## U.R.S.I.

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# GUIDELINES AND RULES FOR URSI SPONSORSHIP AND CO-SPONSORSHIP OF SYMPOSIA

Note: The following detailed Guidelines and Rules have been drafted in accordance with a recommendation of the URSI Council in Florence, 1984.

## I. General Guidelines

In order to promote the scientific objectives of the Union, URSI may sponsor or co-sponsor scientific meetings held between two General Assemblies. A clear distinction is made between two kinds of meetings:

- those which are organized by official bodies of URSI (Commissions, Scientific Committees, Working Groups), maybe with other bodies as co-sponsors; they should be particularly encouraged;
- (2) those which are organized by scientific bodies outside the Union. A necessary condition for URSI to be mentioned as a sponsor or co-sponsor is that the Union should have an official representative on the Organizing Committee.

The following guidelines and recommendations should be considered in the organization of scientific meetings sponsored or co-sponsored by URSI.

- 1) The Organizing Committee, which sometimes consists of a General Committee and a Local Committee, is fully responsible for the organization of the meeting, and namely for
- defining the title, scope and subject of the meeting;
- defining the location and dates of the meeting and obtaining the agreement of the local Member Committee of URSI if there is one;
- obtaining the approval of the relevant URSI bodies (Commissions, Committees, Working Groups) and authorities (Board of Officers) through the URSI Secretariat;
- making announcements and call for papers, inviting speakers and young scientists, organizing the selection of papers, etc.;

- ensuring that the local arrangements are adequate;
- ensuring the financial balance of the meeting;
- making all the required arrangements for the publication of the scientific contributions and for the preparation of preprints.
- 2) The Programme Committee deals with the scientific aspects of the meeting.
- 3) The Programme Committee should arrange contacts with individuals able to submit papers dealing directly with the subject of the meeting. It should restrict the submission of papers according to this criterion and select them on the basis of their scientific interest.
- 4) Sessions should be arranged to allow discussion of each paper submitted.
- 5) The attention of the Organizing Committee is called to the benefit which may be reached from appointing a reporter for each session of the meeting.
- 6) It is recommended to the Programme Committee to establish a list of papers to be submitted to the meeting and to forward this list to potential participants well before the meeting. If this list is made available to the Secretary General at a time suitable to attract more participants, it will be published in the URSI Information Bulletin. (N.B. The Bulletin is published quarterly in March, June, September and December).
- 7) The Organizing Committee should appoint a Scientific Editor, responsible for the publication of the Proceedings of the meeting. Publication as a practically unaccessible volume should be avoided. The preference should be given to regular publication series or to special issues of regular scientific journals. The Organizing Committee should endeavour to waive page charges or, at least, to reduce them substantially.
- 8) It is recommended to include in the Proceedings all invited papers (invited speakers should be strictly required to submit a written paper) and survey papers on the topics dealt with.

- 9) URSI shall not support a meeting if the host country does not adhere to the ICSU Rules on the free circulation of scientists, which imply that "bona fide scientists should not be excluded from participating in international scientific meetings because of race, religion, political philosophy, ethnic origin, citizenship, language or sex". In particular, no obstacles should exist to the granting of visas to bona fide scientists.
- 10) It should be recalled that the two official languages of URSI are French and English.
- 11) URSI bodies should avoid organizing meetings during the year of a General Assembly, unless they are well coordinated with the latter, e.g. close enough to reduce travel costs for participants.
- 12) URSI shall give a priority to meetings which have been planned and proposed to the Council during a General Assembly.
- 13) Preference for financial support will be given to Symposia organized by URSI Commissions, Scientific Committees and Working Groups. Proposals made by Member Committees will also receive consideration, provided the international character of the meeting is established, namely with an appropriate international representation on the Scientific Programme Committee.
- 14) The Organizing Committee should encourage actively the participation of students, young scientists and scientists from developing countries, e.g. by reduced registration fees and travel expenses, cheap accommodation facilities, etc.
- 15) It is the policy of URSI to encourage the participation of young scientists (less than 35 years of age) to scientific meetings. Special funds are normally available for the purpose. The adopted rules in this matter are as follows:
- the Young Scientist support should be reserved for URSIsponsored meetings, and even preferably for URSI-generated meetings;
- (2) the organizers of such meetings should announce the possibility of support for Young Scientists, e.g. in their Calls for papers. The candidacies should be supported by relevant

documents, e.g. curriculum vitae;

- (3) the organizers will rank the candidates, and send their list to the URSI Secretariat, for final approval by the relevant URSI Officers;
- (4) the awardees should preferably belong to developing countries.

