

Subject: "WORLD RADIO MARKETS--CHINA".

Submitted by: A. Viola Smith, Trade Commissioner.

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Supplementing Section No. 24 "Police Radio"--of Special Report No. 6 dated August 15, 1939, entitled "World Radio Markets--China", the following data relative to the radio telephone service used by the French Police of the French Concession at Shanghai, China, has now become available:

EQUIPMENT OF THE FRENCH POLICE RADIO TELEPHONIC NETWORK

The equipment of the network of radio telephones of the French Police is composed of:

1. One Central Transmitting (Broadcasting) Station.
2. Six fixed or immobile "postes" (stations) installed in the various Police Stations for Receiving messages.
3. Eight Mobile "postes" for receiving, mounted on police lorries and light-police vans which are distributed in the various Police sectors.
4. Thirteen receiving sets which can, in urgent cases, be rapidly installed in armoured cars and light armoured cars.
5. One radio telephonic transmitter which can be rapidly installed in any police station for establishing a two-way communication with the Central Police Station.

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The Central Transmitting station has been constructed with much care from American and Chinese spare parts.

The Power required to feed the transmitter is 1,500 watts with an antenna output of 200 watts. The Wave-length used is 1,640 Kilocycles (182.3 meters). During the day the range of the transmitter is 300 kilometers and at night the distance is doubled.

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The mobile receiving sets are of American makes:
Packard-Bell--5 Tube type vibrators Model 65.
Philco Transitone--6 tube automobile radio Model 818K.
Zenith--7 tube automobile radio Model 7 M 91-S.
Philco--6 tubes automobile radio, Chassis Type DPV, Code 121.

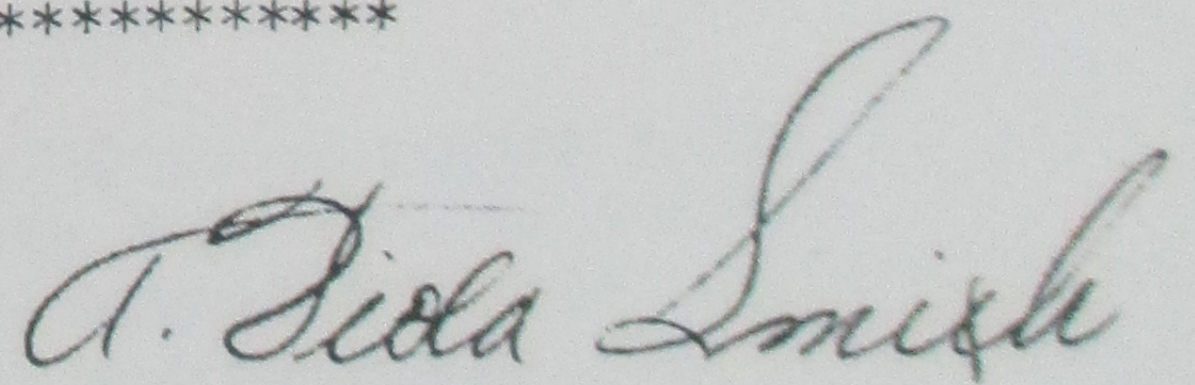
The fixed receivers are also of American makes:
Philco--5 to 6 tubes Model 37-60 and 37-89 Superheterodynes.

No mobile receivers are actually equipped with two-way communication.

All Mobile receiving sets are run on 6-Volt batteries--60 Amp. hour.

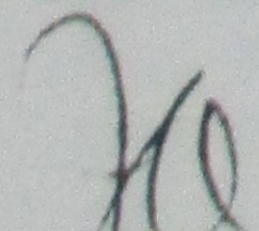
For the year 1938-39 consideration is being given to the installation in a police motor lorry of a two-way communication set (Receiving and transmitting) which will function on ULTRA SHORT WAVE of 7 to 10 meters.

The French Police radio system depends on the satisfactory functioning of the Transmitter at the Central Station. The only difficulties encountered come from local industrial "parasites", which are practically impossible to eliminate, such as tramways, high-tension wires and Neon tubes, etc.



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NOTE: Translation from French to English made by Clerk, Frank N.W. Doodha.