

ELECTRIC RADIOS

In building your Electric Radio, you must remember that a breakdown even of a single part may have very serious consequences. For this reason, greater care in choice of parts must be exercised than formerly.

You should send immediately for our large illustrated catalogue, which describes an endless range of apparatus chosen for its efficiency and reliability.

We cordially invite inquiries for items not usually listed by us, since we will always endeavour either to obtain it for you, even if it means manufacturing it. Our factory is well equipped with modern machines, and can turn out a surprisingly large variety of apparatus.

Transformers and Chokes.

These are the heart of the A.C. Radio. We are making the "Record" Transformer, with an output of 250 volts 50 mls on the high tension side, with three filament windings—5 volts 1 amp, 2.5 volts 5 amp, 1.5 volts 5 amp. Fully enclosed in crystal enamelled case, and covered by a guarantee. 230 volts, 50 cycles **£3/10/-**

Any size Power Transformer, Output Transformer, Choke, etc., can be made to order. Quotations on receipt of full particulars. **£3**

Ferranti and other makes of Transformers supplied.

Rectifiers.

Undoubtedly the best Rectifier is the Westinghouse, and though its price may seem high, it must be remembered that it never requires renewal, and can be used with a much simpler transformer. The 1171 Westinghouse gives 100 mls at 200 volts, and the price has been reduced from **£6/10/-** to **£4/10/-**. It is fully described in a Westinghouse Booklet, which will be posted on receipt of 3d. in stamps. New Westinghouse rectifiers include a 120-volt 20 mls price **£7/6**, and 180-volt 30 mls, price **£8/-**, but these will not be available in New Zealand for some weeks yet.

For Low Voltage Rectification—as in Battery Chargers, "A" Eliminators, Dynamic Speaker Rectifiers, we can supply 6-volt ½ amp at **£2/6**, and 6-volt 1 amp at **£2/6**, both in cases. Rectifiers, not in cases, cost **£3/-** for 9 volts 1 amp, and **£4/-** for 9 volts 2 amp. Both are available immediately. The Raytheon, 125 mls bulb, costs **£5/-**, and the Radiotron 230 **£3/-**. A holder for either of these valves, holding them very securely, can be supplied at **1/-** each.

Condensers.

There is no need here to enlarge on the reliability of Hydra Condensers—it is unquestioned—but attention is drawn to the following price reductions. The voltage given is the test voltage, and the working voltage must not exceed half these figures.

m.f.	500-v.	750-v.	1000-v.	2000-v.
s. d.	s. d.	s. d.	s. d.	s. d.
1	2 6	3 0	3 6	7 0
2	3 0	3 6	4 6	9 0
3	3 6	4 0	5 6	11 6
4	4 0	4 6	6 9	17 6
5	4 6	5 0	8 6	25 0
6	5 0	5 6	10 0	30 0

Buffer Condenser, Hydra. Consists of two 1 m.f. condensers, 1000-volt. A.C. **6/-** test, in one case.

Eliminator Condenser Block. Four 1 m.f. two 2 m.f., and one 8 m.f. Condensers in one compact unit. 16 m.f. total. You can buy this unit with every confidence. Price **36/-**

Hydra Condensers — Invariably Reliable.

COILS.—The Well-Mayde Patent Space Wound Coils can be supplied either in Hammarlund-Roberts or Brownie-Drake, in complete set of two coils. Price **34/6**

English Bakelite Coil Forms and Bases, 6-pin, are now in stock again.

RESISTANCES.—We can supply a full range of Variable Resistances, including Royalty at 6/6, Royalty Heavy Duty 10/6, Emmecostads 7/6, and Clarostats at 12/6.

WHY TAKE RISKS?

GUARANTEED RADIO APPARATUS

COSTS NO MORE

For 9 years we have been supplying discriminating amateurs throughout New Zealand with the BEST IN RADIO.

All Apparatus is expertly selected for its efficiency and reliability—yet our enormous turnover actually ensures **BETTER QUALITY AT LOWER COST.**

For fixed resistances, Vitreous enamelled are listed in our catalogue, while Do Jur Wire Wound with adjustable sliders, will solve many problems in Eliminators. 1500 and 1000 ohms cost only 1/9, while 2000 cost 2/6.

A set of Ward Leonard Resistances, 21,000 ohms total, is offered at the reduced price of **£2** per set (8).

Hum Eliminators.—Also called Balancers for AC Radios..... 7/6
Switches for AC Radios 2/6 and 3/6
Shields.—Well-Mayde, very heavy gauge aluminium..... 10/6
Ace, lighter gauge..... 9/-

Metal Cabinets made to order from heavy aluminium, either plain, or crystal enamelled.