## II. URSI Sponsoring Modes

URSI sponsorship may be granted according to three modes:

- MODE A: URSI agrees to be explicitly mentioned as a sponsor or as a co-sponsor, but is not involved in a financial support.
- MODE B: Granting by URSI of a fixed, unconditional sum. This money should be spent in a manner which does not conflict with the rules of the host country. Typically it covers expenses of key speakers, young scientists, or other deserving scientists judged to be in need of support.
- MODE C: Granting by URSI of a fixed sum, together with a supplementary sum which is to be regarded as a loan. The fixed sum corresponds to a sponsorship according to Mode B and is subject to the relevant rules. The supplementary sum, typically used to cover preparatory tasks such as publicity and correspondence, is a loan, and it must be reimbursed if the meeting shows a profit Partial reimbursement should be made if the profit is not sufficient to cover the totality of the loan.

URSI will not agree to participate in an event with a potential deficit. With regard to the coverage of unavoidable deficits, the total URSI share of the sum of such deficits may not exceed the net worth of the funds set aside for such purposes.

## III. Procedures to be Followed for Obtaining URSI Sponsorship

To secure URSI sponsorship for a symposium, the Organizing Committee is asked to adhere to the following rules:

(1) Select the desired mode of URSI participation from those sketched above (A, B or C).

- (2) Write an application for URSI participation, as detailed below. This application should be sent to the URSI Secretariat at least 8 months before the starting date of the meeting.
- (3) To accelerate matters, it is highly recommended to provide at the same time the approval of the Chairman of the relevant URSI Commission(s), as well as a letter of endorsement from the Member Committee of the host country.

The application should be made by filling in the forms which are available from the URSI Secretariat.

Form 1 should be submitted in any case.

Form 2 is required for Modes B and C.

Form 3 is required for Mode C.

The URSI Secretariat will process the application and send it to the relevant authorities (Board of Officers, Treasurer, Commission Chairmen for endorsement, etc.).

## IV. Procedures to be Followed when URSI Sponsorship has been Granted

- (1) The URSI Information Bulletin is offered as a costless announcement for any URSI-sponsored meeting. The Organizing Committee should remember that the Bulletin is a quarterly publication. Announcements are in principle made upon request of the Organizing Committee and may take the following forms:
  - preliminary announcement (maximum 100 words);
  - call for papers (maximum 500 words);
  - full announcement, including list of sessions, fee, etc. (maximum 500 words).
- (2) Whatever the sponsoring Mode, within two months after the meeting, the Organizing Committee should send to the URSI Secretariat a short report in a form suitable for publication in the URSI Information Bulletin. In order to facilitate and uniformize this publication, the use of Form 4 is recommended.
- (3) When a fixed unconditional grant from URSI is obtained, the Organizing Committee has the choice between two procedures:
  - Asking the URSI Secretariat to send cheques directly payable to the supported scientists. The Secretariat

should be provided with the information necessary to effect payments.

- Asking the URSI Secretariat to pay the granted sum to the Organizing Committee. The latter is responsible for forwarding the funds to the supported scientists. Payments may not exceed the amounts fixed by the ICSU rules. Within two months after the end of the meeting, the Organizing Committee must send detailed accounts of the used funds, including e.g. receipts signed by beneficiaries.

If, for any reason, the supported scientists do not attend the meeting, the relevant sum must be returned to URSI.

(4) When a loan from URSI has been granted, within three months after the end of the meeting, the Organizing Committee must send to the URSI Secretariat detailed certified accounts using Form 5. The Secretariat reserves the right to request any further information, e.g. copies of bills, receipts, etc. After approval of the accounts by the URSI authorities the Secretariat will invite the Organizing Committee to reimburse the loan, with a limitation to the profit.

When the latter exceeds the former, the Organizing Committee is invited to propose a higher reimbursement. It is then entitled to express its wishes as to the affectation of the supplement, e.g.

- to the general reserve of URSI;
- to a future meeting in the same series;
- to the Young Scientists Programme.

Decisions in this matter remain a prerogative of the URSI Board of Officers.

## XXII GENERAL ASSEMBLY OF URSI

The XXII General Assembly of URSI will be held in Tel Aviv, Israel, in 1987. The provisional dates are: 24 August - 4 September.

