# RADIO GOODS

What to Buy and Where

BURGESS RADIO BATTERIES, All Radio Dealers.

LOFTIN-WHITE AMPLIFIERS, Stewart Hardware Ltd., Courtenay Place, Wellington.

MULLARD VALVES ..... All Radio Dealers.

Kingsford Smith uses Bur-BURGESS
gess Batteries. Commander Byrd uses Burgess. More Burgess Batteries are sold in New Zealand than any other make. Why?

RADIO BATTERIES

"Practical Testing Systems," by Rider

Leutz & Gable's "Short Waves." 19/-. (A wonderful book on subject). "Radio Amateur Handbook" (Handy's 9th



N.Z's. OWN RADIO BOOKSHOP— NEW STOCKS BY EVERY OVERSEAS MAIL—IF NOT LISTED BELOW. "Badio Telegraphy & Telephony," by Duncan and Drew, 57/6. (Just out—every phase of radio science dealt with.)
Blue Prints for 4 Valves A.C. Super-Wasp S.-G and broadcast receiver; Pilot S.W.

WRATE US.

"Radio Receiving Tubes," by Moyer and Wostrel, 21/-.

"Radio Construction and Repairing," by Moyer and Wostrel, 21/-.

"World Time Indicator and Radio Station Log," (clock dial—over 600 stations). 1/2.

"Television News," Gernsback, June issue, 2/-... Theory and Operating"

"Gernsback's "Short-Wave Craft" (a monthly), 2/-.

"Radio Telegraphy & Telephony," by Duncan and Drew, 57/6. (Just out—every phase of radio science dealt with.)

Blue Prints for 4 Valves A.C. Super-Wasp S.-G. and broadcast receiver; Pilot S.W. 4 valves; power amplifier audio stages and P.-P. 4 valves; 6 valves S.G. receiver; Pilot Turvayanal Super-Wasp. Pilot Universal Super-Wasp 5 valves A.C.; Pilot S.G. pre-selector 5 valves.

"Radio Servicing Course," by Ghirardi & Freed, 11/6. (Just out. No serviceman

issue, 2/-.
Loomis's "Radio Theory and Operating"
(U.S.A.) 32/6. A good book for any
amateur or operator.
Henney's Principles of Radio." 26/6.
Morecroft's new book "Experimental
Radio Engineering" (51 experiments). Freed, 11/6. (Just should miss this.) odern Valves,"

Modern Valves,"
1/6, "Batteries &
Accumulators,"
1/6. "How to Understand Dia-

By Ralph Stranger.

grams, 1/6.

"Service" (monthly digest of Radio maintenance, by Rider), 1/6.

"Radio-Craft" (Gernsback), 2/-. (A

"Radio-Cratt" (Gernsback), 2/-. (monthly.)
"Radio Engineering," 2/-.
"Badlo Guide and Call Book, 1932," 2/10.
"Break-in" (N.Z.A.R.T.), 7d.
"Modern Radio" (Kruse), 1/9. (A fit

(A fine

"Modern Radio" (Kruse), 1/9. (A fine monthly.)
"Atoms and Electrons," (Sullivan), 2/8.
"Eirst Principles of Television" (Dinsdale), 16/6.
"Radio Engineering Principles," (Lauer and Brown), 19/6.
"Wireless Made Easy" (Stubbs), 1/-.
"How to Become a Radio Amateur" (A.R.L.), 2/-.
"Radio Operating Ostns. and Ans.," by Nilson and Hornung, 19/6.
"Radio Frequency Electrical Measurements," by Brown, 35/-.
"Radio Handbook," by Moyer and Wostral, 37/6 (An unfailing coach for exams.).
"Armature Winding and Motor Repair," by Braymer, 24/-.
(Please note there is a rise of apprex. 63

wonderful book on subject).

"Radio Amateur Handbook' (Handy's 9th edition), 6/6.

"Radio News," Oct., Nov., Feb., March April, May, 2/- each.

"Q.S.T.," Sept., Oct., Nov., Dec., Jan., Feb. March, April, May issues, 2/- each.

