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Summaries

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Statistical Analyses of a Modern Cable Distribution Network for Radio and Television

K. Brand, Berne

Knowledge of important characteristics of tree and star types cable programme distribution networks are required for comparison. A proposed model is based on data acquired through statistical analyses of a modern distribution network. Several important characteristics are described with sufficient accuracy for the mentioned types of networks.

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The Confidential Range of Propagation Statistics

W. E. Debrunner, Berne

As propagation conditions may strongly vary from year to year, experimental data can only be used for planning purposes, if their confidential interval is known. The confidential interval is defined for predetermined confidential levels. Estimation methods are given. The usefulness is demonstrated by comparing theoretical and experimental results.

News Items

Telephone

The PTT is bringing immediately into service **10,000 desk telephone sets of Model 70**. These are push-button sets with liquid crystal display of call-charge in progress.

The **first operational optical transmission equipment in Switzerland** is used between **Aarau and Seon**.

At the end of May 1983 **6 satellite circuits via Leuk earth station** were connected between **Zurich and Amman** (Hashemite Kingdom of Jordan)

Teleinformatics

The **Bureaufax service** has been available between Switzerland and **Indonesia** since 1 May as well as **Luxembourg** and **Austria** since 1 June 1983.

On 1 August 1983 the new **PTT service Memo-telex** — computerized 'store and forward' telex message service — will be opened for Italy, Japan, Canada, Spain and the USA.

The pilot trial of the **Telepac** (domestic packet switching) service is on the verge of completion and the commercial operation will start soon. In 1983, there will be extensions of the subscriber capacity of the existing exchanges in Berne, Zurich and Geneva and also the operational acceptance of two additional exchanges in Berne and Zurich.

Radio and Television

On the occasion of the World Red Cross Day, 8 May 1983, **special programmes of the International Committee of the Red Cross** were broadcast via shortwave transmitters at Beromunster and Schwarzenburg.

The first stage of the ridge site facility of the **multipurpose Jungfrauoch station** was provisionally completed. It includes equipment room, accommodation, lounge, kitchen and sanitary rooms.

In May 1983, a further **VHF half-duplex relay** for radiophone service between fixed and mobile stations came into operation at the **Uetliberg multipurpose station** and at the **Gempen broadcast centre**. 49 such relay stations are now in operation in Switzerland.

The PTT checked the operational status of 563 **private** and **amateur radio** stations, of which 38 pc had to be recalled.

Miscellaneous

The **13th International Television Symposium and Television Exhibition** took place at Montreux, from 28 May to 2 June 1983. These events, attended by a record number of participants from around the world, had been arranged under the auspices of Swiss PTT. The main discussion topics were high definition television (HDTV) with demonstration, the wide-band communications as well as the application of modern technology in programme production, studio equipment and satellite broadcasting.