The URSI Member Committee in Israel, chaired by Dr. J. Shapira, has appointed Kenes, Organizers of Congresses and Special Events Ltd, as the official organizers of the General Assembly.

The address of the Secretariat of the Organizing Committee is as follows:

P.O.B. 50006 Tel Aviv 61500 Israel.

Telephone: 03-654571 Telex: 341171 KENS IL.

## IONOSPHERIC PHYSICS AND RADIOWAVE PROPAGATION

A Conference on the ionosphere and radiowave propagation was held on 11-15 February 1985 at the University of Sydney, Australia. The meeting was co-sponsored by URSI and the Australian Ionospheric Prediction Service (IPS) and organized by Drs David Cole and Leo McNamara.

This was the third such meeting organized by the Ionospheric Prediction Service over the past 10 years and the first to enjoy international sponsorship. It was attended by 100 scientists, engineers and industry representatives from 11 countries.

The Conference consisted of reviews and contributed papers covering new techniques in ionospheric measurement, experimental and theoretical studies, ionospheric models and their applications, forecasting and specification of the ionosphere, and engineering aspects of radio propagation. Copies of the Proceedings of the Conference will be available through IPS and selected reviews will be published in a special issue of Radio Science.

Two discussion sessions were held during the meeting. The first concerned the interest of participants in recommending an international and interdisciplinary Global Ionospheric Study (GIS). The second was a group discussion reviewing progress in understanding the effects of the ionosphere on radiowave propagation and identifying areas for further study.

A short meeting of INAG (URSI Working Group G.1, Ionosonde Network Advisory Group) took place under the chairmanship of Prof. J.A. Gledhill.

D. Cole

## 6TH SYMPOSIUM AND TECHNICAL EXHIBITION ON ELECTROMAGNETIC COMPATIBILITY

The meeting was held in Zurich, Switzerland, from 5 to 7 March 1985. It was organized by the Institute of Communication Technology of the ETH, Zurich under the chairmanship of Dr. T. Dvorak. It was sponsored by the Swiss Electrotechnical Association with the cooperation of URSI, EUREL, CCIR, IEEE EMC Society, the Association of Polish Engineers, etc.

Over 700 participants attended, in addition to 42 exhibitors.

Welcome addresses and talks were given at the Opening Ceremony by Prof. P. Leuthold, President of the Symposium, Mr. R. Trachsel, Director General of the Swiss PTT, Dr. Locher, Honorary Patron of the Symposium, Prof. Cosandry, President of the Council of the Swiss Federal Institute of Technology, Mr. R.C. Kirby, Director of CCIR,

There were 18 sessions with 116 papers. According to the tradition one of the six workshops was under the auspices of URSI with the title "Communications and Electromagnetic Compatibility". Possible contributions to CCIR and CCITT were discussed.

Discussion panels treated "Transient phenomena and their control" (Prof. R. Showers) and "Nuclear electromagnetic pulse and associated effects" (Mr. M. Wik).

A Workshop on Measurements related to the interaction of electromagnetic fields with biological systems was organized before the Opening Meeting by URSI Commission A, with Prof. S. Rosenthal in the chair, and Dr. A.J. Berteaud, Dr. A. Duchene and Dr. F. Keilmann as speakers. URSI Commission A had a business meeting devoted to the preparation of its programme for the Tel Aviv General Assembly in 1987.

On 6 March, the Symposium Prize Award Banquet was held in an old guildhouse at the Münsterhof. After a lengthy discussion the Programme Committee, chaired by Prof. Showers, awarded the first prize to Prof. A.D. Spaulding (USA) for his paper "Locally optimum and sub-optimum detector performance in non-Gaussian 'broadband' and 'narrowband' interference environments"; the second prize to J. Sack and H. Schmeer (FRG) for

"Computer-aided analysis of the RFI voltage generation by small commutator motors"; the third prize to S. Yamazaki, H.Kuronuma and Y. Noguchi (Japan) for "Relation between APD/CRD of automobile ignition noise and resultant TV picture degradation". Citations were given to F.C. Zach (Austria) for "A new pulse width modulation control for line commutated converters minimizing the main harmonic content"; C. Baum (USA) for "Black box bounds" and to B.L. Michielsen (Netherlands) for "A new approach to electromagnetic shielding". An extra citation was given to Dr. Dvorak, the organizer of the symposia since ten years, to whose enthusiasm and energy the series owes so much.

