



Newsletter

No. 1
December 1967

MESSAGE FROM THE DIRECTOR OF REGION 8.

This is the first issue of a new publication to serve the members of Region 8 and which carries the good wishes of the President and Board of Directors.

As you will know, the IEEE is organised on a world-wide basis into ten Regions, of which Region 8 extends over Europe, the Middle East and North Africa, with a membership of over 4000 including some 300 students organised in 11 Sections and 5 student branches.

While the members residing in Section areas have their own lines of communication, and students have had their own Newsletter, there has so far been no Region-wide publication and it is hoped that this Newsletter, issued two or three times a year, will fill this communication gap and enable all members of all grades to feel that they are part of a Regional organisation.

Copies of the Newsletter will be mailed direct to all members, including students; editorial policy is under the control of an international committee of which Jean Lebel, the immediate Past-Director, is Chairman; the Editor is Bill Devenish, who has been the Editor of the U.K.R.I. Newsletter; and the proposed make-up will cover Institute announcements of particular interest to the Region and Regional, Section and Student news. Not only will this inform everyone of the various sectional and student activities, but it is hoped will also stimulate membership and the formation of new sections and student branches within the Region.

In wishing this new publication every success, I would like to thank all those whose work has helped to make it possible, and to close by reminding all of us that its future depends on the extent to which it is of service to members and that this, in turn, depends on the support it receives from each and every one of us.

Robert C.G. Williams

Editorial Board:

Mr. J.D. Lebel (Chairman) Past-Director &	Vice-Chairman Region 8 Executive Committee
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Professor A. Vander Vorst	Acting Chairman, Region 8 Student Activities Committee
Mr. C.R. Russell	Region 8 Secretary/Treasurer

INSTITUTE NEWS

Conference Records.

Members now have the privilege of purchasing Conference records at one-half the price charged to members in the United States and Canada.

Streamlining of Membership Applications.

The Executive Committee of the Board of Directors has recommended changes in Bylaw 106.2, reducing to three the number of references required for admission or transfer to Member or Senior Member grades. Each reference is to be furnished with a copy of the applicant's statement and a re-designed reference form emphasising the need of additional supporting information to permit an intelligent decision.

Anyone receiving such a form from New York is asked to complete it as quickly as possible and return it by air mail without delay. Failure to do this is one of the main causes of delay in membership applications. The form may be completed in any European language if this would result in its accelerated return.

Spanish Language Publication.

The Board of Directors has approved the establishment of a Spanish language technical publication of, by and for the Latin American Region of the IEEE. Copies of this publication could probably be obtained by Spanish-speaking members on request to Headquarters.

Ocean Engineering.

Would any members interested in or working on ocean engineering and who would welcome an IEEE outlet write, with personal details, to Richard M. Emberson, at New York Headquarters.

REGION 8 NEWS

Members Elevated to Fellow Grade.

The following members of Region 8 were elevated to Fellows as at 1st January 1968:-

France Section.

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| Aisberg, Eugene | For his outstanding work, for more than forty years, as Editor of technical magazines and author of educational books successfully known on a world-wide basis. |
| David, Pierre | For his contributions to radio receivers and radar techniques, and his outstanding performance as teacher and author of textbooks on telecommunications. |
| Gutton, Henri | For his contributions to the development of u.h.f. wave generation, its application, particularly to radar. |
| Nouvion, Fernand F.P. | For important contributions to the development of modern electrical railroads. |
| Voge, Jean P.F. | For outstanding work and teaching on u.h.f. tubes, wave propagation and space communication. |

Middle and South Italy Section.

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| Angelini, Arnaldo M. | For contributions to the development of electrical power systems, particularly nuclear power, and to engineering education. |
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Norway Section.

- Dahl, Helmer H. For scientific contributions in the fields of acoustics and microwave techniques.
- Gaudernack, Leif F. For his contributions to the development of circuits, methods and components in communication engineering, and his leadership of engineering projects.
- Ingvaldsen, Bernt For his prominent roles in developing and expanding the electrical industry, and in serving his Government.
- Lied, Finn For distinguished technical leadership and contribution in ionospheric research.

United Kingdom and Republic of Ireland Section.

