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Summaries and Notices

Summaries

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Switzerland's Carphone System (NATEL)

E. Wey, Berne

An outline is given of the network structure as well as the operational and technical characteristics of the Swiss carphone system.

p. 247...252

Operating the Swiss National Carphone Network (NATEL)

M. Bischhausen and A. Buri, Berne

The article reviews the operation of Switzerland's national carphone network since the first of five areas came into operation a year ago in the central region.

p. 253...266

Experimental 8.448 Mbit/s Optical Fiber System

C. Béguin, Berne

The author deals with the opto-electronic components, waveguides, transmission codes and types of modulation used in digital optical transmission systems and describes a link set up by the PTT's Research and Developement Division for measurement and test purposes.

p. 267...276

Optical-Fibre Cables and Coupling Elements

P. Benoît and J.-F. Zürcher, Berne

The importance of the optical fibre in future communications networks and for other applications is touched on. The different methods of fabricating optical fibres and cables are described. Finally, the problems of jointing are discussed and the coupling elements made by Cabloptic are examined.

News Items

Telephone

Two years after the introduction of the electronic **Hasler PBX 8/30, the 1000th unit** was cut into service on 29 May.

The **participation of the Swiss PTT in Intelsat** stands now at 1.06 %, or 0.1 % less than a year ago.

In May the satellite circuits **Berne—Dubai and Berne—Bangkok** were opened for Radio-Suisse Ltd via Raisting earth station.

Since 1 June, **international subscriber dialling** has been available to 24 additional countries, including 3 in Europe, 7 in Africa, 8 in Central— and South America and 6 in Asia. The number of countries that can be reached from Switzerland by direct dialling has risen to 88, of which 30 are in Europe.

Telegraph, Telex

The **EDWA-Exchange** of Zurich-Füssli is the first **electronic, stored program-controlled** exchange of the Hasler T 202 to be put into service in the Swiss telex network on 2 May.

After the signing of the **agreement** between Switzerland and the remaining PTT-Administrations (EEC-countries) **to join Switzerland to Euronet,** equipment for it could be ordered mid-June. The link-up of the Swiss network is expected for autumn 1980.

Radio, Television

The Second Programme of the Swiss German Radio DRS is now carried by the new **stereo transmitter Rigi** since 4 May.

The **11th International TV-Symposium** and the technical exhibition was held **in Montreux** 27 May—1 June with 2500 participants from 53 countries and 155 exhibitors from 16 countries showing hardware worth about 450 mio. francs.

Area 2 of the **national carphone network Natel** covering the cantons of Fribourg, Neuchâtel, Berne, Jura, Solothurn, the two Basels and parts of Aargau was put into service 1 May.

Miscellaneous

The favourable results obtained with **mobile language labs** have induced five more Regional Telephone Administrations to join the programme. There labs are used for foreign language instruction of personnel and giving typewriting courses to the operators of the Information Service.

The **pneumatic tube system of Zurich** has grown 4.3 km by adding six stations in the Herdern toll-center, four send- and receive-positions in the TT-building in Förrlibuck and one station in the Zurich 37 Wipkingen post-office.