



**Journal Title:** Telecommunication Journal

**Journal Issue:** vol. 49 (no. 4), 1982

**Article Title:** XVth Plenary Assembly

**Page number(s):** pp. 208-209

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(ITU) للاتصالات الدولي الاتحاد في والمحفوظات المكتبة قسم أجراه الضوئي بالمسح تصوير نتاج (PDF) الإلكترونية النسخة هذه والمحفوظات المكتبة قسم في المتوفرة الوثائق ضمن أصلية ورقية وثيقة من نقلاً.

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# Union Activities

## President Marcos of the Philippines receives ITU Secretary-General

On 8 February 1982 President Ferdinand Marcos of the Philippines received the visit of Mr. M. Mili, Secretary-General of ITU, Mr. L. Burtz, Director of the International Telegraph and Telephone Consultative Committee and officers of the Plan Committee for Asia and Oceania.

The visit took place on the occasion of a meeting of the Plan Committee held in Manila from 3 to 10 February.



Our photograph shows: (seated at right) President Marcos; (standing from left to right) Mr. José P. Dans, Jr., Minister of Telecommunications; General Ceferino S. Carreon, Commissioner, National Telecommunications Commission; Mr. Antonio C. Barreiro, Deputy Commissioner; (seated from right to left) Mr. M. Mili, Secretary-General of ITU; Mr. Euan E. Smith, UNDP Resident Representative in Manila; Mr. Léon Burtz, Director, CCITT. With back to camera (right to left) are Mr. Cesar Virata, Prime Minister and Mr. A. M. Al Sabeg, Chairman of the Asia and Oceania Plan Committee

- a consolidated Report on teletext systems\* used throughout the world;
- Recommendations concerning a digital selective calling system for maritime communications, as well as automated radiotelephone systems for maritime communications;
- a series of Reports concerning maritime satellite services (including emergency position indicating radio beacons using satellites);
- numerous texts on the utilization of satellites for broadcasting and other communication purposes;
- a major publication on satellite broadcasting systems;
- a Report on low-capacity earth stations and associated satellite systems of special importance to the developing countries;
- detailed studies on frequency sharing questions throughout the radio-frequency spectrum.

Additionally, handbooks on spectrum management and monitoring using computer techniques and on the fixed-satellite service are nearing completion.

Approval of these results will facilitate and improve the operation of various radio services throughout the world.

Among the three major Committees that were formed to carry out the work of the Assembly, a special Technical Co-operation Committee, chaired by Mr. H. Balduino (Brazil), deliberated on assistance by the CCIR to developing countries, so that they can make the best use of the technical information included in the CCIR documents, and on how the active co-operation in CCIR work by the administrations of those countries can be fostered.

The Organizational Committee of the Assembly, chaired by Mr. N. Morishima (Japan), reviewed the methods of the work of the CCIR and introduced some important improvements in this work. In particular, it set forth precise organizational principles of the preparatory work for the forthcoming administrative radio conferences in which the CCIR is now heavily involved—to cite only some of the most important:

- the Regional Administrative Conference for FM sound broadcasting in the VHF band in Region 1 and certain countries in Region 3 (first session, Geneva, August-September 1982);

\* Systems intended to transmit textual or graphical information by means of the television broadcasting networks.

## CCIR News

### XVth Plenary Assembly

The XVth Plenary Assembly of the International Radio Consultative Committee was held in the Geneva International Conference Centre from 15 to 26 February 1982. Three hundred and ninety three delegates, representing 77 countries and representatives of 16 international organizations and 10 recognized private operating agencies attended.

The Assembly was chaired by Mr. E. J. Wilkinson, Australia. Messrs. A. Badalov (USSR), W. Bellchambers (United Kingdom), G. Huffcutt (United States) and E. Kamdem-Kamga (Cameroon) were elected as Vice-Chairmen.

The Final meetings of the 13 CCIR Study Groups held in the latter part of 1981 prepared the technical documents which were submitted for consideration by the Plenary Assembly. An important

part of the work of the Assembly was the examination and approval of these documents. Amongst the most important results of the CCIR studies during the study period between the XIVth and XVth Plenary Assemblies, the following should be cited:

- first Recommendation on a worldwide uniform standard concerning the coding parameters for digital television studio equipment;



- the World Administrative Radio Conference for mobile telecommunications (Geneva, February-March 1983);
- the Regional Administrative Radio Conference for the planning of the broadcasting satellite service in Region 2 (June-July 1983);
- the World Administrative Radio Conference for the planning of HF bands allocated to the broadcasting service (first session, January-February 1984).