NEWCOMBE-HAWLEY

DYNAMICS

The Acid Test

is to switch instantly from a N-H Speaker to any other.

Your Musical Friends will invariably select the NEWCOMBE-HAWLEY because of its **WONDERFUL FIDELITY OF TONE.**

REDUCED N-H D6—6-volt..... **£6/17/6**
PRICES. N-H D80—230-volt. A.C..... **£10**

Beverly Type Cabinets, extra..... **£3/10/-**

DELIVERED FREE ANYWHERE IN NEW ZEALAND.

Magnavox Speakers same price.

ELECTRIC GRAMOPHONE ACCESSORIES.

PICK-UPS.

Webster, with Tone Arm **£5/10/-**
Webster, without Tone Arm **£4/10/-**
Pacant, with Tone Arm **£4/17/6**
Pacant, without Tone Arm **£3/10/-**
B.T.H. Latest model, with adjustable Tone Arm, inclined to give perfect Track Angle..... **£5**
B.G.E., with Tone Arm **£3/10/-**

MOTORS.

B.G.E. Electric..... **£7/15/-**
G.E.C. Induction, absolutely silent..... **£10**
Garrard Spring **£2/2/-**, **£3/3/-**,
£4/4/- and **£8/8/-**.

VOLUME CONTROLS.

In small neat case, so that it can be used at a distance from the machine if desirable. Can also be used as a volume control for your Radio, enabling just the right amount of

volume to be adjusted from your set at the table. Easily fitted. **13/6**
Control only, no case **8/6**

REPRODUCERS AND TONE ARMS.

These are for ordinary gramophones. Write us for particulars of a really fine range of Reproducers which will bring your present machine right up-to-date. A TRIAL will be arranged, you to be the sole judge.

Gramophone Motors of all kinds, fitted in cabinet for Electric Reproduction, can be built to order. For Picture Work, two motors are usually built into one cabinet.

Special

Radio Bargains

Discount Up to **33 1-3 per cent.**

From this Column Only.

SEND FOR COMPLETE BARGAIN LIST!

Coupon must be enclosed.

Arresters, Keystone.....	s. d.
Coils, Hammarlund Neutrodyne (3).....	15 6
Condensers, .00035, .0005.....	6/8 to 15 0
Dual.....	16/6 to 26 0
Triple.....	21/- to 45 0
Quadruple.....	60 0
Cables, Battery, Acid Proof, 5-wire.....	5 0
6-wire.....	6 0
Condensers, Sangamo .001 or .002.....	2 0
Gramophone Pick-ups, Edison Bell.....	39 0
Acuston.....	25 0
B.G.E., with tone arm.....	75 0
Speakers, Exponential, Baldwin.....	112 6
Units.....	15/- to 30 0
Speaker Units.....	150 0
Dynamic Speakers, B.T.H. 6-volt.....	150 0
N. and K. This works from a 32-volt Lighting plant.....	150 0
Peerless, 6-volt.....	150 0
Rheostats, 15 ohm.....	0 9
6 ohm.....	1 6
50 ohm.....	2 6
Amperites and similar Resistors.....	4 6
Terminals, engraved, full set, with Formica Strip for mounting, (13).....	3/- per set to 8 9

EASY TERMS ON ALL RADIO APPARATUS.

Write, stating articles required. Deposit and instalments that **SUIT YOUR CONVENIENCE.**

Transformers, Audio, Favourite, 3½:1, 5:1..... 8 6
One of each ratio for..... 16 6
B. G. E., 4:1, 25/-; 2:1..... 20 0

These very fine transformers are offered at the above absurdly low price simply because of overstock. Get in early—a similar offer occurs only very rarely. One of each ratio, 42/- the pair.

Ediswan PV5DE Valves, English Base, 6-volt..... 7 6
Myers Valves, all types..... 4 6
6 for 20 0

Tungar Bulbs, Plate connection at top, 2 amps..... 20 0
Electric Motors, ½ h.p., new, A.C. **£25 0**
1-6 h.p., ditto..... **£24 10 0**
Brest Drills, ½ in. Chuck..... 35 0
Hand Drill, ½ in. chuck..... 9 0

COMPLETE RADIOS.—We have a few of various types, new and slightly shop soiled, but otherwise in perfect order. No old type sets which are so inefficient that they are not worth giving away. Write for prices.

RECORD COUPON.

Johns, Ltd.,

Box 471, Auckland.

I enclose "Record" Discount Coupon.

Please send me goods as on enclosed order, list value £..... from your Radio Bargains.

You will allow a discount from the above, as follows: Under £1, 20 per cent; £1-£5, 25 per cent.; over £5, 33 1-3 per cent.

Name.....

Address.....



JOHNS LTD.

Chancery Street

Auckland