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Summaries and Notices

Summaries

p. 192...207

A Typical Problem for Telephone Users and its Solution

R. Burkhard, Solothurn

A frequent problem in a new telephone installation (PABX) is described from the viewpoint of the customer. The use of hybrid equipment in a services company is then shown. The author explains by means of this practical example how the user can take advantage of the features of a particular installation. The integration of the PABX into the organizational and communications environment of the firm is then presented.

p. 208...212

The Inspection Office of Swiss PTT for Acceptance Testing of Teleinformatics Equipment

W. Fawer, Berne

Based on his practical experience, the author deals with different aspects of a PTT inspection office for the acceptance testing of teleinformatics equipment. The setting-up and the organisation of the inspection office, specifications, necessary test facilities and reporting are dealt with according to today's viewpoint as well as requirements. Experience shows that the inspection office is not only a 'dull' control and testing location: Instruction and consulting (with some restrictions) are additional contributions which can not only be advantageous for the applicant but can also considerably reduce the total expenditure of time at the initial examination and at the re-examination. Finally, the author ventures a look in the future: liberalization, new inspection offices, still more tests (e.g. increased 'conformance testing') or reduced performance, reorganization questions, contradictory viewpoints, etc. These are perspectives which must be solved for the future without going too far.

p. 213...223

Increasing the Productivity of a Method for the Manufacture of Optical Monomode Fibres

F. Sandoz, F. Cochet and J. Piffaretti, Cortaillod

The manufacturing of an optical monomode fibre is based on the pulling of a preform having the same properties as the fibre itself. The preform is, for example, obtained from a quartz tube into which the fibre core is introduced before collapsing through the method of chemical deposition from the gas phase. This method is too slow, and the length of drawn-out fibre is limited. A sleeving method is described as an improvement which allows faster production and the pulling of fibres to double the length as before. The problems which arise from the sleeving technique, such as the diffusion of OH ions during the pulling of the fibre or the mechanical characteristics of the fibre produced with this method, are dealt with. In conclusion, the author is positive about the future of this method which has been practically tested and utilized.

News Items

Telephone

The first of a total of 17 **automatic alarm clock installations of the new generation** was put into operation in **Lausanne-Préville.** This equipment of the type **WA 490** (for large installations) and **WA 490A** (for smaller installations) will handle the largely increasing waking service requirements in the future and replace the first generation WA 49.

The **fixed radio relay link Euseigne/TZ–Suen/MZA** was put into operation on 19 March. It serves as modulation feeder for the Suen multipurpose installation and operates in the 13-GHz range with a transmission capacity of 8 Mbit/s.

Seven **new base stations** were put into operation for Natel C in March. Thus, the **Elgg, Aadorf, Chambésy** and **Versoix** regions are now supplied.

Teleinformatics

The **COSINE (C**ooperation for **O**pen **S**ystems **I**nterconnection **N**etworking in **E**urope) **pilot project** has as its objective the setting up of an efficient network for the service of science and research in Europe. The planned network consists of a few nodes connected by leased lines with local access points for the user. In the beginning a main node is planned in **Amsterdam** and in **Berne,** from where nodes will be connected in **Vienna, Athens, Madrid, Bologna, Ljubljana** and **Orsay** with 64 kbit/s lines. At the end of February, all nodes were put into operation with the exception of Ljubljana. The Swiss users are CERN and SWITCH.

At the beginning of the year the **Telepac Service** was newly set up with the following countries: **Saudi Arabia, Chile (Entel), Djibouti, Japan (NIS), Philippines (Worldnet), Turkey, UdSSR** and **Zimbabwe.** Thus, there are now 113 networks in 70 countries accessible for the telepac customer from Switzerland. The access to a further 37 networks in 28 countries is being planned at present.

Radio, Television, Radio Communications

New **television transmitters** have been put into service on the **Haute-Nendaz** station. They broadcast the programmes of the German- and Italian-speaking parts of Switzerland in one- or two-channel tone.

Miscellaneous

Poland's application for admission to the **Eutelsat-Organisation** was formally approved by the competent authority of the Eutelsat – the Assembly of Parties. **Poland** is the 27th European country joining the Eutelsat and the first nonmember of CEPT. The Polish PTT was nominated as shareholder and signatory to the contract. A Polish satellite earth station for telephone traffic with 18 European countries will be put into operation during next year.

The **CEPT Commission T-COM** (Telecommunication Commission) decided at an extraordinary meeting in London on the 20/21 March to fundamentally restructure the **Radio Committee** and newly call it **European Radiocommunication Committee** (ERC). In this context it was decided to set up a permanent European office (European Radiocom Office ERO), so that important decisions in the field of radiocommunications which are of significance to the whole of Europe can be passed quickly in the future. The management of the ERC rests with a president (GB) and two vice-presidents (BRD and CH).

A **telecommunications satellite of the type INTELSAT-VI** which was launched on 14 March with a Titan rocket was not able to reach its geostationary orbit because the perigee motor could not be separated from the second rocket stage. The Intelsat control centre was able to bring the satellite into a safe parking orbit which will allow it, at a later time, to be recovered for further use. The possibilities are being presently examined. The loss is covered by a reserve fund.