Both these and later conferences require a considerable amount of preparatory work, so that even a relatively distant conference, such as the World Administrative Radio Conference on the use of the geostationary satellite orbit, the first session of which is planned for July-August 1985, and the second session in September-October 1987, are already being prepared and many CCIR experts from all over the world are engaged in this preparatory work.

A more detailed article on the results of the XVth Plenary Assembly by Mr. Richard C. Kirby, Director, CCIR, will be published in a forthcoming issue of the *Telecommunication Journal*.

## CCITT News

### Editing Group for the "Directives"

According to the decision taken by the VIIth Plenary Assembly of the CCITT, the existing "Directives concerning the protection of telecommunication lines against harmful effects from electricity lines" are to be replaced by a series of handbooks dealing with the subject of the Directives in a more practical way, using all findings and experiences described in the existing Directives as well as new relevant results.

Study Group V (Protection against dangers and disturbances of electromagnetic origin) has allocated this task to Working Group GRD (Directives Editing Group), formerly responsible for updating the Directives. A meeting of the Editing Group was held from 11 to 13 November 1981. The work will be carried out in close co-operation with the International Conference on Large High Voltage Electric Systems (CIGRE) and the International Union of Railways (UIC). Both international bodies support this project

and have announced their contribution. As preliminarily agreed the series of handbooks will consist of nine volumes, each of them being allocated to a Sub-Working Group. Volume 7 is split into two parts, 7A and 7B, in order to facilitate the co-operation with CIGRE and UIC. At its second meeting, GRD established a tentative table of contents of all handbooks except Volume 7. In order to familiarize the reader with the scope of the different handbooks, the tentative table of contents is given below:

#### Volume 1—Definitions and symbols

1. Introduction
2. Definitions
3. Symbols

#### Volume 2—Design, construction and operating principles

1. Introduction—General
2. Power production, transmission and distribution installations
3. Electric traction networks and installations
4. Telecommunication networks and installations

#### Volume 3—Danger and interference

1. Introduction
2. Physiological effects of voltages and currents and safe operating procedures
3. Conditions which may result in danger to equipment
4. Conditions which may result in interference
5. Permissible voltage and current levels
6. Permissible interference levels

#### Volume 4—Calculating the effects of electromagnetic fields

1. General
2. General method for calculating the effects of electromagnetic induction
3. Calculations concerning the induction effects from different types of power supply systems

#### Volume 5—Safety precautions and protective measures

1. Introduction
2. Possible cases of danger and interference
3. Assignment of protective measures to different cases of danger and interference (Table)
4. Protective measures applied on the telecommunication side
5. Measures applied on the power side to reduce danger and interference
6. Safety precautions for staff working on telecommunication lines in which high voltages may be induced by neighbouring electricity lines

#### Volume 6—Theory of electrostatic and electromagnetic coupling

1. Mathematical background
2. Coupling by electric induction

3. Coupling by magnetic induction
4. Conductive coupling
5. Compensating effects of earthed conductors
6. Voltages and currents resulting from coupling

#### Volume 8—Protective devices

1. General
2. Simple parallel devices for over-voltage protection
3. Simple series devices for over-current protection
4. Over-voltage protection devices which do not produce interruption of service
5. Devices for reducing interference

#### Volume 9—Test and measuring apparatus and methods

1. Introduction
2. Measuring apparatus
3. Measuring methods
4. Bibliography (including standards of other organizations)

It is intended to conclude the work during the next study period.

## Tenth ITU Seminar held by the ITU Association of Japan

The ITU Association of Japan, Inc. held its tenth ITU Seminar (Fundamental Course) for four consecutive days from 8 to 11 December 1981 at the Kokusai Denshin Denwa (KDD) Shinjuku Hall, Tokyo.

The number of participants in this seminar, including those from the Ministry of Posts and Telecommunications, Nippon Telegraph and Telephone Public Corporation, KDD and other enterprises, was 60, exceeding the originally scheduled number of 50.

Although some of the lecturers were newly assigned, all of them were authorities in their specialized fields—a fact which was highly appreciated by the participants.

It is worthy of note that Mr. Cho Tei Gen, Doctor of Laws and the president of the graduate school of Kwang Woon University, Republic of Korea, participated in this seminar as one of the listeners.

The programme of the seminar was as follows:

*Various problems confronting the International Telecommunication Union, and comments on international telecommunications policy*, by Toro Arizono, Assist-