On 8 March, a technical excursion was organized to the factories of Electronic and precision mechanical systems and of High voltage test systems.

F.L.H.M. Stumpers

## ANNOUNCEMENTS OF MEETINGS AND SYMPOSIA

#### SYMPOSIUM ON REMOTE SENSING OVER THE POLAR REGIONS, 1985

This Symposium is being organized by the International Association of Meteorology and Atmospheric Physics (IAMAP) and will be held during the IAMAP-IAPSO Joint Assembly in Honolulu, Hawaii from 5 to 16 August 1985. It is sponsored by the Scientific Committee on Antarctic Research (SCAR) and the IAMAP Polar Meteorology and Radiation Commissions and co-sponsored by URSI and COSPAR. The URSI representative is Dr. D. Gjessing.

The Symposium will review current remote sensing techniques, including observations from satellites and automatic weather stations and the results obtained, providing an improved knowledge of the physical characteristics of the land and ocean surfaces and of the meteorological elements of the polar regions, but will not review data relay or platform location technical problems.

#### The Convenors are:

Dr. E.A. Raschke
Institut für Geophysik und Meteorologie
Kerpenerstrasse 13
D-50000 Köln 41
Federal Republic of Germany

and

Dr. R.J. Renard Department of Meteorology Naval Postgraduate School Monterey, CA 93943 USA.

## 7th EUROPEAN CONFERENCE ON CIRCUIT THEORY AND DESIGN ( ECCTD '85)

The 7th European Conference on Circuit Theory and Design will be held in Prague, Czechoslovakia, from 2 to 6 September 1985. It is being organized by the Institute of Radio Engineering and Electronics of the Czechoslovak Academy of Sciences and

the Faculty of Electrical Engineering of the Technical University in Prague. The Symposium Chairman is Prof. V. Zima.

The Conference will be devoted to all aspects of the theory and design of time-continuous and time-discrete, analog and digital, linear and non-linear, lumped and distributed circuits.

The Conference fee is 110 US dollars.

The address of the Conference Secretariat is as follows:

Institute of Radio Engineering and Electronics Czechoslovak Academy of Sciences Lumumbova 1 182 51 Praha 8, Czechoslovakia.

Telephone: 840 609 Telex: 122646.

## 10TH INTERNATIONAL CONFERENCE ON INFRARED AND MILLIMETER WAVES

This Conference will be held from 9 to 13 December 1985 at the Americana Dutch Resort Hotel located in the Walt Disney World Village, Florida, USA. It is sponsored by URSI and by the IEEE Microwave Theory and Techniques Society. The Conference Chairman is Dr. K.J. Button.

Topics include millimeter and submillimeter wave techniques (devices, materials, sources, receivers, detectors, lasers, etc.) and propagation, gyrotrons, lasers and plasma diagnostics. Abstracts of contributed papers should be submitted before 1 July 1985.

All correspondence should be addressed to:

Dr. K.J. Button M.I.T. Box 72, M.I.T. Branch Cambridge, MA 02139-0901, USA.

Telephone: (617) 253-5561 Telex: 92-1473 TWX 710320-0058.

### 3rd INTERNATIONAL COLLOQUIUM ON SPECTRAL SIGNATURES OF

#### OBJECTS IN REMOTE SENSING 16-20 December 1985

This Colloquium is being organized by the International Society for Photogrammetry and Remote Sensing (ISPRS). It is co-sponsored by several scientific bodies, among which URSI Commission F, and is financially supported by CNES, ESA and INRA. It will take place at the Congress Centre, Hôtel du Golf, in the winter station of Les Arcs located in the French Alps. The Chairman of the meeting is Dr. G. Guyot.

The aim of the Colloquium is to bring together specialists from different fields of study: physicists, agronomists, foresters, hydrogeologists, oceanologists, etc. who are interested in analyzing the relationships between specific properties of a target and its spectral characteristics in different wavelengths from the ultra-violet to microwaves. This type of investigation is an essential preliminary step in all studies regarding remote sensing. The presentations will include the following topics:

- Modelization: physical models of the interaction of electromagnetic radiation with natural surfaces, remote sensing measurement models and their inversion, energy and water transfer models between the Earth's surface and the atmosphere, use of multispectral data.
- New methods in remote sensing: use of high spectral resolution from visible to microwaves, active remote sensing in short wavelengths (lidar).
- 3. Data calibration: atmospheric corrections, satellite and ground level sensor calibration.
- 4. Standardization of radiometric measurements and target characteristics.

