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Summaries and Notices

Summaries

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New T + T Connection Box

P. Günter, Berne

Specification for new T+T (Telephone and Telegraph) connection box between telecommunications terminal and the public telephone network was prepared in 1975. Four basic designs were approved with 6- and 12-pin plug and socket connections as well as fixed connections to meet specified requirements. Good performances were obtained during test period. These connection boxes are expected to be gradually introduced in all new installations.

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Indicator and Crew Alarm System

A. Koller, Berne

The users' requirements asked for a new generation of indicator and crew alarm systems. A completely electronic, microprocessor-controlled system has been developed according to the latest know-how. The equipment can be adapted to the users' needs due to modular construction. The author describes the individual modules as well as their assembly.

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Integrated Optical Receiver

Hp. Herren, Berne

Important aspects of the development and the integrated technology of an optical receiver as well as the fabrication process of the thin-film circuit are described.

News Items

Telephone

Last year's **average telephone use in Switzerland**, calculated on the basis of 6.31 million population, was 183.8 local calls, 147.6 national long-distance calls and 25.4 international calls.

Switzerland's **outgoing international calls** last year totalled 415.97 (1978: 364.97) million chargeable minutes, of which 97.7 pc (1978: 96.3 pc) were subscriber dialled.

The **Inland Information Service, telephone No 111**, handled more than 43 million enquiry calls in 1979, an increase of 9.7 pc over the previous year. This growth is due to rapid information access (Terco) and an extension in services offered.

Telegraph, Telex

International public facsimile service was extended to **Australia** on 4 March.

The **12 MHz coaxial cable link** between **Basle-Wallstrasse** and **Zurich-Selnau** was equipped with a **data-over-voice system** in mid-March. Besides its 2700 analogue telephone channels, the link can now accommodate data transmission at a transparent rate of 2048 kbit/s in the hitherto unused top band of 13.6 to 15.1 MHz.

Miscellaneous

During the night of 18/19 March, Switzerland's so far largest single **cutover operation** took place at the **Zurich-Hottingen** and **Zurich-Riedtli** local exchanges. It involved the transfer of 62,000 subscribers, each with a new, 7-digit number, from 7A equipment commissioned in 1931 and 1946 to modern Pentaconta exchanges.