20,000 PEOPLE
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"MAGNAVOX"
SINGLE DIAL CONTROL SETS

SEE EXHIBIT MESSRS. ANTHONY HORDERN & SONS, LTD.
Sets, Valves, Speakers, Amplifiers, Also.
Licensed under Hogan Patent No. 1014002.
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all these Stations can be brought in with a flick of the finger.
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Information for the Crystal and Valve User
Distance no longer a bar!

UDISCO
RADIO RECEIVERS

Lay Australia at your finger-tips.

Matthew Flinders in his final craft could never have dreamed that his feat of navinity in circumnavigating Australia would be duplicated slightly but a short century later.

Yet this is so. Ninety, owners of "UDISCO" Radio Receivers—without stirring from comfortable homes—are accomplishing what in former days required many who had to brave the elements.

All "UDISCO" sets, whether, "Righty," "Lefty," "Five," or "Clyde," are built to a standard of excellence in assembly and design never before equaled in the world.

Only the best components—assessed with scientific precision by a specially trained corps of radio Engineers—are incorporated. The "Capnodizer" circuit employed ensures reception of transmissions spanning an any wavelength between 20 and 2000 metres. This circuit—a pure Australian invention—gives selectivity, volume without distortion, superb tone quality and ease of control.

Tuning dial synchronizer—wavelengths are controlled with one switch—Volume by another.

Laid in full polished cabinets of pleasing design, "UDISCO" Receivers are masterpieces of craftsmanship.

"UDISCO" Right: "UDISCO" Six on Stand with Tweed Loud Speaker, Clyde Loud Speaker, Clyde and Wire Accessory, Ray-O-Vac Batteries, Vents, & Batteries, Valves and Aerial Equipment 110 gns: 95 gns.

"UDISCO" Left: "UDISCO" Five: "UDISCO" Three, with Tweed Speaker, and complete set to Five: Bateria, 250g., etc.

United Distributors Ltd.
72 Clarence St., Sydney.
Melbourne, Brisbane, Adelaide, Perth, Wellington, Launceston, N.E.
S.A. Adelaide.
New Price 45/- Each

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The Table-Talker makes a friend of the electrical impulse

Acoustics is the science of sound. Radio acoustics is the science of transforming the electrical impulse into audible sound. The electrical impulse is a jolly little fellow who needs to be consulted if you are to get the best out of him. We've been making friends with him for seventeen years and the Table-Talker is but one result of our efforts. The goose-neck horn means clearer and more rounded tones, and the patent material of which it is constructed eliminates any suggestion of harshness or metallic resonance. Fitted with an adjustable diaphragm, it is finished in a pleasant shade of neutral brown. Height 18", bell 10".

Now 45/- each

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DEPENDABLE ALWAYS

The popularity of Ever-Ready Batteries is due to their dependable qualities. They are always fresh and give maximum service.

EVER-READY RADIO "B" BATTERY

These batteries are unsurpassed for radio service. Made in Australia from the finest selected materials—quality ensures the best results to hand.

Positive connections are arranged to suit all required voltages.

Note the very moderate prices:

<table>
<thead>
<tr>
<th>For 1 to 2 Valve Sets,</th>
<th>For 2 to 3 Valve Sets,</th>
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<tr>
<td>WP 20 Volt ........ 5/-</td>
<td>XP 20 Volt .......... 10/-</td>
</tr>
<tr>
<td>WP 40 Volt ........ 15/-</td>
<td>XP 40 Volt .......... 21/-</td>
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<td>WP 60 Volt ........ 18/-</td>
<td>XP 60 Volt .......... 31/-</td>
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Prices quoted apply only in N.R.W.

Obtainable from all up-to-date dealers.

If unprocured locally, write for address of nearest source of supply.

EVER-READY CO. (Gt. Britain) LTD.

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THE CRYSTAL WITH VALVE POWER

NEUTRON CRYSTALS operate a loud speaker.
Many owners of crystal sets are now operating loud speakers with NEUTRON CRYSTALS.
Next month E.B.I promises to increase their volume. This will enable the owner of a crystal set to operate a loud speaker with sufficient volume to fill the house, provided he uses a NEUTRON.

THE CRYSTAL IN THE BLACK AND GOLD BOX WITH THE SILVER CATS WHISKER.

FOR SALE AT ALL DEALERS at ........................................ 2/3
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482 Pitt St. (opposite Marcus Clark's)

THE RELIABLE RADIO HOUSE
On Terms.
Loud Speakers, and Headphones, etc.
Any Radio Goods on TERMS or Lay-By.

A balanced precision instrument scientifically designed, having extreme accuracy, combined with mechanical strength. Supplied with or without Vernal adjustment.

