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Summaries and Notices

Summaries

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Problems with Echo in Telephone Circuits

F. Nüsseler, Berne

Disturbing echos are noticeable on long distance telephone connections. Echo suppressors are used to overcome this effect on long time delay circuits. The article treats related problems.

p. 191...198

Tinning of Aluminium and Soft Soldering by Lead Sleeve on Aluminium Coverings

T. Staub, Berne

Problems related to tinning of aluminium cable coverings of type ALU and ALUW and soldering by lead sleeve are discussed. Besides, it is shown how possible sources of errors can be determined by practical operational experience and laboratory investigations. This will lead to ways and means of improvements in the methods of tinning and soldering.

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Development of a switchable Microwave Bandpass Filter in the Frequency Region of 1 to 18 GHz

B. Eicher, Berne, and H. Benedickter, Zurich

The switchable bandpass filter serves to attenuate the harmonics and subharmonics of microwave wideband sweep generators. The measurement error resulting from unwanted spurious frequencies is considerably reduced during measurement of amplitude response with diode detectors. The filter is designed with individual strip line bandpass filters, which are tapped with the help of PIN diodes. A frequency reference voltage of the sweep generator is required to control the filter, and in addition computer-controlled operation with IEEE-488 bus is also possible.

p. 207...211

The ITU Plenipotentiary Conference in Nairobi

G. Dupuis, Berne

The 12th Plenipotentiary Conference of the International Telecommunication Union was held in Nairobi from the end of September to the beginning of November 1982. The conference dealt with the revision of the International Telecommunication Convention started in 1973, telecommunications developments especially in developing countries, the election of 41 member countries to the enlarged Administrative Council, the election of the Secretary General and his Deputy as well as with financial matters (budget till 1989, personnel, unit class of contribution) among others. The debates were strongly politicizing many questions and suffered from the tensions between developed and developing countries.

News Items

Telephone

In future, the **public telephone booths** having special facilities for **wheelchairs, hearing impairments and telescrit** will be entered in the telephone directories. The inland enquiries No 111 will provide information on the location of such booths.

A **new method** simplifies and improves the service for the telephone subscriber who moves to **another telecommunications district.** He does no more need to give notice of termination at his old place nor sign a new subscriber contract at the new residence.

The most important **PTT dialled call services** in 1982 compare to the previous year as follows: Inland information (+7 pc), call barring and diversion (+1.7 pc), international manual (−16.3 pc), international information (+6.1 pc), mechanized information (−4.9 pc), automatic alarm-call (+13.8 pc).

In the first quarter of 1983 the PTT procured new equipment and extension facilities for the telephone exchanges for a capacity of **20 563 new stations.**

In March and April, 353 additional telephone circuits to different **European countries** were opened as well as 17 circuits to **overseas** via satellite.

Teleinformatics

Complaints concerning unsatisfactory **telegram service** decreased by 21 pc in the inland traffic and by 13 pc in the international in 1982.

The **Datex-300** operational trial has been extended for one more year although it was to be terminated on the 31st March 1983.

Radio, Television

The **technical feeding concept for a broadcast satellite "HELVESAT"** was recently outlined by the PTT General Director, *R. Trachsel,* on the occasion of a speech. As the 5 TV satellite channels are probably offered to more than one interested party, the PTT is looking for a solution by combining several different programmes of national origin and by transmitting them via "HELVESAT". The PTT radio-relay station "Jungfraujoch" as a centre could collect the different programmes and then transmit them to Leuk earth station for broadcasting via "HELVESAT".

On 15 April 1983, the **Natel** (national carphone service) parallel regional network B 4 was put into operation in Sankt Gallen. Thus, the Swiss Natel B network is now completed.

A further **VHF simplex relay** for radiophone service between fixed and mobile stations came into operation at **Zurich-Milchbuck**. In all Switzerland, 47 such relay stations are now employed.