- Ash, Eric A. For significant contributions to microwave tubes, solid-state microwave devices and electron optics.
- Clarricoats, Peter J.B. For contributions in the field of guided electromagnetic wave propagation.
- Coales, John F. For his outstanding contributions in the field of electronics and control engineering, and particularly for major contributions to the development of automation and computer interests in the United Kingdom.
- Dummer, Geoffrey W.A. For contributions to micro-electronics and component reliability.
- Greig, James For his contributions in the educational field, and research on the behaviour of magnetic materials, computers and automatic control processes.
- Lee, Edgar M. For contributions to design, specification and safety of electronic equipment and components, and co-ordination of industry and Government in electronic development, production and inspection.
- Oatley, Charles W. For contributions to research in radar and electron optics, especially for development of the scanning electron microscope.
- Searby, Norman H. For his contributions to research and development in the application of electronics to guided missile projects.
- Spagnoletti, Philip H. For contributions to the design of short-wave broadcasting equipment and single side-band telecommunications equipment.

Contributions to IEEE Proceedings and Spectrum.

All Sections are requested to put forward the names of members who might be invited to submit papers in European languages for consideration for publication in the Proceedings or Spectrum. These papers may be in the form of a survey of a field of particular interest to the author or his Section.

Electronic Computer Group.

A statistical analysis shows that several Sections have a number of members who might be interested in starting a Section Group Chapter on Computers. Anyone so interested should contact his Section Chairman, or Contributing Editor.

Sponsored Meetings in Region 8.

A Conference on Interference Problems associated with the operation of microwave communication systems will be held at the Institution of Electrical Engineers, London, from 22nd to 24th April 1968.

Also with the IEE and IERE, two Conferences in September 1968. The first on tropospheric wave propagation, and the second, in Cambridge, on electronics design, where special attention will be paid to management of design and the training of designers.

The Seventh International Conference on Microwave and Optical Generation and Amplification, 'MOGA 68' will be held from 16th to 20th September 1968, in Hamburg, Federal Republic of Germany. The Conference will be sponsored by the 'Nachrichtentechnische Gesellschaft im VDE (NTG)' in co-operation with the 'Verband Deutscher Elektrotechniker (VDE), Hamburg Section' and the 'Germany (West) Section of the Institute of Electrical and Electronics Engineers (IEEE)'.

The 1969 Intermag Conference will be held in Amsterdam from 16th to 18th April 1969 and not 9th to 11th April as previously announced.

A Conference on power thyristors and their applications, in May 1969, with the Institution of Electrical Engineers in London.

NEWS OF THE SECTIONS

BENELUX SECTION

Contributing Editor - Dr. Paul Williams,
Catholic University,
Louvain, Belgium.

The two-day summer meeting was a technical conference on 'Recent Advances in Technical Research', held in Eindhoven. Eight very interesting papers were presented and afterwards four demonstrations were given. Professor Schouten spoke about the structure of and the research in the Institute for Perception Research, in which the Philips Research Laboratories and the Technological University co-operate.

During the meeting the Secretary/Treasurer of the Benelux Section handed to Dr. Ryerson of the SHAPE Technical Centre the Diploma of Fellow of the IEEE.

EGYPT SECTION

Contributing Editor - (To be appointed)

FRANCE SECTION

Contributing Editor - Mr. Rene Baudry,
26 rue de l'Yvette,
Paris XVI, France.

The French Section has 350 members and has been registered with, and approved by, the French Government.

The Officers of the Section are -

Chairman	Pierre David (Former Scientific Adviser to SHAPE)
Vice-Chairman (Power)	Gerard Lehman (G.G.E.)
Vice-Chairman (Electronics)	Jean Ortusi (C.S.F.)
Secretary/Treasurer	Alain-Jean Profit (C.N.E.T.)
Programme Chairman	Leo Thourel (E.N.S.A.)
Publicity Chairman	Eugene Aisberg (Editions Radio)
Membership Chairman	Christian Lacarriere

Seven successful lecture meetings were held in the 1966-67 season on a wide variety of subjects.

A France Section Chapter of the IEEE Computer Group sponsored by Mr. Philippe Dreyfus has been organised. The first meeting of this Chapter was on 13th November, when Mr. Morton Nadler lectured on 'Engineering Problems of Optical Reader Design'.

The next meetings of the Region 8 Executive Committee and Student Activities Committee are scheduled to be held in Paris in April 1968, on the invitation of the France Section, during the Electronic Component Industries Exhibition.

ISRAEL SECTION

Contributing Editor - (To be appointed)

MIDDLE AND SOUTH ITALY SECTION

Contributing Editor - (To be appointed)

NORTH ITALY SECTION

Contributing Editor - Professor G. Cariolaro,
University of Padova,
Via Marzolo 9,
Padova,
Venetia, Italy.