Made by the makers of "UTILITY" No-capacity Change-over Switches.
Agent: A. E. ACKLAND,
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Birmingham, ENGLAND.

THE "UTILITY" VARIABLE CONDENSER
Patent No. 267694

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NEW PRICE
£6/10/0 EACH

De Forest Type H
Transmitting Valve

RATING 150 WATTS

Designed for Reliable Long Distance Communication from 1 metre to 200 metres

Plate Voltages,
800 to 3000
Plate Currents,
40 to 100 m. a.
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10 volts
Filament Current,
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AUSTRALASIAN FACTORY REPRESENTATIVES
The wireless weekly: the hundred per cent Australian radio journal

Friday, May 14, 1926

WIRELESS WEEKLY

Published by Publicity Press Ltd., 12/14 Regent St., Sydney, Australia.

Editor: A. W. WATT. Technical Editor: C. W. BLADE.

The Editor will be glad to consider Technical and Topical Articles of interest to the Broadcasters. All Manuscripts and Illustrations are sent at the author's risk, and although the greatest care will be taken to return unaccepted matter (if accompanied by stamps), the Editor cannot accept responsibility for its safe return.

Subscription Rate: Twelve months 6/6 post free. Six months 3/3 post free. Single Copies 5/- each, or post free 4/-.

Advertising copy must be in the hands of the Managing Editor by the Friday preceding each issue. If copy is not received in time, the previous week's advertisement will be repeated.

"Questions and Answers." All requests by non-subscribers calling for technical advice or drawings must be accompanied by postal note or stamp to the value of 1/-.

Arrives in Great Britain.—The Colonial Technical Press Ltd., Dudley House, Southampoton Street, Strand, W.C. 2.

All accounts should be made payable to Publicity Press Ltd., 12/14 Regent Street, Sydney.

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THE PROGRAMMES.

In the columns of this paper during the last two or three weeks there has been considerable discussion with regard to the quality of the programmes put out by our Sydney stations, with particular reference to 2BL. It should be pointed out that the letters that were published constitute only a small proportion of the number that were actually received, a careful checking up of which shows beyond all doubt that if these letters may be taken as representative, then something like 90 per cent. of the listeners throughout New South Wales are entirely satisfied with the programmes.

We take the view that with due consideration of all aspects of broadcasting in New South Wales, then the Sydney Stations (and, it must be said, 2BL in particular), are giving us a service which could not, under existing circumstances, be improved upon. It must be remembered that the limitations of anything are entirely determined by financial considerations, and the plain fact is that, to narrow the controversy down to 2BL, that station is supplying a service far more comprehensive and satisfactory than can reasonably be expected of it, considering the amount of revenue received in hard cash.

It is an old but very true saying that, "you cannot get blood out of a stone"—it is neither just nor reasonable to expect us complete a programme from 2BL as from, say, 3LO, when the latter-station receives a financial return far in excess of 2BL’s. Another point of view is that 70 per cent. of the revenue in New South Wales goes to 2FC, the remaining 30 per cent. to 2BL. The fairer comparison therefore would be not between 2BL and 3LO, but between 2BL and 2FC.

Despite the financial handicap under which 2BL labours, it should not be forgotten that before long a new high power installation will be on the air, thus showing conclusively that the needs of the public are of first importance to the management. Given a more equitable method of apportioning the revenue, the service, as long as it is in force at the present time, any doubt that exists as to whether or not the quality of programmes is directly determined by financial return would be quickly set at rest.

That there is occasional overlapping or duplicating by both 2BL and 2FC goes beyond saying, but, this, together with other discrepancies which inevitably breed dissatisfaction could be easily overcome with the aid of a little co-operation.

A. W. WATT.
Montrose Low Loss Condensers

Make all the difference

Low phase angle loss. Low insulation leakage due to scientific design and construction. Rotor grounded to frame eliminating hand capacity effect. Improved adjustable bearings resulting in smooth easy action of rotor. Studly construction making it mechanically perfect.

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- **Square Law**: 22/6
- **Standard Low Loss**: 18/6

Try one in your set and note the difference.

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**REACTONE LOWEST LOSS COILS**

The Very Latest Invention — Just Arrived

Tension winding gives the best air sparc formation—low self capacity—sharper tuning—better reaction—and uniformity.

Each Reactone inductance is wound by a special process, applying a constant tension to the wire.

The formation of Reactone Coils gives the efficiency of basket coils without the disadvantage of小说e or wax—the efficiency of solenoid coils without their bulk.

Use “REACTONES” on all valve and crystal sets for greater strength of signals and long distance work.

**PRICES:**

- 25's, 6/3;
- 35's, 6/9;
- 40's, 7/–;
- 50's, 7/6;
- 75's, 8/3;
- 100's, 9/6;
- 150's, 11/6.