The Colloquium will include an international exhibition of equipment used for radiometric measurements, ground truth studies and remote sensing data interpretation. The European Space Agency intends to organize a specialized meeting on the satellite ERS1 just before the Colloquium.

Summaries of proposed papers should be submitted before 15 June 1985. The registration fee amounts to 1000 FF (1200 FF after 15 October) for regular participants and to 200 FF for

accompanying persons and students.

All correspondence should be addressed to:

Mr. G. Guyot or Mr. M. Verbrugghe INRA Bioclimatologie B.P. 91 F-84140 Montfavet (France)

Telephone: (90) 889 145

Telex: 432 870 F

## 1986 INTERNATIONAL ZURICH SEMINAR ON DIGITAL

#### COMMUNICATIONS

New Directions in Switching and Networks 11-13 March 1986

This Seminar is being organized by the IEEE Switzerland Chapter on Digital Communication Systems, in cooperation with several international and European societies, the Swiss Institute of Technology (ETHZ) and the Ecole Polytechnique Fédérale, Lausanne (EPFL).

The 1986 Seminar will not be a conference for the presentation of descriptions of commercially available communication systems, but a forum for promoting the exchange of the new concepts and ideas now being pursued in research and advanced development laboratories.

The topics will include:

- 1. New hardware and software technologies
- 2. User needs
- 3. New architectures
- 4. Tools.

To enhance the intelligibility of the papers that will follow, the presentations in each of the major areas will begin with an overview presentation by a well known and effective lecturer.

The deadline for the submission of papers is 30 August 1985. They will be reviewed by the Technical Programme Committee and authors will be notified of their acceptance or rejection by 20 October 1985.

The Conference language for all papers and presentations is English.

The address for submission of the papers and/or for general enquiries is as follows:

Secretariat '86 IZS Dr. R. Hartmann Zellweger-Uster AG 8634 Hombrechtikon, Switzerland. Telephone: (41) 55 41 61 11.

## 8th INTERNATIONAL WROCŁAW SYMPOSIUM ON ELECTROMAGNETIC COMPATIBILITY

This Symposium will be held in Wrocław, Poland, from 24 to 26 June 1986. It is being organized, under the auspices of the Committee of Electronics and Telecommunication of the Polish Academy of Sciences, by the Association of Polish Electrical Engineers, the Wrocław Technical University and the Institute of Telecommunications, and with the cooperation of URSI, CCIR, CCITT, IEC, CISPR, etc. The Chairman of the Symposium Council is Prof. A. Smolinski and the Chairman of the Scientific Programme Committee is Prof. F.L. Stumpers.

The programme will include the following broad topics: Systems EMC; Equipment EMC; Spectrum utilization; Bioeffects of EM radiation; Radiation hazards; EM noise sources; Measurement technology and spectrum monitoring; Antennas and propagation; EMC standards; ESD, lightning and EMP; EMC aspects of new concepts; Computer aided EMC analysis and design.

The deadline for the submission of 50-75 word abstracts and of 500-750 word summaries is 15 August 1985. Notification of acceptance will be made by 15 October 1985.

For more information, contact:

Dr. W. Waszkis EMC Symposium Box 2141 51645 Wrocław 12 Poland.

## URSI INTERNATIONAL SYMPOSIUM ON ELECTROMAGNETIC THEORY

The 1986 URSI International Symposium on Electromagnetic Theory will be held in Budapest, Hungary, from 25 to 29 August. The 8th MICROCOLL, which is announced elsewhere in this issue, will take place at the same dates and in the same building. The Organizing Committee is chaired by Prof. T. Berceli and includes Dr. I. Bozsoki, Prof. G. Fodor and Drs Sz. Marko and G. Reiter.

The Symposium will be devoted to all aspects of electromagnetic fields and waves. The following topics may be included; field analysis and numerical methods, scattering and diffraction, antennas, guided waves (waveguides, open structures, etc.) transient phenomena, random media, inverse scattering, fields in biological media. The Technical Programme Committee is chaired by Prof. J. Bach Andersen, and the Vice-Chairman is Prof. T.B.A. Senior.

Papers are solicited describing original and recent work in selected topics or on any other related with electromagnetic fields and waves. Authors are requested to submit the title and a 50-line abstract in English before 15 October 1985. The abstract should clearly explain the contribution and relative importance of the proposed paper. Notice of acceptance or rejection will be mailed to authors before 31 January 1986.

