Summaries and notices

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Electronic information service «arCom 400»

R. Hostettler, Berne

The author looks into the general development of the information service and, using the «arCom 400» as an example, he points out with which objectives a public services supplier supports entering into the new information era.

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To the integrated information system RT with the help of informatics

A. Dürsteler, Berne

In connection with the development of an information system, todays informatics activities of the main radio and television department of the PTT administration (RT) and those of the future are described, in order to justify this high goal. The various reasons are obvious why an extensive information system can only be tackled in small steps. Thanks to a clear set target, one is able to derive simpler a direction for the hardware and software controlled development.

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The bottom of the wine glass OSI

J. Pitteloud, Berne

The author shows on the one hand the conditions of standardization of the open system OSI and describes by analogy the essentials of the upper layers of architecture and on the other hand he deals with the details of the transport layers and the communication layers (the bottom of the wine glass OSI). A following article will be devoted to the upper layers of presentation and application.

News Items

Telephone

The **largest subscriber exchange installation SL-1 to date** has been put into operation at the Credit Swiss in Zürich. It consists of three exchange installations (with 774 two way exchange lines, 440 direct dialing lines and about 9400 stations) as well as four detached units with a further 825 connections.

The **Füsslistrasse Information Centre in Zürich** was reconstructed and is now open again. The telephone station remains to a large extent unchanged only the information and advisory sections were newly designed taking into account the sale of apparatuses.

The **Lausanne** Telephone Office was able to register its **300,000th telephone subscriber** in December.

New satellite connections were set up in November via Leuk **with Australia** (1) and with **Columbia** (2).

Arosa and the **Puschlav** have been newly developed for the **national car telephone network (Natel A and B);** in the **Tessin** an additional base station was put into operation in Arbedo for the branch network A5 and the branch network B5 on Mt Tamaro was intensified 3 talking circuits.

Further base stations were connected for **Natel C** in greater Geneva, between Kirchberg BE and Oensingen for the N1 as well as in Interlaken and Thun. At the end of October there were already **more than 25,000 subscribers** connected with Natel C. The monthly increase is at present approximately 3000 subscribers.

Teleinformatics

At the end of October the Hazeltine-**projection screen apparatus,** which has been in use since 1978 for taking telegrammes by telephone, **was definitely taken out of operation** in the **telegraph primary offices.**

A **new EDW telex centre in Geneva/ Mont Blanc** was put into operation.

St Galle has received **another Telepac (packet switching) centre** of the DPN-50 type for about 1100 subscribers which is distinguished from the former ones by larger disposability.

In Berne the **Gateway-exchange for the international Telepac (packet switching) traffic** began operating. It supplements the exchanges in Geneva, Berne and Zürich and takes over the traffic with Australia and North America (with 55 further data circuits) directly.

A **further satellite ground station** – to Geneva and Zürich – was put into operation **in Basle** on 15th November. It serves the so called Business Services over Intelsat-Satellites (IBS) with North America.

For the first time the **use of Videotex exceeded the 4 million tax minutes** in the month under review which is an increase of approximately 15% compared to the previous month. The number of Videotex subscribers reached 12,300 at the end of October.

Radio, Television and Radiocommunication

A large part of the VHF/FM transmitter between the Lake of Geneva and the Lake of Constance is equipped with Coders for **radio data signals (RDS).** Inaudible with the radio programme, the transmitter and programme signal transmit the alternative frequencies and the traffic announcements. RDS suitable receivers make it possible to receive a programme en route without manual changeover to the best transmission each time.

After the replacement of the relay reception by a **directional beam connection to the VHF/FM and television transmitters of the SRG on the Pfänder** (Vorarlberg) there was a **pronounced improvement of the reception quality.**

In **Matten** (Lenk), the PTT television decoder for the three national programmes was put into operation. In **Safien-Thalkirch** a private decoder was connected for TV-DRS.

In the Münstertal and in the Bergell the Telerätia **transmitter for the transmission of foreign television programmes** (ARD, ZDF, ORF 1 and ORF 2) was put into operation.

Telex and Videotex subscribers have the possibility of **communicating information with local call subscribers directly.**

Miscellaneous

After 16 months of construction the approximately 50 m high concrete bottom part of the future **antennae tower on the Uetliberg** was finished. The approximately 130 m high with from 3.1 m to 1.5 m decreasing diametre steel tube construction will be built on it.

A **new warehouse in Schaan** (Principality of Liechtenstein) was occupied. It also accommodates, apart from a storeroom for cable and wire material, an assembly shop and a garage, various departments of the Liechtenstein national administration. The building was built by Liechtenstein.