This is the first year of activity of the North Italy Section after the separation of the Italy Section into North Italy and South-Middle Italy Sections.

In the territory of the Section there is a strong national society - Associazione Elettrotecnica ed Elettronica Italiana (A.E.I.). Following the advice of the IEEE President, contacts were made to examine the possibility of co-operation. This action has been successful, e.g. some joint conferences have been held using the A.E.I. facilities, particularly the one by Professor R.L. Fritchard of Stanford University on 'Integrated Circuits and their Impact on the Electronics Field' on 13th October 1967.

As the A.E.I. has no important student activity, this has been considered an IEEE matter. There are now 79 IEEE students, mainly at the University of Padova. The Chairman is contacting the Professors of other North Italy Universities to increase the student membership. The Section has taken part in the first Region 8 Student Contest at Lausanne, with two students - one was the third prize winner.

There were 303 members in the Section in November, compared with 286 in April of 1967.

NORWAY SECTION

Contributing Editor - Mr. M. Michael Brady,
A/S NERA Oslo,
Pilestredet 75 c,
Oslo 3, Norway.

The Officers of the Section are -

Chairman	Dr. Andreas Rannestad
Vice-Chairman	Mr. Knut Melby
Secretary/Treasurer	Mr. Per Bergstad

The Executive Committee was pleased that four Section members were elevated to the grade of Fellow.

SWEDEN SECTION

Contributing Editor - Professor E.F. Bolinder,
Division of Network Theory,
Chalmers University of
Technology,
Gibraltargatan 5 T,
Gothenburg S, Sweden.

The Officers of the Section are -

Chairman	Professor E. Folke Bolinder
Vice-Chairman	Professor Bengt Enander
Secretary/Treasurer	Mr. Bo Stjernberg
Vice-Secretary/Treasurer	Professor Per-Arne Tove

Meetings.

Five very well attended and successful meetings were held during 1967.

Bylaws.

The Sweden Section Bylaws have now been approved by the Sweden Section Executive Committee and provide for operation on a calendar year basis.

Members.

Professor Stig Ekelöf, Chalmers University of Technology, has become a member of the IEEE History Committee.

Schools of Recognised Standing.

Stockholm University, Lund Institute of Technology, ~~Gothenburg~~ University, Lund University and Umed University have been approved as schools of recognised standing.

SWITZERLAND SECTION

Contributing Editor - Mr. H. Laett,
Radio Schweiz AG,
Viktoriaplatz 1,
3000 Bern 25, Switzerland.

(News awaited)

UNITED KINGDOM AND
REPUBLIC OF IRELAND SECTION

Contributing Editor - Mr. R.C. Winton,
Mullard House,
Torrington Place,
London, W.C.1, England.

Calendar Administrative Year.

The Learned Society activities, the period of office of committee members and officers, and the financial year will, in future, all coincide with the calendar year.

Meeting.

A talk on 'Education for the Engineering Mission' was given at a combined IEEE/IEE meeting in London on 17th October by Dr. W.G. Shepherd, the immediate Past-President of the IEEE, and the Vice-President of Academic Administration at the University of Minnesota.

GERMANY (WEST) SECTION

Contributing Editor - Dr. L. Rohde,
Rohde & Schwartz,
Muhldorfstrasse 15,
8 Munich 8, West Germany.

This changed title of the Section has been approved by the IEEE Executive Committee.

The next projects of the Section are -

Cybernetics Conference 1968.

23rd-26th April 1968, Munich (F.R. Germany); Sponsors: Germany (West) Section IEEE, Deutsche Gesellschaft für Kybernetik (DGK), Nachrichtentechnische Gesellschaft im VDE (NTG); details available from H.H. Burghoff, 6 Frankfurt/Main 70, (F.R. Germany), Stresemann Allee 21, VDE-Haus.

Seventh International Conference on Microwave and Optical Generation and Amplification.

16th-20th September 1968, University of Hamburg (F.R. Germany); Sponsors: Germany (West) Section IEEE, Nachrichtentechnische Gesellschaft im VDE (NTG), Verband Deutscher Elektrotechniker (VDEO), Hamburg Section; details available from H.H. Burghoff, 6 Frankfurt/Main 70, (F.R. Germany), Stresemann Allee 21, VDE-Haus.

Members' Meeting.

26th September 1968, Berlin, in connection with the 55th VDE General Meeting 1968 (only for members of the Germany (West) Section).