**Parsons and Whitemore Ltd.**

Radio Department, 30 Market Street, Sydney
Valuable Information for the Crystal and Valve User

By Wireless Weekly

We are constantly receiving letters from our readers, who state that they are very anxious to learn the Morse Code but, unfortunately, are unable to tune in Station 2WW. The reason for this is not because they are out of Crystal range with our station, but in many cases it is due to the fact that the receivers they use will not tune down low enough for the wavelength which we work on (viz., 200 metres). Therefore, most of the short wave receivers have employed valves as detectors, but with the crystal detector receiver to be described in this issue it is possible to receive amateur phone transmissions on wavelengths considerably below 200 metres. The usual method of showing the back view is given for the benefit of the beginner who invariably does not understand the circuit diagrams.

The materials required are not costly. The inductance or tuning coil is of the two winding type with primary and secondary. This, together with the tapped crystal circuit, provides excellent selectivity for low wavelengths.

Method and Order of Construction.

A three inch cardboard former should first be varnished or vacuumed to exclude moisture. After the tube is thoroughly dry, two small holes should be punched near one end of it and the wire looped through these holes, so that about six inches of wire is left for connecting to the terminals. Next, wind on 50 turns of No. 22 d.c.e. wire, taking a tap at the 10th, 20th, 30th, and 40th turns. The method of making these taps should be as follows: Wind on ten turns, then make a six inch loop in the wire. Carefully twist together the two wires which form the loop. Punch a small hole in the cardboard former as near to the 10th turn as possible; pass through the two strands of wire. Now wind on ten additional turns and make another loop, and so on until 50 turns have been put on.

After the coil has been completed, take a penknife and scrape the ends of the two wires of each loop, after which they should be connected to switch studs. The ordinary loose coupler wood ends are quite O.K. for mounting the switch arm and studs.

Take particular care to see that the four tapplings go to the correct studs, viz., 10th, 20th, 30th, and 40th turns go to the 2nd, 3rd, 4th, and 5th studs, and the beginning and end of the wire go to the 1st and 6th studs respectively. Directly over the secondary coil (shown as L2 in circuit diagram), is mounted the primary coil L1 which should consist of 12 turns of the same gauge wire. It will be readily seen from the circuit diagram or back view that the two ends of this coil go to the aerial and earth terminals. The variable condenser, which tunes the secondary, may be a 0.01 or a 0.005, but for the very low wavelengths a 0.005 will prove the most efficient. With either of the condensers, however, the wavelengths of 2WW, 2KY, or 2UK can be successfully tuned in. Furthermore, the same receiver can be used for reception of all the other lower wave broadcast stations within Crystal range. For wavelengths above 200 metres the switch arm should be placed on the 6th stud. For the low wavelengths care-
The wireless weekly : the hundred per cent Australian radio journal

Wireless Weekly

Friday, May 14, 1926.

The QUAM
Radio's Best Speaker

Invented and manufactured by James P. Quam, of the Quam Radio Corp., Chicago, U.S.A., the manufacturers of Quam Condensers, the only Condensers in the World with Pyrex end-plates—Quam Transformers, and numerous other of the very highest grade Radio products.

Mr. James P. Quam, who is recognised throughout the whole of the United States as one of the leading Engineers in all Radio production, visited Australia last year to consult with the United Distributors Ltd. on the production of Radio Sets that would be entirely satisfactory for all Broadcast recording purposes throughout Australia, and the result of his work, combined with that of the Engineers of the United Distributors, has resulted in their superlative "UDISCO" type Sets.

Mr. Quam, however, was not satisfied that any of the Loud Speakers available in Australia were giving satisfactory reproduction, and bent his inventive mind and whole energies towards producing something absolutely superior to the others, and satisfactory in all respects. The QUAM SPEAKER is the result.

One of the essential differences of the QUAM from all other Speakers is a Silver Drumhead Diaphragm of 3/1000 inch thick that not only faithfully reproduces every articulation of the human voice, but also gives a musical tone that cannot be equalled by any other Speaker on the market today.

Price, £9 10/-

See the QUAM on our Stalls, No. 14, at the Radio Show; or at your nearest dealer—he will be pleased to demonstrate.

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56 Charles St.
26 Queen St., Perth
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N.Z.
ful experiment is necessary with the tapped crystal circuit, and the tuning of variable condensers. The receiver is wonderfully selective when any one of these tapped positions are used.

The following materials are necessary to build the crystal receiver:
1. 3 inch cardboard former.
2. Switch arm.
3. Wood end.

Circuit Diagram.

6 switch studs.

1 Radion or Bakelite panel, 7 x 5 inches.
1 Radion or Bakelite panel, 12 x 1 inch.
1 Crystal Detector.
1 Variable condenser, .0005 or .001.
6 Terminals.

