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Summaries and Notices

Summaries

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The Integrated Telecommunications System (IFS) – status at the beginning of 1986

K. E. Wuhrmann, Berne

The article describes the work conducted under the new project definition of digital exchanges since the cancellation of in-house development. The Integrated Digital Network (IDN) is designated as IFS in Switzerland. The principles of modular extensions were laid down besides the newly worked out implementation plan. The three selected digital exchanges require adjustments to buildings and to their infrastructure. The operating concepts were made compatible with the three basic systems. The first sets of equipment were ordered and the tasks of their acceptances were undertaken. The article provides an overview on the results obtained during the last two years.

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Credit card authorization terminal

P. Kilchhofer, Berne

The article presents four large credit card organizations and their operating conditions for an authorization terminal. The article treats the block diagram, installation procedures, testing possibilities and initialization of the device as well as the operational use. The set AT-KK Zurich is a product of the Tritel group.

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Radio telephone networks for postal coach services – the operating system Rancos

A. Frank, Berne and P. Streich, Baden

The PTT's automobile division equipped two postal coach routes with a radio telephone system in 1969. The purpose was to examine the possibility of rationalization in postal coach operation and of improvements in customer services. Due to positive outcome, it was decided to gradually install the radio telephone networks in further important routes. Because of its flexibility the radio operating system Rancos from Brown Boveri Co can be implemented with modular units for the rather complex radio networks. Changes and extensions can be carried out smoothly thanks to microprocessor control. The Baden/Brugg network provides an example for realization of such a practical radio system.

News Items

Telephone

Since April the **PTT pollen information service**, introduced in 1984, has again disseminated information over the **telephone No. 162**. This service will remain open till the end of July. The pollen prognosis allows to take precautions against allergy in time.

The introduction of the definitive **Terco** (telephone rationalization with computer) **stage 2.1 (subscriber service)** was carried through during the first four months of this year at several PTT regional telecommunication directorates (Fribourg, St. Gallen, Chur, Berne) as well as at several operating offices of the PTT general directorate.

At the end of 1985, the Swiss **telephone network** consisted of 104,667 interoffice circuits, 84,237 junction circuits, 53,218 trunk circuits, 18,656 international circuits and 2312 international transit circuits.

Data links via satellite were established between USA-Adligenswil (128 kbit/s) and between USA-Leuk-Adligenswil (56 kbit/s) for **publication of a newspaper in remote typesetting**.

Additional satellite circuits were opened over Leuk earth station: Singapore (1), Canada (2), and Hongkong (2).

Teleinformatics

On May 10, the **Ateco** (automatic telegram switching by computer) **system** completed its **15th year** of operation. The magnetic tape unit, the printer and the mass storage unit were already superseded by new equipment. Several magnetic drums will be replaced in the coming year by semiconductor memories.

On May 1, the PTT introduced **telegrams at reduced charge** which are delivered by mail.

In the near future, the **public videotex service** will possibly be **opened**. The PTT improves and simplifies the search structure incorporated in the system.

Switzerland and France are currently carrying through **technical tests** to open soon their **teletex service**.

Videoconference links were established from Zurich to Lausanne and Geneva during the month of April.

Radio, Television

The **radio transmitting licenses** increased yearly by 8.4 p.c. on average over the last ten years. This corresponds to a rise of 2.2 times that of 1975. The CB licenses rose to 13.7 p.c. and the licensed equipment to 13.1 p.c. at the end of 1985. The radio operator licenses went up by 5.8 p.c. and the licensed transceivers by 12 p.c. The amateur radio licenses increased by 5.7 p.c. At the end of last year, there were 87,702 radio transmitting licenses in circulation and 204,260 licensed transceivers.