

tions. Its unique cabinet enabled the batteries to be placed inside, and thus unsightly leads were done away with. One of these models will be on view at the exhibition, and those who consider the all-electric as impracticable will be greatly interested in this receiver. With the advent of the A.C. receiver, it was necessary to provide such a set in the Courier series. In due course this receiver made its debut, and has met with the success of its predecessors.

At their stand in the exhibition, J. Wiseman and Son will display their factory receivers in various stages of their manufacture. Their technician, who is responsible for the designing and manufacture of the Couriers, will at different times be in attendance, so that visitors will be able to see personally the originator of this very fine receiver.

Other items of interest displayed will be various components which should draw the attention of every set-builder.

#### Stand No. 12.

##### FRANK WISEMAN AND SONS.

**A**TWATER Kent Receivers will be featured on this stand, and visitors will see the first A.C. screen grid type of receiver introduced into New Zealand. This is the Atwater Kent Model 55, embodying two 224's (A.C. screen grid), two 227's, and two 245's. The screen grid valve as radio frequency amplifier, has enormous amplification, and to introduce tone the first audio stage is resistance coupled to the detector, which is of the Anode-bend type. A moving coil loudspeaker

of a special design goes with the set. The best results cannot be obtained unless this combination is used. The valves are shielded by aluminium cans, the condensers are ganged, and the dial calibrated in both kilocycles and degrees. The set is put up in both a cabinet and Console models. This latter model is finished in grained imitation wood.

Each portion of the power pack is efficiently shielded from its neighbour, so that interaction and hum are almost imperceptible. In fact, the receiver is so silent that, when it is not on a station, it is difficult to know whether the set is turned on or not. For this reason pilot lights are provided.

Model 60 is very similar, but is slightly different in its lay-out. Selectivity in these receivers is such that the former model will cut out all but 2BL when operating on 1YA. With the Model 62, 1YA can be tuned out in favour of 2BL.

(Stands Nos. and 14.

##### ABEL, SMEETON, LIMITED.

**S**OME three months ago the American radio world had its interest aroused by a terse sentence from the Crossley Radio Corporation. It read: "Wait for the big news in radio—out July 21." And now the same pronouncement is being made by the New Zealand distributors, Abel, Smeeton, Ltd. This time the date is October 30. The big news will be awaited with interest by all who have had any connection with the Crossley receivers. This very popular line has had many supporters throughout New Zealand, and the introduction of new and up-to-

date types (for what else can this big news mean) will be awaited with keen expectation. Speculation is rife as to the technicalities of these new models, and it is more than likely that they will embody the A.C. screen grid, the 227 and the 245.

When finally the new receivers were announced in America, fast aeroplanes were employed to carry the samples to the waiting dealers throughout the country. Although these modern tactics cannot be employed in New Zealand, we are expecting a great throng round Abel, Smeeton's stand to see the outcome of this big news.

#### Stand No. 15.

##### STEINITE AND ULTIMATE.

**R**ADIO, LTD., have arranged for this stand demonstrations of both Steinite and Ultimate sets. The Ultimate is a small A.C. receiver designed by the engineers of this firm to cover both short-wave and broadcast band. There are four valves, including one stage of A.C. screen-grid. In spite of the fact that by altering the plug-in coils, both broadcast and short-wave bands may be covered, only one tuning control is employed. The cabinet finished in maroon is built up of heavy aluminium sheet, with three separately shielded compartments. The latest Ultimate product is a console model of the electric Ultimate housed in the most attractive low-boy cabinet, and incorporating a dynamic type of loudspeaker.

The Steinite is a console type of receiver in two distinct styles. The more expensive with two 250 valves in the last stage incorporates an elec-

tric gramophone. The smaller model with the new 245 type of valve in the last stage and 227's in the other stages. The cabinet complies with the latest ideals of design. In addition to the two receivers, Arcturus valves and Samson power amplifiers will be displayed. Both are new to New Zealand, although they have earned a great reputation for themselves in America.

The valves are characterised by blue glass. An outstanding feature about the new Arcturus 227 is the rapidity with which the cathode heats, resulting in highest efficiency, humless operation, and audible reception within 7 to 10 seconds. These valves are recommended for all A.C. sets. They are represented in all the main types of A.C. valves.

The Samson power amplifier is in two styles. They can be employed for use in either home, out-of-doors, or theatre. The smaller model employs the 210 valve, and the larger the 250.

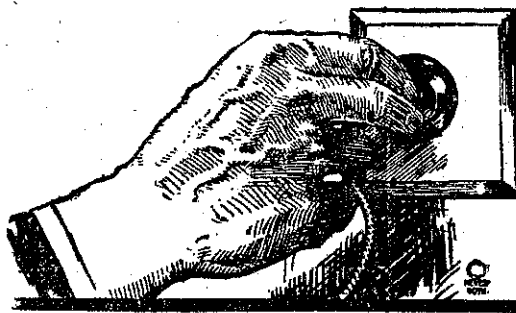
#### Stand No. 16.

##### SELECTRA RADIO.

**I**N some ways this stand is unique. Whereas other exhibitors have on show radio receivers constructed outside New Zealand, Selectra Radio are showing only New Zealand made products, and these compare very favourably with the imported article. The Selectra Junior A.C. Three, embodying two E415 valves and one B609, is a handy receiver for those who do not wish to make a very big capital outlay. This receiver, contained in a neat little cabinet, is built up of the very best components. It has two

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