STUDENT ACTIVITY NEWS

Contributing Editor -- Professor A. Vander Vorst,
Acting Chairman, Region 8
Student Activities Committee,
Electronic Research Laboratories,
Louvain University,
94 Kardinaal Mercierlaan,
Heverlee, Belgium.

The First Student Paper Contest.

The first Student Paper Contest for Region 8 was held in Lausanne, Switzerland, on 7th September 1967. The organisation of the Contest by Dr. Eggimann and the Switzerland Section was remarkable; everything went very smoothly. Five contestants took part this year: 1 from Sweden, 1 from France, 1 from Belgium and 2 from Italy.

The first prize was won by Ingemar Lundström from Chalmers University of Technology, Gothenburg, Sweden, for his paper on 'Analysis of Current Spreading in Firing Thyristors'. Mr. Lundström has a trip paid for by the IEEE to New York in March 1968 (IEEE Convention). He won \$50, and his paper is competing in the final contest in New York.

The second prize was awarded to Michel Declercq from the Catholic University of Louvain, Belgium, for his paper on 'Synthese d'in Convertisseur d'impedance Negative'. He won \$25 and his paper is also competing in the final contest in New York.

Mr. Giorgio Leskovic from Padova, Italy, received the third prize for his paper on 'Determination of Cardiopulmonary Circulation Parameters by Analog Computer Simulation of Cardiac Dilution Curves'. He won \$15.

We express our congratulations to all five contestants for their interesting papers and especially to the three winners.

The Second Student Paper Contest.

The second Student Paper Contest is scheduled to take place in Paris at the beginning of April 1968. The rules of the Contest remain almost the same: a few modifications will be communicated shortly to all Student Branch Counsellors and Section Chairmen.

Awards:

(a) Vincent Bendix Award.

You will find precise information related to this Award (requirements, how to apply) in the IEEE Student Journal, Vol.4, No.5, p.41, September 1966. The Madrid Student Branch received the Vincent Bendix Award last year.

(b) IEEE GNS Awards (Group Nuclear Science)

- (1) An award of \$500 for outstanding contribution to nuclear science.
- (2) Two awards of \$500 each to assist foreign scholars in the study of nuclear science in the United States.
- (3) Up to 10 student awards of \$200 each.

The student awards (3 above) will be made to student members of the IEEE who have completed at least one course in nuclear science. Nominations for this award should include a transcript of college grades and a letter of recommendation.

Nominations for the grants to foreign scholars (2 above) should include a transcript of college grades, a summary of past research and plans for research or study in the United States.

Nominations for 1968 awards should be sent to Dr. O.L. Tiffany, Bendix Aerospace Systems Division, 3300 Plymouth Road, Ann Arbor, Mich. 48107, by 1st March 1968. The recipients of the awards will be notified about 1st April 1968.

MESSAGE FROM THE EDITOR.

I am very grateful for the help which has enabled me to prepare this first issue so soon after the approval of its publication by the IEEE Executive Committee.

Space has forced me to reduce the length of some contributions, but now that Contributing Editors have had the opportunity to see the contents of a complete issue, I hope that it will be possible for future contributions to be sent to me in a form requiring the minimum of modification. I would suggest emphasis being placed on future plans with brief references to outstanding past achievements.

It is my intention, with the help of the Contributing Editors, to do everything possible to provide, through this Newsletter, a proper balance of news of interest to all readers in Region 8.

Bill Devenish,
Electrical Research Association,
Cleeve Road,
Leatherhead,
Surrey,
England.

MESSAGE FROM THE CHAIRMAN OF THE EDITORIAL BOARD.

The future of this Newsletter depends largely on the support it receives from the Contributing Editors in providing news and announcements. I should like to express the hope that those Sections which have not yet made such an appointment will be able to do so without delay to enable future issues to include items from all Sections.

The responsibility of the Editorial Board is to guide the policy to be followed by the Newsletter and suggestions will be welcomed. Members should send them to their Section Chairman, to their Contributing Editor, or direct to me at the following address:-

Jean D. Lebel,
Centre Lebel d'Etudes Scientifiques,
6 av. Daniel Lesueur,
Paris 7,
France.

POSTSCRIPT

Consequent on devaluation of the pound, the following rates should be used for any remittance to the United States through the Chase Manhattan Bank, London :-

U.S. Dollars	\$15.00	\$10.00	\$5.00	\$1.00	\$0.75	\$0.50	\$0.25
British Pounds, Shillings and Pence	£6/5/0	£4/3/4	£2/1/8	8/4d	6/3d	4/2d	2/1d

Members are reminded that dues are deductible for Income Tax.