All correspondence should be directed to the Chairman of the URSI International Symposium:

Prof. T. Berceli Research Institute for Telecommunication 1525 Budapest 114, POB 15 Hungary Telex: 22-4338.

#### 8th COLLOQUIUM ON MICROWAVE COMMUNICATION

The 8th MICROCOLL will be held in Budapest, Hungary, from 25 to 29 August 1986, at the same time and in the same building as the URSI International Symposium on Electromagnetic Theory.

The 8th MICROCOLL will not include sessions on electromagnetic theory and antennas.

It is a continuation of a series of international colloquia on theoretical and practical aspects of systems and circuits with emphasis on microwave communication and based on information theory, network theory and computer-aided design. The following topics may be included in the programme: trends in communication systems, informatics and signal processing, network theory and computer-aided design, microwave circuits and devices.

The Colloquium is sponsored by URSI and by the Hungarian Academy of Sciences. It is organized by the Scientific Society for Telecommunication and the Research Institute for Telecommunication of Hungary. The Colloquium Chairman is Prof. G.Bognar.

Intending participants are requested to complete preliminary registration formalities before 15 October 1985. Intending authors should submit, before the same date, 4 copies of a 500-word synopsis appropriate for evaluation by reviewing members of the international Organizing Committee. All papers should be in English.

All correspondence should be directed to:

Secretariat of the 8th MICROCOLL POB 15 H-1525 Budapest 114 Hungary Telex: 22-4338.

#### WORKSHOP ON THE INTERNATIONAL REFERENCE IONOSPHERE

This Workshop will be held from 28 to 31 October 1985 at the Université Catholique de Louvain, Louvain-la-Neuve, Belgium It is being organized by the URSI-COSPAR Task Group on the IRI.

Its main objective is to formulate improved approaches to the construction of the  $\ensuremath{\operatorname{IRI}}_{\:\raisebox{1pt}{\text{\circle*{1.5}}}}$ 

Authors wishing to present papers should submit abstracts to:

Dr. Y.V. Ramanamurty National Physical Laboratory Hillside Road New Delhi, 110012 India.

Reservations for accommodation should be made without delay by applying to:

IRI Workshop Institut d'Aéronomie Spatiale 3 avenue Circulaire B-1180 Bruxelles, Belgium Telephone: (32) 2 374 27 28 Telex: 21563 espace b.

#### INTERNATIONAL SYMPOSIUM ON ANTENNAS - JINA' 86

This Symposium is being organized by the CNET-PAB Centre de la Turbie, SEE, CNFRS, and the French Section of IEEE. It will be held from 4 to 6 November 1986 in Nice, France. The Chairman of the Technical Programme Committee is M. D. Lombard.

The suggested topics are:

- 1. EM theory applied to antennas
- 2. Reflector and lens antennas
- 3. Antenna measurement techniques
- 4. Antenna arrays
- 5. Signal processing antennas
- 6. Antennas for industrial and medical applications.

The timetable for submission of papers is as follows:

- Deadline for submission of summaries 3/15/86 - Notification of accepted papers 4/30/86

- Deadline for submission of completed papers 7/31/86

The working languages will be French and English and simultaneous translation will be provided.

For further information, contact:

Secrétariat JINA '86 CNET-PAB Centre de la Turbie F-06320 Cap d'Ail, France. Telephone: (33) 93 41 15 30.

## URSI Accounts 1984

In accordance with the recommendation of the URSI Standing Finance Committee, the practice of publishing the accounts of the Union annually in the URSI Information Bulletin is being continued.

The Balance Sheet and the Income and Expenditure Accounts of URSI for the year ended 31 December 1984 are reproduced below. The original accounts have been audited by Bureau Rahier S.C. Experts Comptables, Brussels.

The assets held in Belgian francs have been converted to US dollars using the UNESCO exchange rate valid at 31 December 1984 (\$1 = 61.50 BF).

