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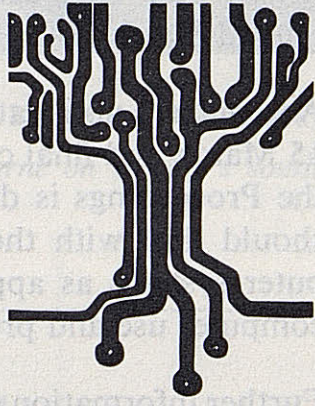


name of expert	country of origin	speciality	country of assignment	period of contract and programme*	departure return
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\* UNDP = United Nations Development Programme  
FT = Funds-in-Trust  
Associate expert = Mission financed by the associate expert's national government under an agreement between that government and the ITU for the provision of associate experts

World  
Telecommunication Day  
1977

“Telecommunication  
and development”



The United Nations Development Programme (UNDP), with which the ITU collaborates as the agency responsible for the execution of numerous telecommunication projects, has associated itself with the Union with a view to joint action on 17 May 1977.

In connection with the 1975 World Telecommunication Day, the theme of which was “Telecommunication and meteorology” the World Meteorological Organization (WMO) co-operated with the ITU, while this year the United Nations Educational, Scientific and Cultural Organization (UNESCO) joined the Union in celebrating the Day on the theme “Telecommunication and mass media”.

Early in 1977, as in previous years, documentation on written, visual and recorded information will be distributed to telecommunication administrations and to the press agencies which request it.

At its 31st Session, the ITU Administrative Council invited Member countries to celebrate the 9th World Telecommunication Day (17 May 1977), for which the theme “Telecommunication and development” had been adopted.

The poster which will be distributed in this connection—and which is reproduced here—

symbolizes the part played by telecommunications in economic and social development: the tree of electronics grows because of the international co-operation in which it is rooted.

This co-operation, which Members of the Union have been practising for almost 112 years, benefits the whole of mankind.

**conferences  
or meetings  
external  
to the ITU**

**IEC Working Groups**

Seventeen delegates of the International Electrotechnical Commission (IEC) recently met near Cambridge, United Kingdom, as IEC Working Groups 1 and 6 to discuss crystal parameter measurements and the international standardization of crystal units.

As a result of these discussions a number of major proposals will be put forward for consideration and ratification at the next full IEC Committee planned for September 1977. Included in these is the confirmation

of IEC 444 as a practical standard measuring procedure for the main crystal parameters. Working Group 6 also proposed the extension of IEC 444 to cover the motional parameters of inductance and capacitance.

Working Group 6 agreed to the investigation by the delegates from Philips, Netherlands, who proposed a method of determining the phase angle of the resistor associated with the calibration of the reference resistor network used in the IEC 444 test circuit. Likewise the group agreed that the United Kingdom Royal Aircraft Establishment and Cathodeon Crystals Limited, who hosted the meeting, should prepare a paper for international discussion on the problem of the measurement of the input capacitance of the test circuit when the crystal is not in the standard series resonance mode.

Working Group 1 spent some part of the time rewriting the IEC Guide to the use of quartz crystals—now over ten years old. This draft will now be presented for international acceptance.—*Cathodeon Crystals.*

**Frequency  
Control Symposium**

The 31st Annual Frequency Control Symposium, sponsored by the United States Army Electronics Command, is scheduled for 1, 2 and 3 June 1977 at the Howard Johnson's Regency Hotel, Atlantic City, New Jersey.

Authors have been invited to submit papers, before 21 January 1977, dealing with recent progress in research, development and applications in areas represented by the following topics: fundamental properties of natural and synthetic piezo-electric crystals; theory and design of piezo-electric resonators; resonator processing techniques; filters; surface wave devices; quartz crystal oscillators and frequency control circuitry; atomic and molecular frequency standards; laser frequency standards; frequency and time co-ordination and distribution; radio and systems applications of frequency control devices; specifications and measurements.