Tapping Threads and Drilling Panels.

The average home constructor, in spite of his small kit of tools, usually makes a very creditable looking receiver. Those readers who have visited the Amateur Stand at the Exhibition will, we feel sure, quite agree with the above statement.

The following table, which shows at a glance the size of hole necessary for clearance or tapping of certain gauge screws, should be very helpful. There is probably nothing more annoying than to unscrew a terminal head and find that the whole thing revolves. By carefully drilling the correct size hole, however, the thread of the terminal itself will usually cut sufficient thread in the panel to prevent this happening.

The first column shows the sizes of the various screws used for radio purposes. The first figure shows the size of the screw and the following figure in that column denotes the number of threads to the inch. The second column shows the size of the drill necessary for a hole that is to be tapped for threading, and the third column shows the size hole necessary for full clearance of the screw. Example: If a piece of radion or bakelite is to be tapped for an 8-32 screw a number 28 drill should be used. If, however, a clearance hole is required the No. 18 drill is needed.

The most common sized screws used for radio work are 4/32, 6/32 and 8/32 machine screws. The 6/32 will generally be found to be the size used for securing condensers, rheostats, etc., and are invariably supplied with the apparatus.

<table>
<thead>
<tr>
<th>Size of Screw</th>
<th>Tap drill size</th>
<th>Clearance Drill size</th>
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<tbody>
<tr>
<td>6-32</td>
<td>32</td>
<td>26</td>
</tr>
<tr>
<td>8-32</td>
<td>32</td>
<td>26</td>
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<td>10-32</td>
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<td>12-32</td>
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<td>14-32</td>
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The most commonly used sizes 3/32" machine screws. The 5/32" will generally be found to be the size used for securing condensers, rheostats, etc., and are invariably supplied with the apparatus.

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<th>Size of Screw</th>
<th>Tap drill size</th>
<th>Clearance Drill size</th>
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<tbody>
<tr>
<td>1/8</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>3/32</td>
<td>18</td>
<td>18</td>
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<tr>
<td>5/32</td>
<td>18</td>
<td>18</td>
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WIRE FENCE FOR EARTH.

Mr. George Weston who is at present holidaying at Haselbrook writes us that reception at that locality is unusually bad, static being very much in evidence. The earth being the main trouble, he tried all the usual methods of burying a short of iron, kerosene tins, water tanks, and iron roofs and found them all very noisy. A counterpoise was found of no use, and as a last resource he tried the wire fence, which proved to be more than satisfactory. This is a useful tip to those who may be up against the same problem.
Tuning In

In thousands of homes people are tuning in on their radio sets.
Scarce a sound; a slight turn, a faint noise; another adjustment, and then clearer and clearer comes music from the air.
Is your nightly "tuning-in" as simple as this?

If you want simple, quick and more selective tuning use AWA Coils.

AWA Duolateral Coils

Wound on automatic, precision machinery, AWA Duolateral Coils combine high conductivity with effective insulation between turns. They are mounted on dielectric bakelite coil plugs, and a black celluloid diamond strip, and then the windings are specially bound with black waxed thread, which holds the coil rigidly in position.

AWA Coils are non-hysteresis, offer very low radio-frequency resistance, and coil capacity is at a minimum. They may be used as tuning, loading, coupling, or wavemeter inductances, ensuring the highest degree of efficiency for your set.

Made in sizes to suit your requirements, each AWA Duolateral Coil is attractively boxed, and the wavelength chart printed on the carton. Also supplied unmounted in red cartons.

AWA Mounted Coils are supplied only in Blue Cartons.

At all Radio Stores.

Amalgamated Wireless (Australasia) Ltd.
Queries Met By Every Beginner

By "WIRELESS WEEKLY."

We are this week dealing with three more queries sent in by readers:

1. Can a loop be used with a one-valve receiver for broadcast reception?

A loop will (generally) be satisfactory for such a receiver, because the feeble impulses which it receives will not saturate the detector valve sufficiently to reduce the flow of the headphones. A loop can only be used for reception of broadcast wavelengths, where the receiver employs one or more stages of high frequency amplification. In this way the feeble impulses collected by the loop are magnified so that they are strong enough to be heard after being rectified to an audible signal by the detector valve.

Those readers who will experiment with a good loop, using one stage of radio, tuned plate methods, will be very greatly surprised at the results they will obtain. While an aerial has certain directional effects, it is not practicable to move it about so that signals from all directions may be received with comparatively equal strength. A loop, however, can be rotated without much effort for directional effects. The larger, physically, the loop is, the greater its energy pick-up. Remember this when constructing yours.

