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# Summaries and Notices

## Summaries

p. 488...497

### Printing meter «Monoprint» for charge recording

A. Ramjoué, B. Koch, Geneva,  
and B. Mühlethaler, Berne

The charge printer «Monoprint» records on a single telephone line the information on the connection such as date, time, selected number, call duration, call charge, number of charging pulses. It also prints corresponding receipts in German, French and Italian. Because of the possibility of initializing various functions and variables for programming, the charge printer is suited for use in different cases: in public telephone stations of postal exchanges and post offices, for business and personal use as well as for the PTT's internal control. The present article describes the facilities, functional mode, initialization, setup and technology of the new equipment which has been taken into the PTT assortment.

p. 498...501

### Plan of automatic pallet warehouse for telecommunication parts

U. Ramseier, Berne

The main location of the central warehouse for telecommunication parts is to be found in the PTT technical centre at Berne-Ostermundigen. However, more than 50 pc of the total required area is decentralized. An automatic pallet and small sectional warehouse with the motto «goods to man» is an advantageous solution for the reconstruction of this costly operating condition. An underground «dynamic block warehouse» has been proposed to make optimum use of the available space. This will be in operation by 1990.

p. 502...508

### New generation of telex exchanges

P. R. Martin, Berne

The telex exchanges of Hasler T202 type, introduced since 1979, are further developed to the new generation EDW T203. This is no new product but a technical modernization. In particular, the hardware of the exchange and the directly connected peripheral controller have been brought to the latest state of technology. The system concept, software structure and line processors were taken from the T202 exchange. The first ex-

change of the new generation has been in operation since winter 1984/85 in Basel.

p. 509...513

### From attenuation loss planning to transmission loss planning

F. Nüsseler, Berne

The development of attenuation loss planning of the last 35 years is described. This is marked by the improvements such as widening of the frequency band, reduction of attenuation, four-wire connection and transistorized subscriber's set.

## News Items

### Telephone

The PTT ordered further 5000 sets of **cordless telephones Radiotel** to be delivered till the end of 1985. These cordless telephones were introduced at the end of 1984 and so far 7000 sets were handed over.

The operational trial of the **Terco project at the level 2.1 (rationalization of subscriber services with computer)** was successfully completed at the Freiburg regional telecommunications directorate. The pilot operation with real data has just started at the Winterthur directorate.

Just for the meeting of **Reagan/Gorbatschow**, taking place at **Geneva** in November, the regional telecommunications directorate extended the range of 8 feeder cables during the month of October.

The **telephone No. 192 for directory information on Federal Republic of Germany** and **No. 193 on France** was newly brought into operation from 1 December. The present No. 191 remains for information on other foreign countries.

**13 additional satellite circuits** were connected in October via Leuk earth station, namely Bahrain (2), Canada (2), Pakistan (1), Paraguay (2), Peru (2), Philippines (2), Singapore (1), Thailand (1).

### Teleinformatics

**Bureaufax service** has been established from and to Switzerland with **Egypt and Peru** since the beginning of November.

Since 1 December the **tariff for a teletex line** will amount to 200 instead of 350 Swiss francs as until now. At the same time, the present operational trial was extended to correspond to the future public service.

The new **Telepac** (domestic packet switching) **exchange at Luzern-Weinbergli** was integrated to the network in November.

### Radio, Television

In the **production studio 4** of the Swiss Broadcasting Corporation (SBC) in **Zurich** part of the video equipment was replaced in October. The **recording centre** of the same studio is now completely equipped with **1-inch recording machines**. The PTT delivered to the SBC 7 video recording sets (4 for Zurich and 3 for Geneva) in connection with the replacement and extension of studios. Further, the **sound and video control equipment** of studio 3 was replaced at the **Geneva** television studio.

Two additional **VHF Simplex relay stations** came into operation for radiophone service at **Froburg and Uetliberg** without connection to the public telephone network.

**Changes in radio licence decree** came into force on 1 October. This corresponds to the development of telecommunications and the international harmonization efforts.