royal Naval College, Greenwich, from 3-5 May 1972. The purpose of the Conference is to provide a forum for discussion by engineers who are concerned with the education, training and employment of professional engineers, particularly the apparent mis-match between the users on the one hand and the educators and trainers on the other. An aim of the Conference is to be provocative. Education and training

since the war have been characterised by recommendations and reports that have failed either to be adopted or to be effective. All too often they have attempted to build on a system which is itself inadequate or out-dated. In this Conference it is hoped to look at possible solutions in the context of a total problem.

The principal formal contributions in each session will be presented by invited speakers. It is planned, however, to complement these with shorter contributions, not exceeding 1,500 words, and prospective authors will, on application, be sent a more detailed description of the framework of the Conference. Registration forms and further programme details will be sent to all who write to the IEE Conference Department, Savoy Place, London WC2R 0BL, England.

1972 International Conference on Thin Films, Venice

The Conference, promoted by the International Thin Film Committee, will be held in Venice, Italy, from 15-19 May 1972, under the sponsorship of the Italian Physical Society, the Italian Electrical and Electronic Association, and the North Italy Section of IEEE. The major topic of the Conference will cover the 'Application of Thin Films'. Aside from the traditional items of nucleation and growth, charge transport phenomena, mechanical and optical properties, sessions on influence of substrates on film properties, chemistry of thin films, application in optics and mechanics and thin film devices (including MIS structures, amorphous films, cermet and metal film resistors, thin film capacitors and inductors and so on) are planned.

Prospective contributors of original papers are kindly requested to submit a preliminary synopsis typewritten on one page, including title, authors and affiliation, text, figures and references, if any; everything must be contained within a 16.5 cm x 21.5 cm rectangular area. The abstracts should be sent before 1 December 1971 to Professor N. Minnega, Programme Chairman, Sezione Progetti e Studi, Honeywell Information Systems Italia, I-20010 Pregnana Milanese, Italy. Proceedings of the Conference will be published in a scientific international journal.

1972 Conference on the Automation of Testing, Staffordshire

A Conference and exhibition on the automation of testing is to be held at the University of Keele, Staffordshire, England, from 20-22 September 1972. The aim of the Conference is to provide management and engineering staff with an opportunity to obtain a better understanding of what is possible in the field

of automatic testing and of the studies necessary to determine its suitability in any particular role. Organised by the Control and Automation Division of the IEE, and the Electronic Engineering Association, the Conference is being held in association with the IEEE (UK & RI Section), the Institution of Electronic and Radio Engineers, the Institution of Mechanical Engineers and the Institution of Production Engineers. Contributions are invited from all who have had experience in or are studying this subject, and may cover any aspect of applying automatic test methods which will interest managers and engineers concerned with product or equipment testing. In particular, contributions would be welcome covering: The examination of automatic testing from a user point of view; A discussion of problems arising from the introduction of a new product which may demand new study and for which no suitable automatic testing equipment exists; The impact of automatic testing methods on product design; The examination of the impact on the organisation of a company or establishment caused by the introduction of automatic testing; What management needs to know about automatic testing and its implications. Those intending to offer a contribution, not exceeding 300 words, should submit a 250-word synopsis before 3 September

1971. Further details and registration forms will be available from the Manager, Conference Department, IEE, Savoy Place, London WC2R 0BL, England.

Electrical Variable Speed Drives

Organised by the Power Division of the IEE, in association with the IEEE (UK & RI Section), and to be held in London from 10-11 October 1972, the aim of this Conference is to provide a forum where the particular advantages of each of the many alternative drives may be clearly formulated and discussed. The scope of the Conference covers the specification, cost and use of electrical variable speed drives in a wide range of industrial applications including the following: (a) large reversing drives; (b) traction; (c) general purpose industrial drives; (d) domestic and light industry. The Organising Committee invite offers of contributions covering the above topics, not exceeding 2,500 words. Those intending to offer a contribution should submit a synopsis (approximately 250 words) before 20 December 1971. The full manuscripts will be required for assessment not later than 8 May 1972. Full details may be obtained from the IEE Conference Department, Savoy Place, London, WC2R 0BL, England.