2. What tools do you consider necessary for the average home constructor?

The following list of tools is absolutely necessary where one wants good work to result:

- Adjustable square
- Pair of dividers
- Pair of wire cutting pliers
- Pair of long nose pliers
- Pair of round nose pliers
- Centre punch
- Screwdriver
- Soldering iron
- Hand drill and set of drills.

(See table showing size of drills necessary for tapping or clearance.)

- Screwdrivers, various sizes
- Hammer

3. Should a counterpoise be placed underneath the main aerial and what length should it be?

Probably the most efficient counterpoise system is one which is an exact shadow of the main aerial, and is situated directly underneath. Where this is not practicable or practicable, however, the counterpoise may consist of a number of wires placed at different angles, and covering as much surface area as possible. For convenience it should be from 8 to 10 feet above the ground.

It is a very good plan to tune the counterpoise to the exact fundamental of the aerial. Where a wavemeter is not available this may be done (approximately) in the following manner: Tune to a weak station with the main aerial and earth connection. When the correct settings have been obtained, carefully note the volume. Now connect the counterpoise in lieu of the aerial, being careful not to alter the tuning adjustments of the receiver. Invariably the counterpoise will have a smaller inductance value than the aerial, therefore its fundamental may be smaller. In this case inductance must be added. To find the correct amount required, an ordinary coil fitted with a slider should be placed in series with the aerial and adjusted until the same volume of signal is again obtained.

If the signals are weaker when the inductance is added, you may be sure that the fundamental of the counterpoise is larger than the fundamental of the aerial, in which case a variable condenser must take the place of the inductance. Due allowance in volume, of course, must be made for the difference in height of the aerial and counterpoise.

Readers should remember our oft-repeated remarks that none of us can be sure our earths are efficient until we have given the counterpoise a trial. See Fig. 1 for method of tuning counterpoise.

---

WANTED.—All kinds Secondhand Wireless Sets, Parts, Speakers, etc. Best prices given. JACK RAPKEN, 16 George Street West. MW 1201.

BURGESS—“Power! Harmony! Endurance!”—BATTERIES.
FAMED THE WORLD OVER
FOR QUALITY, TONE AND DEPENDABILITY.

The Wireless World recently landed a complete range of additions to the famous Igranic components, and the Dual Variable Condenser is a typical specimen.

The most interesting, however, are the Igranic Supersonic Heterodyne Outfits, which have created a tremendous impression. The first shipment was instantly sold, and orders for the next, shortly to arrive, will be executed in rotation.

BROWN.
There are now EIGHT models from which to choose, and one of the new types, the Cabinet, is illustrated. Prices range from two pounds to twenty guineas, and there is a model to suit every pocket.

At the back of this name stands an organisation rich in the experience resulting from many years devoted to the production of Headphones and Loud Speakers. They are unrivalled for tonal purity and volume.

OLDHAM.
We have been appointed sole agents for the Oldham (Special Activation Process) Battery, and you should investigate its unique merits before investing in an accumulator.

Due to the patented method of construction, the plates are rendered active right through, and not merely on the surface as in most batteries. The charge is obviously held much longer, with consequent large saving in charging costs.

NOYES BROS.
(SYDNEY) LTD. (MELBOURNE) PTY. LTD.
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MELBOURNE: 456 Bourke Street.
ADELAIDE: Darling Baths, Franklin Street.
BRISBANE: 145 Margaret Street.
And at LAUNCESTON, also from J. W. R. Gardam, PERTH.

Write for Brochure No. 16, post free.
A PLEA FOR HONESTY

By "HELLO."

I have been interested in discovering the effects of the alteration of the power of Eartons's service in Sydney. To the north of the new station at Domain Hill the change has been met with cursing and groans. These people enjoyed good results under the old station. To the south where once was radio silence, joy now reigns. This is one of the events of wireless which at present can neither be explained nor creed. It is, of course, the sets without selectivity that suffer, and it really begins to look as if the day of the small, lisirular, home-made set is waning.

No one with any intelligence can fail to see that wireless is greater than any of its enthusiasts and is bound to make headway. As well imagine that the telephone system is threatened because of times the service fails to give satisfaction as think that because a few licences are allowed to lapse that the "boom" has passed. The boom has never pit happened.

All that has occurred is that a few thousand people have commenced the A B C of wireless, pioneers of the great army of the general public that maintain their places in everyday life, will be forced to start wireless as an ordinary incidence of existence.

The obstacle to universal adoption of home wireless is not expense. That will be overcome by the "ready-payment" system, which will enable the public to pay in sets that will be able to "get" nearly all stations for all practical purposes. The real obstacle is the almost universal feeling that wireless needs a mechanical mind to run it. Scores of people who will one day be subscribers, have lamented that ignorance of the principles of wireless as though that ignorance were a barrier that for ever blocked the way to a seed of such delight. Education in the simple principles of the new necessity can be imparted in a few minutes to any ordinary intelligent person.

