



New Automatic Exchange in Panama

A new automatic telephone exchange, the fourth in Panama C., was opened on July 14. This exchange, of L M Ericsson 500-switch type, has an initial capacity of 1000 lines, of which 500 P.B.X., bringing the total Panama network up to 15740 lines. Including party lines, the number of subscribers is now above 18000. The installation work was done, as earlier, by Cía Panameña de Fuerza y Luz.

(Above) The Minister of Public Works, Mr. Roberto López Fábrega, used an Ericofon to make the first call to the President of Panama through the new telephone exchange. Behind him (from the left) are Messrs. Luis E. Kjørstad, T. V. Oglesby, W. A. Daniels, Rune Gustafsson (L M Ericsson's representative) and Salcedo Levy.

Mr. Evert Stålhagen of the Swedish Telecommunications Administration inspects the Biskopsgården automatic exchange (below) in company with Mr. Gunnar Fredholm who is in sole charge of maintenance of the exchange.



Among those present at the inauguration were the Minister of Public Works, Mr. Roberto López Fábrega, the Archbishop, Monseñor Francisco Beckmann, the President of Cía Panameña de Fuerza y Luz, Mr. Thomas Oglesby, and the Head of the Telephone Department, Mr. Walter A. Daniels.

Following the Archbishop's blessing of the new exchange, an opening call was made between the President of Panama, Ernesto de la Guardia, and the Minister, López Fábrega.

New 500-switch Exchange in Gothenburg

A new automatic exchange was recently opened at Biskopsgården, Gothenburg. It is equipped with L M Ericsson 500-line switches and, when installed to full capacity, will serve 10000 subscribers. In the first stage the exchange has been equipped for 4000 lines, but by the autumn it will be possible to connect another 2000 subscribers.

The installation work is in the hands of L M Ericsson's installation group in Gothenburg.

C.T.C. on Carrier for Formosa

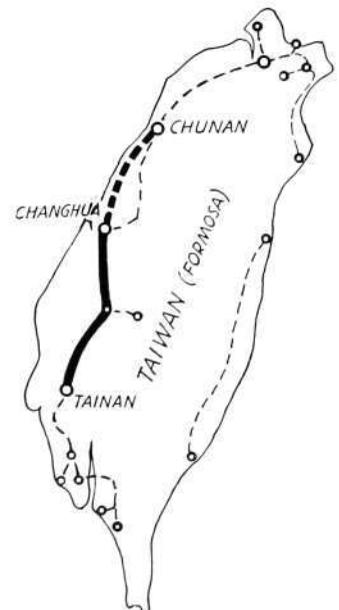
The Formosan State Railway system covers some 1000 kilometres of track. The network consists chiefly of a west coast line from north to south of the country, and of a shorter east coast line. At present the two lines are not interlinked. The gauge is 1067 mm, which is narrower than

the standard international gauge. Formosa also has a privately owned railway network extending over some 3000 kilometres and operated mainly by sugar refineries.

The railways are a very important means of communication in Formosa, and in recent years the capacity has proved altogether inadequate. As a first step, C.T.C. is to be introduced on the west coast line between Tainan and Changhua, but it is intended that the system shall be extended to Chunan.

In January this year tenders were called for, comprising signalling and C.T.C. equipment for the Tainan-Changhua line. The order, issued in May, went to L M Ericssons Signalaktiebolag and comprised deliveries of equipment, including supervision of installation work, for US \$ 1,900,000. The equipment is to be delivered within 12 months.

The Tainan-Changhua line is single-track, about 150 kilometres in length with 26 stations. The C.T.C. office is to be at Changhua. An overhead line will be used for transmission of the C.T.C. information between the C.T.C. office and field stations, and, in view of the length of the railway and the large volume of traffic, will be divided into two sections, of which the northern section, nearest the C.T.C. office, will be controlled direct and the southern section will be controlled via carrier circuits in the northern section.



In the map above, the heavy continuous line marks the Tainan-Changhua section for which C.T.C. has been ordered. The heavy dotted line marks the planned extension to Chunan. The light dotted lines represent the remaining railway system.