## INTERNATIONAL UNION OF RADIO SCIENCE (U.R.S.I.)

BALANCE	SHEET	:	31	DECEMBER	1984

ASSEIS	° S	\$
Bank_Balances :		
Dollars :		
551.000 - Banque Degroof (restricted) 551.001 - Banque Degroof (Free) 551.100 - First National City Bank 551.400 - Bank of America	9.968,53 1.658,84 - 3,99 23.747,42	75 770 00
Belgian_Erancs :		35.370.80
550.100 - Banque Degroof 550.200 - Société Générale de Banque	8.443,67 244,39	8.688,06
Italian_lires :		
551.500 - Cassa di Risparmio		: 6.487,08
Investments:		
551.300 - Merrill Lynch R.A. Fund 512.102 - Rorento Units 512.100 - Merrill Lynch Shares 513.000 - Bank Deposit (3 months)	62.686,09 92.839,40 50.000,00 16.260,16	221.785,65
Petty_Cash_and_Stamps :		
570.100 - Petty Cash 570.200 - Stamps	42,60 18,31	60,91
Sundry Debers	141	247.15
286.000 - Deposit RTT		247,15
Total Assets :		272.639,65
427.010 - IUCAF 427.030 - IUWDS	7.642.21 1.881.29	
489.300 - Pension Fund 427.000 - Balth van der Pol Medal Fund 427.040 - Bureau Rahier	9.523,50 5.665,07 10.330,49 731,71	24 250 37
NET TOTAL OF URSI A		26.250,77  246.388.88
		========

BALANCE SHEET : 31 DECEMBER 1984

Tha	-0+	HOCT	Annat -	200	represented b	•
ine	net	UK21	ASSETS	are	represented b	v :

Reserve\_Eund :

120.000 - General 25.000.00 121.000 - Closure of Secretariat 66.788,58

91.788,58

Scientific\_Activities\_Eund:

489.000 - Scientific Activities in 1985 46.300,00 427.020 - Young scientists in 1985 2.000,00

48.300,00

489.200 - XXII General Assembly Fund:

Scientific 58.300,00
Organization 33.000,00
Young Scientists 8.000,00

99.300,00

489.100 - Unallocated

7.000,30 -----246.388,88

## Income and Expenditure Account ended 31 DECEMBER 1984.

Income :	\$	\$
700.000 - Sale of publications 740.000 - Contributions from Member Com 740.100 - Allocations : from UNESCO - I from ITALIAN CO	CSU	421,80 138.298,24 19.435,00 11.500,00
741.000 - Miscellaneous income		27,28
Interest_and_dividends (net) 754.000 - Belgian francs 754.100 - US Dollars	358,62 10.034,14	10.392,76
Total inc	ome	180.075,08
Expenditure :		
a)Scientific_Activities :		
601.500 - Meetings, Symposia, etc		
BB113B5 Hocernage, Symposia, Scott,		
COSPAR	3.500,00	7
IMS	500,00	•
IR and MM Waves	1.000,00	
MAP Workshop	1.500,00	
Wave Prop. and Rem. Sensing	1.500.00	
RADIO Astro. Granada	2.000.00	
WROCLAW Symp.Electr.		
Compatibility	1.000,00	
		11.000,00
601.600 - Subventions : FAGS	2.000,00	
IUCAF	1.250,00	
SCOSTEP	1.000,00	
INAG	525,00	
		4,775,00
XXI_Genecal_Assembly :		300
602.000 - Scientific expenses	43.857,87	
602.010 - Administrative expenses	20.504,77	
602.020 - Printing expenses	14.063,20	
602.030 - Young scientists	10.713,36	
		89.139,20
615.111 - Scientific Travel	591,66	
615.113 - Representation of URSI	443,96	
		1.035,62

Total expenditure: Scientific Activities 105.949,82

Income_and_Expenditure_Account_ended_31_december_1984			
Expenditur	g (suite)	\$	\$
b) Publica	ation		
602.300	) - Printing URSI Bull. (nb 226	to 231)	7.620,52
000,000	2 77 111 2111 2111 2111 2111	(0 251)	1.020,32
c) ICSU_du	168 :		
613.900 -	for 1983		2.967,00
d) Adminis	stration :		
620.201 -	Salaries and pensions (incl.So	c.Sec.)	32.515,61
	Office_Expenses :		
	Rent, Light, Heating	1.951,22	
	Secretariat	142,85	
	Stationery, Office Supplies Office equipment	357,06 145,02	
612.510 -		1.244,99	
612.520 -		865,50	
	Social and accounting fees	4.313,53	
613.350 -	Bank Charges	1.274,69	
	Insurances	2.654,62	
	Entertainment	309,37	
	Miscellaneous Administrative Travel	99,97	
	Difference of exchange	2.628,55 5.750,15	
730.000	billion of exchange		21.737,52
	Total expenditure : Administra	tion	54.253.13
	Total expenditure		170.790,47
	Excess of income over expendit	ure	9.284,61
100			180.075,08
Balance in	hand on 1 january 1984 :		244.786.60
Excess on	income over expenditure to 31	december 1984	9.284,61
Loss on Be	lgian Francs		-7.682.33
Balance in	hand on 31 december 1984		246.388,88
Bates_of_e	xchange:		4
	1 january 1984 : \$ 1 = 5	5.00 BF	
	31 december 1984 ' \$1 = 6		

