

1932 Radio Guide

(Continued from page 3)

in simple terms. Scattered through this article are illustrations depicting theoretically and pictorially the various components used in this circuit.

Items of interest in the construction section are a band-pass filter unit, by which greater selectivity may be obtained than with a wavetrap, an unusual coil-winder which is a vast improvement on that published last year, in that spacing for all types of wire is quite automatic, a multi-range meter, the 1932 "Radcord Crystal Set," a modern three-valve set, and a six-watt amplifier.

The most remarkable set of the season brings this chapter to a conclusion. It is the "1932 Advance All-Waver." In brief this is a five-valve a.c. set designed for all wavelengths, employing two 235 valves, a 224 detector, a 227 first audio and a 247 pentode. The remarkable part of this set is that coil changing is unnecessary. There is a small indicator on the side of the cabinet, and this can be moved so that any waveband desired may be brought into operation, making all-wave listening delightfully simple. It is so profusely illustrated with carefully worked out diagrams that anyone who has done any radio construction whatever can have no difficulty in constructing it.

Section four deals with the building of transformers and chokes and introduces a table which is delightfully simple to use and is such that anyone can calculate the sizes of transformers they require without any difficulty.

Section five, "Trouble Tracking and Servicing," is well worth reading. It is not an obtuse technical discussion on fault finding, but is a simple talk to the non-technical readers, explaining how the majority of troubles occurring in the average set may be tracked down. It leads up to a complete trouble-tracking chart, by consulting which the set owner can arrive at the trouble in his set with the least difficulty. This chapter is complete with a section on the servicing of superheterodynes, in which the main faults occurring in this type of receiver are briefly dealt with.

The valve section contains the characteristics and tables of the better-known makes of valves, while there is the usual Radio Call Book. This was corrected only a few days ago, and

the listener will find it an accurate guide to all the stations likely to be heard in New Zealand. There are all the New Zealand broadcasters, with their address, frequency, wavelength, power and schedule. Then there are the Australians, and the schedules are given for all night sessions, except for the more powerful stations, for which all sessions are given. There is a very representative list of the American, Canadian, Japanese, Mexican and European stations. Provision has been made for dial readings, and the date the station has been logged. There is the inevitable list of short-wave broadcasting stations compiled by Mr. F. W. Sellens, the president of the New Zealand Short-wave Club. This undoubtedly is one of the most accurate lists which any paper ever publishes on short-wave schedules.

In the Reference Section will be found many varied and useful tables, including the radio symbols adopted as standard in the "Radio Record." There is a wire table, a chart for solenoid coil construction, small power transformers, chokes, speakers, capacity in series and in parallel, and many others. Also in this section is the complete text of the New Zealand Broadcasting Bill.

The "Guide" is completed with an up-to-date Glossary of radio terms. Many of the old terms have been re-defined and simplified, while new ones have been added to keep the reader abreast of technical developments.

An account of the "Radio Guide" should not be complete without reference to its cover. Done in the familiar blue and orange colours, it is of modern design portraying a valve on a background of wireless waves. It stands out well and can be easily recognised.

An Invaluable Publication.

THE "Guide" is a publication invaluable to anyone interested in radio, and our advice is to secure one before it is too late. In previous years we have had to either reprint or allow the late would-be purchasers to go without their copy. This year, we shall not be reprinting and do not want to see anyone disappointed. The moral is, buy your copy early. It may be had from most booksellers and dealers, or failing them, direct from the publishers, Box 1032, Wellington, to whom dealers and booksellers are referred for further information.

The "Radio Times"

First Issue This Week

AT the end of this week the first issue of the "N.Z. Radio Times" will be available. We have great pleasure in introducing to the New Zealand radio enthusiast this new member of the family of radio publications now issued by ourselves. Really we feel quite proud of our "baby," and we are sure when the enthusiast has seen it he will forgive us. It is printed upon good paper, which means that illustrations are reproduced much more clearly than they can be on the rotary press on which the "Radio Record" is printed.