Scott's Broadcast Time Chart (including log and complete list of world's long and S.W. staions), 7d.

"Wireless: The Modern Magic Carpet," by Ralph Stranger, 5/-. (New stocks just arrived—The "Radio Record" and Mr. Dawson, Philips Lamps, say no set owner should miss this.)

"Radio Call Book and Technical Review," (formerly Citizens' Call Book Quarterly), 2/-.

Mack's List of World Short-wave Stations, 7d. (Don't miss this.)

"Mathematics for Practical Man," by Howe. Simplicity itself, 10/9.

"Radio: A Study in First Principles," by Burns, 15/- (Simple and clear).

"Elements of Radio Communication," by Morecroft, 18/6. (Please note there is a rise of approx. 63 per cent. on all American publications, and don't blame us.)

OUR LOCAL AGENTS: (Inspect local stocks).

OUR LOCAL AGENTS: (Inspect local stocks).

Auckland: F. R. Jeffreys, 466 Queen St.
Bienheim: Tomlinson & Gifford.
Christchurch: A. T. Williams, Bookseller, 85 Cashel St. W.
Dunedin: Duncan and Simpson Ltd., Booksellers.
Gisborne: C. W. Muir, Bookseller.
Hamilton: Paul's Book Arcade.
Hastings: Hall's Bookshop.
Invercargill: Miss I. Lyon, Bookseller, Dee St.
Napier: Storkey's Bookshop.
Nelson: Keith Walker, Baird's Buildings.
New Plymouth: Fyfe's Bookshop.
Palmerston North: Radio Supplies & Service Co. (E. B. Borham), 245 Main St.
Stratford: Gardner's Book Shop.
Thmaru: J. H. Healey, Bookseller.
Wanganui: Poynter's Bookshop.

ALL RADIO MAGAZINES STOCKED. PRICES QUOTED INCLUDE POSTAGE.
WRITE US NOW

#### DEPOT COOK ARO

GA COURTENAY PLACE, WELLINGTON

# Stations Identified

(Continued from page 11.) same programme at R6. He also stated that KRLD works on Saturday nights only. On other nights KTHS was operating. Station on 970 k.c. (309 m.) is KJR, Seattle.—DX64A (Mokau).

### DX Topics

#### Test Programme by 4ZL.

DX1200C has sent in particulars of a special "mystery broadcast" by 4ZL, Dunedin, at 7.30 p.m. on May 30. Unfortunately his letter did not reach us 4.: Because of its design. It is not strictly conditions at the set not oscillate above about 350 metres? Unfortunately his letter did not reach us in time for publication in last week's strictly speaking a regenerative set, and "R.R." How many heard this programme?

Unanswered Reports.

I HAVE been waiting for some one more able than myself to mention the subject of the treatment some stations give reports from dxers. I admit the majority

#### Auckland Branch

THE first Auckland branch meeting of the DB Club will be held on Tuesday, June 7 at 7.45 p.m. in the showrooms of Atwaters Piano Ltd., Queen Street (Next Civic Theatre). All Auckland members are requested to make an effort to be present.

R. J. O. KERR. District Secretary.

of them are very prompt in replying, but there are a few who do not, notably 4ZL. I have sent in no less than three reports, with stamps for reply, and so far have not heard from them. The least one can think is that reports are thrown into the W.P.B., after the stamps are extracted. It is not so bad for the old hands, but the the shot so bad for the old hands, but the club wants to help new members, and the only way to do this is to let them know the stations who do not reply. Could the club secretaries interview their nearest stations and definitely obtain this nearest stations and definitely obtain this information? Then the stations which do not intend verifying could be published, and new dxers would be saved both time and money.—"Digger" (Hamilton).

#### DX Notes.

RECEPTION of American stations has

RECEPTION of American stations has been very good on Kapiti Island lately. The Beverage aerial is certainly the thing for separating the stations KRLD and KYW are the loudest at 4.30 p.m., while KMOX comes in very well at 4 o'clock. WHK, Cleveland, and KLRA, "The Voice of Arkansas," were logged before 5 p.m. recently.

