

**Zeitschrift:** Technische Mitteilungen / Schweizerische Post-, Telefon- und Telegrafenbetriebe = Bulletin technique / Entreprise des postes, téléphones et télégraphes suisses = Bollettino tecnico / Azienda delle poste, dei telefoni e dei telegrafi svizzeri

**Herausgeber:** Schweizerische Post-, Telefon- und Telegrafenbetriebe

**Band:** 52 (1974)

**Heft:** 1

**Rubrik:** Summaries and notices

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# Summary and Notices

## Summaries

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### Keypad Dialling with the Swiss PTT Model 70 Telephone

B. Nuoffer, Solothurn

The model 70 telephone set will be available in three versions: conventional dial-type station, multi-frequency keyphone, and keyphone with built-in storage and loop-pulse retransmission facility for working to conventional exchanges. The author gives the reasons for introducing keypad dialling in Switzerland and briefly outlines currently used systems, before entering into details of the circuitry and application of the two model 70 keyphones.

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### Characteristics of Modern Switching Systems

F. Ryter und F. Zbinden, Berne

The purpose of this article is to show, from a PTT point of view, the relevant differences between, and the common characteristics of, modern telephone switching systems using wired control and those employing programmable control. A brief outline of the design and functioning of such systems is followed by a description of their characteristics and performance. Finally, the authors try to assess rationalization by means of processor-controlled plant.

## News Items

### Posts

On 25 November 1973, an initial **three-Sunday driving ban** was imposed on private motorists in Switzerland **because of the fuel**

**crisis.** It resulted in heavy increases in the use of public transport facilities such as railways, postal coaches, trams and buses. The PTT ran many extra services to cope with the additional passenger load varying as much as 10 to 500% on some postal coach routes. The public showed remarkable discipline and adopted a humorous attitude towards what many considered a nationwide fitness exercise.

### Telephone

In November 1973, an **automatic morning and alarm call system** for 560 orders came into operation at **Fribourg**.

Of the 36.4 million **international call minutes from Switzerland** in July and August 1973, 30.2 million or **82.6%** were **dialed direct by the subscribers**. This is an increase of 6.2% over the 1972 ISD proportion.

**A 4 GHz, 1800-channel microwave link** was put into operation on the **Albis-Säntis-St. Gall** route in November.

The German Federal Post Office and Swiss PTT have agreed to build a **4-MHz small coaxial cable between Basle and Lörrach**, from where it will be extended to Freiburg/Breisgau and Donaueschingen. In addition, the **Donaueschingen-Schaffhausen-Zürich coaxial cable**, which continues to Lugano and Milan, is to be **converted from 6 to 60-MHz working**.

### Telegraph, Telex

The 17 PTTs that in 1971 commissioned **"Eurodata"**, a market study on customers' data communication requirements, have signed an agreement to maintain and update for at least three years the data bank now available.

In November, a second **24-channel voice-frequency telegraph system** came into operation between **Zurich and Athens**.

**Four direct telex circuits** were opened between **Zurich and Singapore** at the beginning of November. For safety reasons, two are routed over the Zurich-Montreal vft system, and two use the Raisting-Singapore satellite link.

**A direct telex circuit** has come into operation between **Ankara and Zurich**. It is equipped for automatic transit dialling from Turkey.

The **Zurich-Milan telex lines** have been increased by 12 to 111.

### Radio, Television

Since January 1972, Swiss PTT has been operating a special **shortwave radiotelephone service for airlines**. It enables service calls to be made 24 hours a day between flight operations control or dispatch offices and airliners over any point on the globe. Swissair and Balair were the first to make use of this service. They have now been joined by Phoenix Airways of Basle, and other companies will be following shortly. A particularly heavy demand for calls was noted during the recent exchange of POWs between Israel and Egypt, organized by the International Red Cross Committee.

### Miscellaneous

During the **1974 Swiss Trade Fair at Basle**, the PTT, the Radio-Suisse Ltd and about 30 telecommunications firms will be showing their products and services in a common exhibition entitled **"Teleforum"**.