



## Further Railroad Automation in Denmark

### Ericsson Delivers Automatic Control Equipment

The Danish Railways, DSB—as a step in the modernization of its railroad operation—are now installing equipment in the C.T.C. office at Odense for automatic control of the C.T.C. plant on the double-track Nyborg-Fredericia line, extending over nearly 60 miles with 15 stations.

The C.T.C. operator gives every train on the line a two-digit destination number, which he does by pressing two buttons on a miniature track diagram. The number is shown on the C.T.C. panel opposite the train position lamp and automatically follows the train across the panel. The number successively and automatically causes the necessary controls to be sent to the stations, so that the C.T.C. operator need take no further action until the train has arrived on

the destination track at the destination station.

Mr. W. Wessel Hansen, Chief Signalling and Telecommunications Engineer of DSB, recently demonstrated the "destination indication system" to the President of DSB, Mr. P. E. N. Skov, and some of his colleagues.

L M Ericsson, which has previously delivered the C.T.C. equipment for the Odense plant, is also the supplier of the destination indication system, which is based on crossbar switching.

Mr. W. Wessel Hansen (right in the photo above) demonstrates the destination indication system to (from left) Messrs. J. A. Hansen, District Engineer, P. E. N. Skov, President, G. O. Randrup, Traffic Inspector of Danish Railways, F. Loell, Chief Engineer of Dansk Signal Industri A/S, E. Vibjerg Petersen, Signal Engineer, and G. Larsen, Chief Traffic Assistant, of Danish Railways.

## Maintenance Conference with Delegates from Twelve Countries

This year's Maintenance Conference, with 38 representatives of telephone administrations in twelve European, African and Asian countries, was held at Ericsson's head office at Midsommarkransen, Stockholm, from May 29 to June 2 (see photos below). It was attended by eleven delegates from L M Ericsson and four from the Swedish Administration.

The programme comprised maintenance of exchange equipment, outside plant and transmission equipment. In distinction to previous conferences, the papers had been circulated to delegates in advance. At the conference the speakers presented resumés of their papers, which were then followed by discussion.

To make the discussions as fruitful as possible, questions were addressed to a panel consisting of the speaker and of two or three experts on the particular subject. The general opinion was that this arrangement proved very successful.

During the week of the conference, visits were paid to the main factory workshops, to the Long Distance Division Laboratory, and to Swedish Administration plants in Stockholm.

In the week June 5-9 some thirty of the delegates made a trip to Gothenburg and Denmark. In Denmark visits were paid to the administrations of Jutland, Fyn and Copenhagen, and in Gothenburg to plants of the Swedish Administration.