31 december 1984 : \$ 1 = 61,50 BF

# Names and Addresses of URSI Officers AND Officers of Member Committees

The amendments listed below refer to pages 34-84 of *URSI Information Bulletin* No 231 (December 1984). A full list of names and addresses will be published in the December 1985 issue. Member Committees are invited to notify the URSI Secretariat before 15 November 1985 of any amendments to the information given in Bulletin No 231 and the present Bulletin.

### 1. URSI STANDING COMMITTEES

URSI-CCIR-CCITT Liaison Committee

Commission B: Prof. P.J.B. Clarricoats (UK)

## 2. URSI COMMISSIONS

#### Commission A

China CIE (Beijing): Dr. Shiqiong Qiao

Ireland: Prof. B.K.P. Scaife

USA: Dr. N.S. Nahman

<u>Working Group on Measurements Related to the Interaction of Electromagnetic Fields with Biological Systems</u>

Prof. J. Bach Andersen, Chairman, Commission B (ex officio)

#### Commission B

China CIE (Beijing): Dr. Hongjia Huang

Ireland: Prof. B.K.P. Scaife

South Africa: Prof. J.H. Cloete

USA: Dr. A. Ishimaru

#### Commission C

Brazil: Dr. Max H.M. Costa

China CIE (Beijing): Dr. Youshou Wu

China SRS (Taipei): Dr. Shyue-Ching Lu

Ireland: Prof. J.O. Scanlan

South Africa: Prof. G.J. Kühn

USA: Dr. J.W. Schwartz

#### Commission D

China CIE (Beijing): Dr. Shoujue Wang

Ireland: Prof. W.D. Ryan

South Africa: Prof. J.S. Vermaak

## Commission E

China CIE (Beijing): Dr. Haoming Shen

Ireland: Prof. J.O. Scanlan

Portugal: Ing. J.J. de Sousa Marques

USA: Dr. J.M. Morris

## Working Groups

Natural Noise - Chairman: Dr. J. Hamelin

Scientific Basis of Noise and Interference Control - Chairman: Dr. C.E. Baum

Effects of Transients - Chairman: Dr. V. Scuka

## Commission F

China CIE (Beijing): Dr. Zong Sha

China SRS (Taipei): Dr. Chi-Fu Den

Ireland: Mr. K. O'Connell

Portugal: Prof. J.S. Neves

USA: Prof. R.K. Moore

## Commission G

China CIE (Beijing): Dr. Huegin Huang

Ireland: Prof. M.C. Sexton

USA: Dr. J.C. Yeh

## Commission H

China CIE (Beijing): Dr. Xunjie Zhang

Ireland: Prof. M.C. Sexton

USA: Dr. K.J. Harker

## Inter-Union Working Groups (URSI/IAGA)

Passive Electromagnetic Probing of the Magnetosphere - Co-chairman for Commission H: Dr. U. Inan (USA)

Wave Instabilities in Plasmas - Co-chairman for Commission H: Dr. T. Sato (Japan)

#### Commission J

China CIE (Beijing): Dr. Shengyin Wu

China SRS (Taipei): Prof. Nan-Hung Kuo

USA: Prof. W.J. Welch

## 3. URSI REPRESENTATIVES ON OTHER ORGANIZATIONS

IUWDS Steering Committee: Dr. L. McNamara (Australia)

MAP Steering Committee: Dr. R.A. Vincent (Australia)

### 4. URSI MEMBER COMMITTEES

#### Brazil

President: Dr. A.B. Carleial Secretary: Prof. P. Kaufmann

## China SRS (Taipei)

President: Mr. Yu-Kai Chen Secretary: Dr. Yinn-Nien Huang

## South Africa

President: Dr. G. Heymann Secretary: Miss G.U. Schirge

#### Sweden

President: Dr. T. Stockflet Jørgensen

#### <u>USA</u>

President: Prof. R.K. Crane Secretary: Prof. Ch. M. Butler

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