Our feature article is a splendid long story of the early days of broadcasting, told by Mr. L. Spackman, who is one of radio's earliest associates. Mr. Spackman has a delightful style and readers of his article are assured of a very entertaining and informative hour. Other specials are an interesting interview with Charles Forrest, who was the operator of the first broadcasting station in Wellington. Mr. Forrest's reminiscences are bright and humorous, the first of a series of articles on "Round New Zealand with the broadcasting 'B' Station," treating IZR, Auckland, and Mr. F. W. Sellens on "Five Years of Broadcasting." There is an interesting account of the new 200-kilowatt broadcasting station at Prague, and a resume of some points which may quite possibly be asked in the forthcoming Radio Servicemen's Examination.

Discriminating readers will find the opinions of the radio trade in New Zealand on "What I expect of the Radio Board in the next three years" of more than passing interest. We wrote the principal dealers and distributors asking them this question, and their replies are bristling with interesting and, in many cases, controversial points.

As a regular feature the page of "Jottings of Interest to the Beginner" should prove acceptable to most listeners. This is not an introduction to the science of radio, but is an account couched in terms of methods of improving reception which the average listener can understand.

Of interest to the technical reader will be an account of valves and valve characteristics. In this article the writer presumes the reader has no previous knowledge of valves and explains how amplification takes place. He then goes on to explain the meaning of the more familiar terms mentioned in valve characteristics and how they are obtained. He then works out a complete set of valve curves and shows the reader what each curve means and how to interpret the valve performance from the curves. Then he gives the curve and characteristics of an actual valve. By studying this article anyone not at all familiar with valves will be in a position to interpret the average tables and curves.

Probably the most interesting feature from the enthusiast's point of view will be a description of the "DX Two,"

a modern two-valve receiver, comprising screen-grid detector and pentode. This set uses reaction, obtaining it in a novel way by a differential condenser used in the screening-grid circuit. The pentode is specially matched to the speaker by a transformer, and those who build the "DX Two" will discover that it is not misnamed.

Log Section.

THEN there is the Radio Log Section. This dxters will look forward to with keen interest, and we hope they will not be disappointed. There are the usual dx features, and, in addition, we are starting this month a new feature—"Notes and News From the Centres." Dx members are aware that secretaries are being appointed in each of the main centres, and it is their duty to keep the club notified of all doing in their district. This will be done per medium of their page in the "Radio Log," as we are calling the dxters' section of the "Radio Times."

There are many new and amended Q.R.A.'s and names and addresses of additional members to the Dx Club.

Radio Digest.

DEALERS will find the "Radio Digest" section, which goes out to them only, of great interest and value.

Next Month.

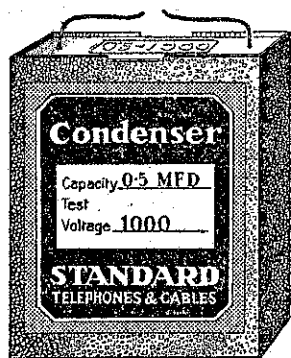
SEVERAL interesting features are being planned for the next month's "Radio Times," and announcements will be made upon these in the near future. The technical department has an excellent receiver "up its sleeve," and before long the sketch details will be released.

In future issues of the "Times" we intend to have a "Query Corner" somewhat similar to that of the "Radio Record." This will deal with queries in more detail than is possible in the "Radio Record," and will also specialise in difficulties encountered by constructors of "Radio Times" sets.

Secure a copy of this month's "Radio Times" at 9d and we are sure you will place your order for a regular supply. In these days we cannot afford to overprint, with the result that those who do not get in early are almost certain to be disappointed.

Observe that the publication date of the "Radio Times" will be the first of each month. We apologise for this issue being a little late, but as readers no doubt guess, this has been due to the extra work involved in the production of the 1932 "Radio Guide," but now that is out, we can promise the "Radio Times" regularly by the first of each month.

THE 1932 GUIDE and CALL BOOK is out! 160 pages crammed with useful and interesting matter. On sale everywhere 2/6, or 2/10 posted. Box 1032, Wellington.



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