NEWS OF THE SECTIONS

DENMARK SECTION

The presentation of the earlier announced 'PERT-game' paper will take place on 29 September. In the first part of November, Mr. B. Petersen, from the Acoustics Laboratory of the Technical University, has been invited to present acoustical problems. In December, Dr. G. Thirup, from the Chemical Institute, University of Aarhus, will give a lecture dealing with the problems in data transmission and communication in on-line control systems. A visit to the Technical University by the South Swedish members of IEEE has been planned, but the date is not yet decided. The Student Branch had their first meeting on 7 September, when the Chairman, Vice-Chairman, Treasurer and Secretary were elected. Mr. P. Nielsen, Radiometer Copenhagen, described at the meeting a method to automatic blood testing and analysis.

ISRAEL SECTION :

The Israel Section held its seventh biannual Convention in Tel-Aviv from 19-22 April. It was the largest and most successful Convention and underscored the rapid growth of the electronics industry in Israel. The Convention opened with an address by Mr. S. Peres, Minister of Communication and Transport, who emphasised the challenge that awaits the Israeli electronics industry. Following this address, the technical exhibit was formally opened by Mr. G. Lahav, Director-General of the Ministry of Commerce and Industry.

Over 1,400 registrants attended lectures that were divided into 16 technical sessions, in which 80 papers were delivered. Two special talks were given: Dr. J. Narud of Motorola (USA), described the progress made in MSI-LSI technologies, and Dr. Y. Peless, Technical Manager of Educational Television in Israel, spoke on the applications of electronic technology in improving learning techniques. There were also three round-table discussions, one moderated by Professor Zakai, Dean of the EE Department of the Technion (Israel Institute of Technology), on the Education of Electronics Engineers; another, moderated by Mr. Y. Lavi, Director-General of the Ministry of Defence, on organisation structure and information systems in project management; and a third on reliability.



Pinhas Sapir, Minister of Finance and of Commerce and Industry (second from right) visiting the technical exhibit of the Seventh biannual Convention of the IEEE in Israel. Explaining the exhibit is Gurion Meltzer (right), Chairman of the Israel Section of IEEE and Chairman of the Convention.

At the festive dinner, in the presence of Moshe Dayan, Minister of Defence, the honorary grade of Fellow of the IEEE was bestowed on Yeshayahu Lavi. The presentation was made by Professor Jespers of the University of Louvain in Belgium. Professor Jespers, Region 8 Director of the IEEE, participated in the entire convention. In his address, Mr. Lavi stressed the challenge facing man in view of technological developments at the responsibility of the engineer in this context. Also honoured at the dinner was Professor F. Ollendorff, of the Technion, who was awarded the Education Medal, but Professor Ollendorff could not attend because of illness.

A crowning achievement of the Convention was the technical exhibit, which had 180 booths spread over 25,000 square feet. More than 30,000 visitors were introduced to the products and services of 350 companies from Israel, US, Europe and Japan. The Convention was headed by Mr. G. Meltzer, Chairman of the Israel Chapter of the IEEE.

SWEDEN SECTION :

The following meetings were arranged jointly by the IEEE Sweden Section and the Engineering Society of Gothenburg: (1) on 9 September 1970, Mr. L. Bergqvist from the LM Ericsson Company, Molndal spoke on 'Doppler Radar—the Radar of the Seventies'; (2) on 11 November 1970, Mr. J. Oldenburg, ATEW AB, lectured on 'Electronics and Ship Automation'; (3) on 23 November 1970, Mr. S. Lavemark, Energiverken, Gothenburg, spoke on 'Supplying Gothenburg with Energy: Problems and Plans'; (4) on 8 December 1970, Dr. B. E. Bengtsson of Chalmers University of Technology lectured on 'Elina—An Experimental Electrically-Powered Automobile, Developed at Chalmers University of Technology'; (5) on 16 February 1971, Mr. A. Vernblad, SAS, talked on 'Navigation and Landing Equipment for Modern Traffic Airplanes'; (6) on 30 March 1971, Mr. L. Lunden, Energiverken, Gothenburg, spoke on 'Power Quality—A Power Distribution Milieu Problem'; (7) on 4 May 1971, Mr. N. Johannesan, LM Ericsson Telephone Co., Stockholm, spoke on 'Picture Telephone'.



Yeshayahu Lavi, Director-General of the Ministry of Defence, displays the IEEE Fellow Certificate presented to him by Professor P. Jespers, Region 8 Director. Seated from right to left: Gurion Meltzer: Chairman of the Israel Section of IEEE; Moshe Dayan: Minister of Defence; Efron Gunders: Secretary/Treasurer of Israel Section.