The figures are based on the percentage of equivalent full-time licenses. arrive at a reliable average based on part-time licenses. The figures up to August 31, 1929, are as follow:-

Equivalent full-time licenses: Auckage of full-time licenses to population of respective postal districts to which licenses are allocated: Auckland 3.3, Wellington 3.7, Christchurch 3.4, Dun-

"On these figures, obviously, Canterapthetic in its attitude toward radio, course, in code. as may be judged from the bulk figures," concluded Mr. Harris.

powerful station and a wider service A Secret Radio Station motor cruisers, armed with machine making a futile attempt to outdistance

Obviously it would be impracticable to Operated by Rum-runners rum-runners. Besides these six cruis-

land 14,166, Wellington 17,635, Christ- put was its recent adoption as a means a fleet of f church 7692, Dunedin 3565. Percent- of communication between various se- ally-designe cret haunts of a bootlegging gang in real purpose. America. A transmitting station for activities of the smugglers was installed near New Jersey. The transmitter, which operated on short wave, was used bury cannot reasonably be said to be for sending messages which were, of

The syndicate controlling the smuggling operations possessed six racing

guns for use against the coastguard shores, constantly on the lookout for ers, numerous small motor craft were used by the bootleggers to ferry their PROBABLY one of the most original illicit cargoes between the larger boats uses to which radio has yet been and the shore. They also maintained motor-lorries, with specially-designed bodies to disguise their

Operations proceeded perfectly for controlling, both by sea and land, the more than a year, and during that period immense profits, totalling over £2,-000,000, were netted by the gang. Early in October, however, a listener who lived near the smugglers' headquarters became suspicious as to the origin of the coded messages which he was able to receive, chiefly after midnight. Finally, he reported the mysterious transmissions to the police, and supplied them with enough of the messages to enable them to decipher the code in Thus the police discovered that certain prohibition agents had turned would probably have still been opertraitor, and were working hand-in-glove ating. with the rum-runners, thus enabling the latter to ply their nefarious trade with impunity.

After weeks of listening and planning, squads of police officers were detailed to make simultaneous surprise raids on every rendezvous. Thirtyproved completely successful. the central offices of the ring in New York, and 36 smugglers were finally taken prisoner after many a desperate struggle.

structed to rush the gang's secret radio creased in volume from thence onward. station, and prevent the operators there It was about four times as loud fas from dispatching any warning messages 3UZ, Melbourne, another low-power stato their cruisers, which at the time tion, which formerly came in with good were outside the three-mile limit await- loudspeaker volume. Apparently there ing orders. This was successfully ac- is some unknown reason why these lowplished, and a police operator, by sending out orders in the gang's code, suc- lington with such volume. Possibly ceeded in trapping one of the rum-run- there is some relationship between disning vessels into territorial waters, tance and wave-length. These small-

the speedy patrol cutters, put up a desp cutters, which incessantly patrol the perate fight, but were finally overpowered and disarmed.

Near the radio station the police seized the gang's headquarters, which were located in an elaborately-furnished and innocuous-looking country resi-

All its approaches, however, were guarded by machine-gun emplacements, while its basement led into tunnelled chambers where liquor was stored. Large quantities of arms and ammunition were found, but owing to the surprise nature of the raids, no resistance was offered.

Thus one of the most extensive and well-organised rum-running gangs were operating in America was successfully broken up. It is rather curious that the very initiative and resourcefulness of the syndicate should have been the cause of their downfall; for it in certain that had they not employed radio as a means of communication, they

A New Australian

These \mathbf{A} LOW-POWER Australian station has recently which two liquor depots were seized, including into prominence is 3DB, Melbourne, 255 metres (1175 k.c.). The other evening "Switch" had 3DB louder than 3LO and 3AR, Melbourne. This was A special squad of officers was in- about midnight, and 3DB quickly inpower stations sometimes reach Welwhere it was seized by two patrol powered stations are on a wave-length cutters. The crew of the vessel, after below 300 metres (1000 k.c.).

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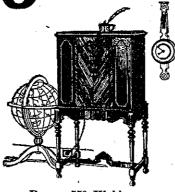
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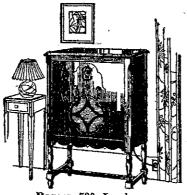
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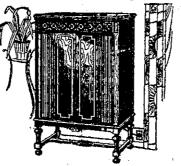
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