

"All About All-Electric"

On Sale Next Week

WE are pleased to be able to announce that our handbook, "All About the All-Electric," will be available late this week, when readers will be able to obtain a copy from book-sellers and radio dealers. We have found it necessary to enlarge the size by another eight pages, making a total of 72 pages. There will, of course, be no alteration in the popular price of 1s. 6d.

All those who are at all interested in the all-electric set and its accessories, will find this book intensely interesting. It has been written for the amateur, and everything possible has been fully explained. The reader is told what constitutes an all-electric set, why A.C. cannot be used on a D.C. set, how to choose an A.C. set, what are the qualifications of the accessories that should go with it, and how to make sets.

On the constructional side, the book is equally strong. We present for the first time a very full description of the A.C. 4-valve Browning-Drake. This set has been constructed, and on test, brought in all the Australian stations as well as some Japanese, proving its equality if not its superiority to the original 4-valve D.C. set. This article is well illustrated with diagrams and photographs, so that the amateur should have no difficulty

in constructing it. Inter-stage shielding has been done away with, and an aluminium sub-panel is used instead. This simplifies the construction work, and assures good results.

For the man with a small purse, a crystal set and A.C. amplifier has been prepared. The construction of everything from transformer to the set itself has been made so simple that any inexperienced amateur may construct it. For those a little more experienced, and who have made their own D.C. sets, and now wish to change them to A.C., we have given very full details of how this may be done. We would not, however, advise anyone totally inexperienced to attempt to change over a D.C. factory-built receiver. For the reader of this class, we have outlined two other methods of changing over a set: the use of adapter harness and the provision of "A.B.C." eliminators.

There are several very fine articles for the non-constructing reader. These include a very full description of power valves. As every reader knows, good quality can be produced only by the use of this type of valve in the last stage, but many do not know just what valve to use, or when to use it. For them, this article has been prepared. Another long article tells of the evolution of the A.C. valve, and its use in modern receivers. This article alone, is worth the very small sum charged for the book.

For the D.X. listener we have prepared the most complete list of broadcast stations that, to our knowledge, has ever been published in New Zealand. There are 250 American stations alone. Those that have been received have been suitably marked, so that the

Our Mail-Bag

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MOST amusing are the indictments hurled at the R.B.C. "Fed Up," "Disgusted," and "Con Amore," etc., are like the poor—always with us, and, of course, on the humorous side, the readers of the "Record" enjoy the jokes. This reminds one of a misled listener in Limbo trying to convince the listening earth that Tophet is not the place it used to be—it never was. Speaking generally, the programmes broadcast by YA stations are excellent, and more than one could expect from a new development that will increase by leaps and bounds in the next decade. The concerts from Wanganui are radio gems, and the relay from Hawera concert deserves special mention. 3YA excelled all her programmes with the old-time songs and dances on October 12; it made us all young again, and we were off by honeymoon train. The dinner music

listener can see at a glance whether he has received a station that has not yet been reported. A very complete list of Australian and other overseas stations will also be found useful. Both lists are complete with wavelength and frequency in kilocycles. We have not yet seen a more comprehensive list of broadcast stations in any other radio magazine with stations so designated. This will be of the greatest assistance to listeners who are using sets that are calibrated in either of these divisions.

with its appreciable tacet, and the weird voice of Mr. Drummond, like the Ghost in Hamlet—Ghost beneath (swear): "Well, said old mole, can't work in the earth so fast!" that part of programmes fills the bill, and gives a humorous touch, and one feels inclined to say, "rest, perturbed spirit." The Broadcasting Company are doing excellent work, and to improve broadcasting 80,000 listeners-in would help to give us better programmes, it takes money to pay for talent, and the latest additions of octets and orchestras should satisfy any fair-minded critic. With regard to broadcasting vagaries 1YA in the afternoon is fairly good, but the night session has been too jerky for the last twelve months; but on Sunday, October 13, the relay of Whangarei Band concert was excellent at the beginning, but faded badly towards the finish. 3YA, Christchurch, is a very consistent station. 2YA fades badly, which is no doubt due to ionisation. The most humorous item broadcast is the weather report. Mr. Drummond tells us it is a fine day in Wellington, with a northerly light breeze. In Northland the wind is S.E., and it is raining for the last 24 hours, with every prospect of a flood. The situation according to weather report is fair to fine generally, and an anti-cyclone is suspended over the Australian continent, and a cyclonic disturbance is stealing on to New Zealand in the dead waste of midnight, and it is a fine day in Wellington, with scattered showers generally. Elsewhere it is grand.—Winterless North (Auckland).

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