A verification from KDB, Santa Barbara, says: "KDB operates 16 hours each day, 8 a.m. to 12 midnight, P.S.T." KFVD, Culver City, when verifying my reception of January 23, 1932, says:—"Thanks very much, This is the first time our Spanish programme has been heard in the 'Roaring Forties' om every weekday between 6 and 7 a.m., P.S.T. weekday between 6 and 7 a.m., P.S.T. The announcements are all in Spanish, only the few I make in English every 15 minutes, when station call is given. The last American mail brought me a letter from KFYR. It says: "Thank you letter from KFYR. It says: "Thank you for your letter, and you will find our new stamp with a sketch of our new transmitting station on it enclosed. We have been waiting for some time for our transmitting station of the state of the sketch of the state of the sketch o have been waiting for some time for our stamps, hence the delay in answering. Please write us whenever you pick up KFYR; we are more than glad to get long-distance' letters.—Helen Taylor." Their stamp is a very fine one and well worth writing for.

Some time ago I wrote to WSAR, I also up Fall River, Massachusetts, and they sent ating or me their schedule. "Our breadcasting church). me their schedule.

## Ouestions and Answers

(Continued from page 10.) which would provide a slight bias on the audio and at the same time cause the valves to operate at their correct potential of 5.5 instead of the six volts delivered by the "A" battery.

2. Why will the set perform with the "O" bias removed from the detector? A.: Detection is probably taking place in one of the valves prior to this, or a leakage is taking place within the valve

1 V2 (Wellington): Could I add a screen-grid detector to the "Sellens Shortwave" set without altering the audio stage?

A.: Unless the screen grid detector is followed by a resistance capacity coupling, there is not much to be gained in using the screen-grid detector.

2. Is my potentiometer grid return connected correctly?

A.: The correct connections follow:—One side of the potentiometer goes to A— on the detector valve, the other side to A plus or earth, for A plus in this circuit is connected with the ground. The centre tap goes to the grid leak.

3. What are the correct voltages of a 3003 "B" and "C" eliminator?

A.: The voltages depend upon the amount of current you are taking from each tapping. Had you let us know how it was connected, we could have told you the various voltages. It is impossible otherwise.

T. K.M. (Christchurch): I have a three-valve well-known set, including one stage of screen-gird, and I can get only the YA stations on the speaker. Why cannot I get the overseas stations?

A.: There must be something wrong either with the valves or with some component in the set, because we tested this set and were able to bring in many overseas stations. Can you borrow a voltage which we have the voltage which meter and actually test the voltage which is on the detector valve? Possibly your primary has a high resistance join which primary has a high resistance join which is causing the trouble. Have you tested the s.g. valve and made certain that all connections are satisfactory? Are your aerial and earth in good condition? Try improving the earth, and see if this has any result.

is as follows," runs the letter, "daily except Sundays: 8 a.m. to 3.30 p.m., P.S.T.; 5 p.m. to 10 p.m., E.S.T. Wishing you success and luck in dxing, we remain, broadcastingly yours, all of us at WSAR." There is a good chance of other dxers picking up this station during the winter. The address is: Doughty and Welch Electric Co., Inc., WSAR, No. 10 Bedford Street, Fall River, Mass. I agree with W. J. Welch re "guessing competition." It is much more interesting to hear a station call before jumping to to hear a station call before jumping to conclusions. How is this for a motto? "Don't guess, but listen!"—Ray J. Wilkinson (Kapiti Island).

#### Reports Wanted by WKBF.

MY latest logging is WKBF, Indianapolis, Indiana, 1400 k.c. (214 m.), power 500 watts. They were asking for reports from New Zealand dxers.—DX64A (Mokau).

## KGU on Increased Power.

AT about 8.17 p.m. on May 26 KGU, Honolulu, on 750 k.c. (400 m.), was heard at about R5. The announcer read a host of congratulatory messages. I also understand that KGU is now operating on 2.5 k.w.-DX6MC