Now I want to deal frankly with a situation that is causing concern to the broadcasting companies and anxiously militating against the interests of the general body of listeners. That is the dishonesty of many holders of wireless sets who take advantage of the admitted difficulty of tracing their existence, and refuse to pay their subscriptions. It is by its subscriptions that broadcasters live and provide a service. Without money, and plenty of it, this service is bound to be cheap and inefficient. Information is got perhaps at a poor programme and refuse to continue; a vicious circle is created which maker for increasing inefficiency.

Such meanness should be deprecated by all right-thinking people. It is stealing a service, just as manipulating a gas meter is stealing. There is no essential difference between this form of dishonesty and pocket-picking, except that the latter is a bit more sporting, because the thief does not have brains and skill against the vigilance of the victim, whereas the reader of a wireless service alike in the courts all the time. This represents a great problem, because, in spite of optimistic and quibbling, it seems that there are a good many of these wicked thieves in the community. Honesty seems to be the prerequisite of the few when we came right down to cupidity. The majority are honest because they are afraid of retribution. Remove that fear, as in the cases under review, and the moral character is shown to be ready to suffer.

What is the remedy? Well, in my mind, they are many and various. In the first place, public opinion is a tremendous weapon. When the world thought tightly and kindly of "three-million" blackmail was rare, and one grand-grandfather regularly drank himselfs under the table. When a generation arose that would not tolerate selfishness it was remarkable how the next generation sobered up.

Similarly, if innocent subscribers visited with un-missed scorn those miserable thieves who steal a service that better people pay for, many would be shamed into compliance with decent principles. But you may ask, how are they to know whether their neighbours have paid their licence? Well, there is a way. In many activities of life governed by regulations, the law requires the display in a prominent place of a certificate of compliance. Factories must post up a wall sheet of such regulations, companies must have posted up a copy of their last balance-sheet; engineers must be ready to show their licences, as must motor-drivers. Why should it not be made compulsory for listeners-in to keep in a small metal frame makers would gladly attach to all sets the current receipt for the license fee? Soon inspectors must be appointed to visit subscribers, in the same way as telephone, electric light and gas inspectors now make domiciliary visits, and it would soon become a recognized and ordinary thing to dis-
Long Life & Dependability

CLYDE RADIO BATTERY

Behind every Clyde Battery stands the prestige and manufacturing ability of the Clyde Engineering Company Limited, the largest and one of the oldest engineering and electrical houses in Australia. The Clyde imprint is significant of solidity and service.

Negative Plates—Shove from 90 per cent chemically pure oxides, the slices of grey granite, each in their durable appearance.

Terminal—Not just ordinary sheets of publication, but chemically treated sections of selected wood grown in Australian forests.

Positive Plates—A thorough engineering job, with the leads efficiently boxed into position and smooth and shiny in appearance.

Every Clyde Battery carries a 15 Months’ Guarantee

There is no guesswork in the making of a Clyde Battery. All the ingredients are carefully tested at each stage of manufacture and a staff of chemical experts are continuously employed for the purpose of seeing that you get the best.

The Clyde Engineering Company Ltd, employing 1600 skilled Australian workmen and with machine shops and works covering 13 acres of ground, has brought its wealth of knowledge and experience to the manufacture of batteries.

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SYDNEY
play a small card receipt. Seen a set would be
exception by its absence, and visitors and friends
would mark it. Now set owners would be prepared to
risk having to make a lame explanation of its
absence.

Another way of coping with this dishonesty
which is widespread to become a serious less
to broadcasters would be to tax the wireless set at
its source, the valve, collecting the tax from the radio
dealer, whose supplies could be checked through the
Customs. He could be given a rebate on unused
valves in stock. The set owner then could be taxed
directly, without the broadcasting company being
forced to rely on an honesty that is so often lacking.

When I was in America a few years ago an in­
teresting experiment was tried to discover if honesty
were merely a fear of discovery.

Salesmen’s shops in which both women and
men were in the habit of coming were selected for
the trial. The salesmen were given a certain amount
of money for the experiment, and customers who
were in the habit of coming were selected for
the same honesty. This may, however, have been due to her notorious ignorance in men­
tal arithmetic.

I confess I wonder, in view of the appalling and
wholesale dishonesty in filling' broadcasting com­
panies of subscriptions, whether an honesty test car­
ed out in this country under the same conditions
would reveal such a large proportion of honesty. If
the readers of this article happen to clear their own
shelves of clones, then I shall feel it has not been
written in vain.

RE BROADCASTING STATIONS’
PROGRAMMES.

(To the Editor.)
82 The Avenue, Hurstville,
23rd April, 1926.

