

THIS month's "Radio Times" again sets a high standard and should have a very wide appeal. The constructor has been very well catered for, there being three complete sets and a power-pack, all profusely illustrated. The sets include a seven-valve superheterodyne, which is described in such a manner that anyone with the most meagre constructional experience can build it successfully. Arrangements have been made with the trade to supply coil and condenser gangs at a remarkably low figure, so that trouble on this score will not be encountered by constructors. It is a one-dial job, with tone and volume controls. Instructions and diagrams are so complete that no-one we feel sure, will meet the slightest difficulty in building.

Battery sets are represented by the "1932 Outspan Four," which has been described by the designer as the Rolls-Royce of battery sets. A powerful modern four-valve set, comprising two stages of screen-grid r.f. screen-grid detector and pentode output, this set is easily the most powerful, valve for valve we have yet described. It incorporates single dial tuning, reaction, which, whilst giving maximum sensitivity does not interfere with the balancing, adjustable automatic bias on the r.f. valves and the pentode, designed so

Three Modern Sets

The October Radio Times

that the "B" consumption is from 10 to 12 milliamps, and the "A" consumption modern .8 battery sets. The "Modern Five" is a t.r.f. a.c. set .8 of an amp, making it possible for the set to use three "B" batteries and an employing three of the latest six-pin

Licenses Steadily Mounting

A SURPRISINGLY large increase of 3650 licenses over the previous month's total is revealed by the following statement showing the number of radio licenses in force in New Zealand on August 31 last. The brightening conditions throughout the radio trade are evidenced by the monthly increase of 62 in dealers' licenses. Amateur transmitters' licenses have increased by 28.

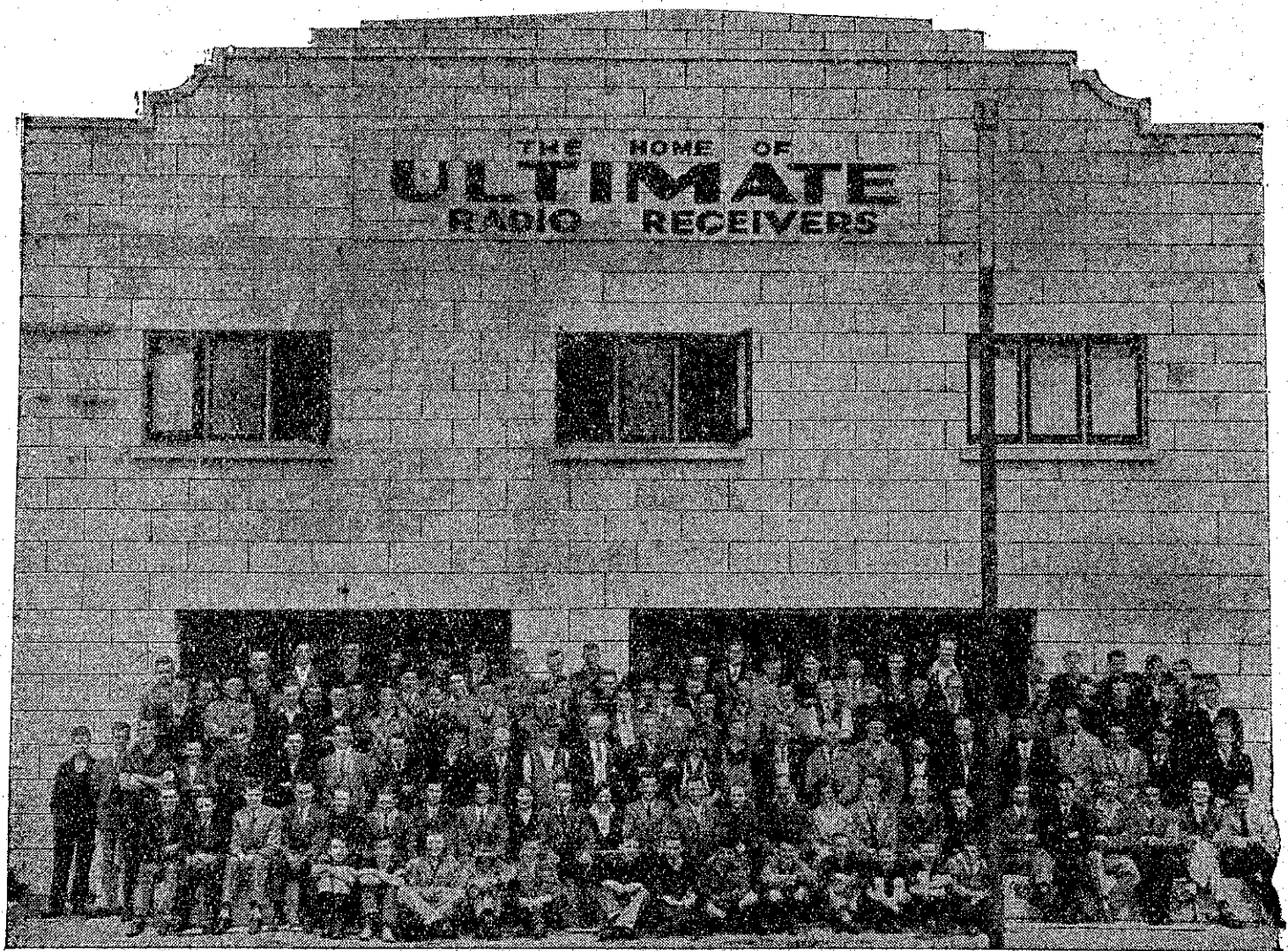
District.	Receiving	Dealers'	Trans-	Experi-	Special	Free
			mitting	mental		
Auckland ...	22,828	327	126	1	—	105
Canterbury ..	12,963	208	187	—	1	49
Otago	10,268	158	84	1	—	34
Wellington ..	33,559	497	243	4	1	62
Totals	79,618	1190	590	6	2	250
Grand total: 81,656.						

valves—two r.f. pentodes and a screen-grid detector. A new system of bias is introduced, and constructors will find this of considerable interest. The "Link Three" is continued in Part 11, the power-pack. It is some time now since a power-pack has been described and constructors will find this description exceedingly helpful.

There is also the coil particulars for the "Link Three" and particulars of how to make a baffle for the speaker. Another article which will appeal to constructors is "Hints on Soldering," some "Practical Tips" by "Handyman."

There is a very complete description of America's radio city, an account of Mr. Roy Keith's station, 1ZQ, Auckland, and Shortwave Club notes. The "Digest" section contains interpretations of the regulations and an account of the activities of the New Zealand Radio Institute, several interesting cases in the "Service Department," the solution to problems on Ohms Law, and the statistics from the Customs Department.

"The Radio Log" has been brightened, particularly the Club Notes, which refer this month more to listening conditions than heretofore. There is an interesting description of WTIC, Hartford, a good list of European stations and a full list of Japanese.



This group of skilled artisans, who are responsible for the engineering and production of **ULTIMATE** Radio Receivers, is indisputable evidence that New Zealanders can build a superior Radio Receiver. The **ULTIMATE** Factory has produced and sold over 2000 receivers since February this year. Available in 12 models, ranging in price from £15/10/- to the magnificent Combination Shortwave, Broadcast and Electric Gramophone at £69/10/-. There is an **ULTIMATE** Distributor in every part of New Zealand.