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## Summaries

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### Selected Decision Criteria for the District Network Configuration

B. Kessler, Berne

The increasing demand and the new technical means are important parameters for the adaptation of telephone networks to the present and the future traffic situation. An example is given to show an economical network configuration with a nodal sector of a district network. The influence of different parameters on the economy of network configuration is described with the help of several figures.

p. 389...394

### Introduction of Telex Apparatus SP 300

P. Wuchner, Berne

Since June 1980 the PTT has been providing the subscribers with the fully electronic Hasler SP 300 telex apparatus. Besides a description of its operational characteristics the article shows the selected preparations for the turnover to a new generation.

p. 395...398

### Influential Developmental Characteristics and Planning Method in Areas with Dense Tourism

A. Kohler, Berne

It is possible to understand short duration fluctuations of dense tourism areas by using the described planning method for short range forecasting covering four to six years. Especially the periodical increase in second dwellings requires an advance notice and the extension of necessary facilities in the area of dense tourism. If the developmental fluctuations are known the business requirements of short extension stages for the exchange facilities for three to four years can be met.

## News Items

### Telephone

From 1 October 1981 **telephone tariff** to the national trunk areas 2 to 4 (above 20 km) will be reduced by 38 to 50 pc.

**Important emergency telephone numbers** and an introduction to **first aid** are included in the telephone directories which are being published from August 1981.

Recently the PTT introduced an imitation of the **luxury telephone set «Ericsson 1892»** with push button dialling.

Compared to the same period of last year the number of subscribers in the first half of 1981 on the **3-month-plus waiting list** increased by 692 to 5516.

The telephone **charges** for about **210 000 incoming collect calls** were made to 1980 Swiss subscribers. 1280 calls were contested. 570 calls were made from automatic coin box operated stations.

In August 32 additional telephone circuits were established with different **European countries**, 5 with **Morocco** over cable and 2 with **Nicaragua** as well as 1 with **Uganda** over direct satellite links.

Lately the Swiss telephone operators can directly call **ships** on the Atlantic and Pacific oceans over the **Marisat satellite**.

### Teleinformatics

The demand for the **PTT modems** increased greatly compared to the same period of last year, especially the base-band modem BB 19200 by 63 pc.

New lists of private permitted **subscriber equipment** for the **data transmission** and of the **acoustic coupler** are published.

The operational test has started for the new additional **automatic message switching (SAM)** system since the end of July.

In September the PTT opened the **Teletex operational test** with 20 selected participants. This is a text communications service especially meant for the office.

The PTT decided to continue the **Video-tex project** with the Standard Telephone and Radio Co.

### Radio, Television

The remote control of the **500 kW shortwave transmitter** at **Sottens** has been available since July 1981. The night services 24.00 to 06.00 o'clock will be transmitted by Sottens to North and South America and remotely supervised by Schwarzenburg. Thus, the reception in America is expected to improve.

On the occasion of the Swiss TV, Radio and HiFi exhibition the PTT supplied a **FM/VHF transmitter** to the Swiss Broadcasting Corporation for the **3rd radio programme in the Zurich region**.

### Miscellaneous

The **volume of the PTT business** continued to grow in the first half of 1981 and increased by 4.1 pc overall compared with the same period of last year. The telecommunications service grew by 5.1 pc, the postal service by 2.7 pc, outgoing international telephone calls above 10 pc and the national telephone, telex and postal coach services between 5 and 10 pc.