Sir,—I note the controversy raging in your
columns and would like a word to say on the
matter.

First of all, a critic who suggests that bedtime
stories, classical music, and church services should
be eliminated from the programmes is evidently a
keen wireless “friend,” or he would not know what
was going on all the time. He is to be commended
for this (but I would suggest to him, or others
like him, that he look a little further afield than
from his own immediate presence, whoever he may
be, whether he has written to your paper or not.
Those who want all jazz music should remember
there are others listening in. Personally when
jazz music is on the board, I switch off to some­
one else. There are hundreds, no doubt, of others
in the same position. I find the travel talks and
the various lecture notes we are receiving are ex­
tremely educational, and the bedtime story hour,
no matter from which studio it comes, is a little
pleasantry for the children, not so much for grown­
ups; surely they can wait till the children have
finished. Regarding the jazz music, I was listen­
ting to 2BL the other night, and got jazz; I tuned
in SCLJ jazz; SARJ jazz; SLO; 4QG; jazz; 2FC,
jazz; surely the young lady who wants jazz music
has a wide field in which to get jazz, probably
however, she has only a crystal set, so I would sug­
gest to her that if that is the case, she procure
rather a single valve set (I have two which I have
complied from diagrams published in your columns,
which bring in SCL to 4QG quite plainly, and prac­
tically without any interference from 2BL on an
outside aerial), or an amplifier, one or two valves
as required. It just so happens at times that the various
studios are all broadcasting more or less the same
sort of items, for instance, SLO, 2BL, and 4QG
may all be having lecture notes at the one time. We
listeners-in sometimes wonder whether, in view of the
fact that programmes are arranged ahea, it
could not be conveniently arranged for this to
be obviated, but seeing they are more or less in op­
position I suppose it could not be done.

Yours faithfully,
V. G. LEE, J.P.

P.S.—I get Adelaide, Melbourne and Brisbane
on a crystal with one valve amplifier, quite well, no
doubt due to the high power of these stations.
I hate to hear the news from Randwick sand­
wiched in with children’s talks or even preceded them.
We get the races from start to finish from Sydney
courses and then from Melbourne, Adelaide, Bris­
bane and New Zealand. Isn’t that a bit overdone?

SAR REACHES OUT.

A very fair idea of the great improvement in
the 3AIH service to listeners in may be judged from
the fact that frequent reports of reception have been
received from Launceston, Tull, from Mr. G. Wills
who received the G.P.O. Chimes from Melbourne, and
from Mr. G. H. Hillog, Park Ridge, New Jersey,
U.S.A., who received signals at fair strength from
the Melbourne station.
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ON THE AIR

SUNDAY PROGRAMME.

Station 2BL will transmit on Sunday morning, May 16th, the Children’s Service from the Newtown Congregational Church directed by the Rev. Mearns Massie. This service, which is unique in Australia, is entirely run by the children who comprise the congregation and is watched over by Mr. Massie with a minimum of interference. The subjects, lay-reader and other officers in the congregation are all young people. Not only has Mr. Massie succeeded in interesting the Children of the immediate neighbourhood but a number of branches of the Church have sprung up where loud speakers are available and church is far away.

In the afternoon, Mr. Bradley will conduct his Bible Class and a Band Concert will be transmitted from the band stand on the Ocean Beach at Manly. In the evening the Rev. Mearns Massie will preach again at the Newtown Congregational Church and it is interesting to note that his congregation has completely outgrown the seating accommodation. Probably one of the most popular critics in Sydney, Mr. Mearns Massie is just as widely appreciated as a wireless preacher. Mr. Alfred Cunningham, the distinguished baritone will be heard in solo numbers from the Studio after the service and Broadcasters Trio will also perform. Some items will be picked up from the Hippodrome when Mr. Rodger Jones will be one of the foremost artists.

AMBASSADORS QUARTETTE.

Monday, May 17th, provides a full programme to be broadcast from the Studio of 2BL. The Ambassadors Salon Quartette, under the direction of Mr. Claude McGlynn will play from 8 p.m. until 8.30, at which hour a fascinating lecture on “Early Australian Coins,” will be delivered by Mr. D. Raymonde. Mr. Robert Harper, Sydney’s brilliant tenor will be heard in items from his repertoire, and a talk on Sporting Materials provided by Messrs. Nick Simmons’ Limited will also be placed on the ether. The Newtown Band will also be transmitted. Miss Nellie Hayes, mezzo soprano, who has not previously been heard on the air will sing. AL Hammett’s Dance Orchestra, playing from the Ambassadors, will provide jazz and dance music until midnight.

FASCINATING TALKS.

