

# Summaries and notices

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## Summaries

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### Computer-Supported Television-Interstudio and Reporting Operation

H. Eggli and H. Kauz, Berne

The PTT are forced to rationalize wherever possible, but at the same time also required to improve their quality of work. With the network management system described in the article this aim is strived for. It must also serve the users (management) and the operators (control). It is shown how the television-interstudio and reporting network is supported, managed and controlled by computer.

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### System Management of the Informatic Network According to OSI

J. Pitteloud, Berne

System management has become of current interest as the management costs are increasing, even though the purchase of hardware and software for the transmission are decreasing more and more. That is why the standardization organizations have faced the task of standardizing some aspects of this management. The initiative came from ISO and the producers of the system. CCITT, several PTT administrations and other network operators have followed suit. An important consensus has already been obtained. The author endeavours to show the present state of the art which will be certainly useful to all computer specialists and engineers who deal with the construction and the management of the most diverse networks (LAN, WAN, X.25, message handling network, etc.).

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### The Restructuring of the German Federal Post Office and the Reform of the Telecommunications Regulations in the Federal Republic of Germany

H.-P. Gebhardt, Brussels

In connection with the new Telecommunications Law which is in debate by the Swiss Federal Councils it is also interesting to view the situation across the border. The author examines the conditions in our northern neighbour country. The article ensued within the framework of a study for the European community.

## News Items

### Telephone

The first **digital Atlas installation** (designed for the announcing of changed telephone numbers) was recently put into operation in Berne. This system serves the **Berne, Biel, Freiburg** and **Thun** telecommunications centres. Further installations will be put into operation this year and will result in easing the load on the enquiry service in the whole of Switzerland from the beginning of 1991.

The **Swiss PTT's thousandth glass fibre cable installation** was put into operation in July. The first multimode-cable was installed in the beginning of the eighties. In 1985 there were 35 installations in operation. That year the monomode-fibre was introduced. With this thousandth installation there are now 4470 km of cable with 75,000 km of fibre in operation.

### Teleinformatics

The **50,000th subscriber** of the Swiss **Videotex service** was registered in August. The Videotex has over 460 service providers whose information or services are at the disposal of the subscriber. Today there are also communication applications such as Telex, Telefax or local call B possible over Videotex.

### Radio, Television, Radiocommunications

The **Chur—St Moritz toll network microwave link** with a transmission capacity of 140 Mbit/s was put into operation in August.

An **IDR-carrier** with a capacity of 2 Mbit/s – corresponding to 120 to 150 telephone lines – was put into operation in August with the **USA** via an Intelsat satellite on the 325.5° E position. A **digital circuit multiplication system (DCMS)** for the TDMA connection to **Hong Kong** via In-

telsat satellite on 60° E was installed in **Zurich-Herdern**. Furthermore, a new 64 kbit/s line with Turkey and four telephone circuits with Cyprus in the TDMA were put into operation via the Eutelsat I satellite on 16° E.

Six further **base stations** of the phase 3 were put into operation for the **Natel C network**.

The **microwave link installations** for the national TV network were set up in August on the sections **Säntis—Piz Corvatsch, Säntis—Valzeina** and **Valzeina—Feldis**. This concerns a broad-band channel in the 6.2 GHz band and eight broad-band channels in the 2 GHz band.

The **Kerenzerberg national highway tunnel (N 3)** was equipped with an **Eurosignal** transmitter in August.

At the **International Television and Radio Exhibition (Fera)** in Zurich the digital cable radio, '**Dig'it Super Radio**', was introduced. This is a joint project of the PTT, the Swiss Radio and Television Corporation (SRG), two cable TV associations and the association of suppliers of the radio and television businesses (VLRG). In a one-year development phase already six and later 16 digitally produced or processed programmes will be heard.

## Miscellaneous

The **Services and Facilities – Large Band Rapporteurs Group (SF-LB)** of the CEPT countries met in Tromsø, Norway, from 2nd to 4th of July. The representatives from nine European telecommunication firms worked out the contents of a recommended draft for offering an international switched-transmission service on 2 Mbit/s. The service is to be based on the infrastructure and the standards of the EBIT (European Broadband Interconnection Trial) network. Switzerland is participating with the Megacom.