Mr. H. E. Crabb, who is broadcasting a series of talks on “The story of Civilization,” will continue his 6th lecture, the sub-title being “Primitive Races of People,” broadcasting from the Studio of 2BL on Tuesday, May 18th. Another fascinating series of talks of more than ordinary interest will commence on the same night, when Mr. G. C. Barnes, International President of the Independent Theosophical Society commences a series of “Real Ghost Stories.” Miss Millic Hughes and Mr. Raymond Beatty will be heard in solo and duet numbers. Miss Nora Hill, the Irish Soprano
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Auckland, N.Z. ... 140 Queen St.
Friday, May 14, 1926

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RACING FORM.
On Friday, May 11th, from the studio of 2BL, the Senior Sporting Editor of The Sun, will discuss racing form and tips and his prognostications will be listened to with usual interest. This gentleman so far has been successful to quite an extraordinary degree in providing information. Miss Nova Mack, soprano, will sing, and Mr. Geo. Morrison and his Gloomchasers will provide that necessary element in all present-day programmes—jazz. The Travelogue Party will continue their exciting adventures in Egypt and the lure of the desert and the fascination of the pyramids will be vividly brought home to the listeners-in. As the traveling party is gradually approaching Australia there is an element of regret commencing to be felt by many people that their delightful series of talks is likely to come to a conclusion.

JAZZ NIGHT.
Wednesday, May 18th is one of Station 2BL's Jazz Nights and the City of Sydney Band is also heard broadcasting from Barlow's Chambers. The jazz music on this occasion is being supplied from the Embassy Palace by courtesy of Professor Bolot and with the orchestra under the direction of Mr. S. Bennett. Miss Heather Kinnaired will be heard in contralto solos singing from the Studio and Mr. J. M. Prentice will talk on "Foreign Affairs," answering telephone questions dealing with events that are transpiring throughout the world.

ON JAPAN.
Thursday, May 19th, introduces a new speaker to the World of Wireless in the person of Dr. Donald Luke who has been engaged for a series of talks on "Japan, Moods and Re Actions," the sub-title of the first talk being, "Heroism." Mr. Fraser Anderson will continue his "Astrological Aids to Character" talks and at 7.30 p.m., Mr. J. C. Mollie, the Deputy Commissioner of the War Services Home Commission will deliver a brief address on "The Work of his Department." On the same programme the Waikiki Troubadours will be heard dealing with melodies from the Hawaiian Islands, and Howard Leighton will be heard in jazz selections, playing any numbers which are requested by telephone.

SATURDAY MORNING FOR KIDDIES.
For several weeks past, the Uncles George and Jack have been entertaining the vast family of radio nephews and nieces in the Art Gallery of Messrs. Anthony Hordern & Sons Limited, which has been placed by this enterprising firm at their disposal. Mrs. H. Moss, whose talks on travels will be heard from S.I.O.

GUITARS AND BANJOS.
On Saturday, May 22nd, the Abad Duo entertain with steel guitars and Mr. Billy Dick, humorist will be heard in delightful items. Miss Hilda Lane, soprano, will sing, and Mr. Victor Evans is also appearing on the same programme for the first time. Mr. Maurice Frankel, a banjoist of ability, also figures on the programme. Brings will deliver one of his talks on the Australian Aborigines.

PHILCO—"For less worry and better results"—BATTERIES
PHILIPS RESEARCH DEPARTMENT have evolved a general service Valve showing marked improvements over the older types. On account of its very large plate output it is specially suitable as a Power Amplifier for Loud Speaker work, yet its design also makes it suitable for High Frequency stages as well as detector work. The Valve gives a unique purity of tone with a magnificent volume, sufficient for any loud speaker. No trace of distortion is discernible at any stage in operation. A 6-Volt Accumulator should be used to light the filament, controlled by a rheostat of at least 12 ohms resistance. The main characteristics are as follows:

- Filament Voltage: 5 Volts
- Filament Current: 0.25 Amps
- Saturation Current: 50 M.A.
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- Plate Current: 10 M.A.
- Amplification Factor: 9

PRICE: 13s. 6d.

Obtainable at all Radio Dealers—supplied with either Standard American or English Caps.
Friday, May 14, 1926.

disposal. Audiences varying from 5 to 1500 children and adults go there every Saturday morning for the privilege of seeing the Uncles in the flesh and also to meet one or two of the smaller artists who assist in the Bedtime Stories, notably “Cousin Clarice.” Bringa, the Aborigine Authority has also been a feature of these entertainments. Although there are no added attractions other than the presence of the people enumerated above, the flow of children on these occasions appears to be unceasing and bears the most ample witness to the popularity of the Bedtime Story Hour.

THE HOLY LAND.

Mr. W. Bradley, whose name is referred to elsewhere in connection with the Bible Class that is being established by 2BL on Sunday Afternoons, is a distinguished teacher who has recently returned from a visit to Canada, U.S.A. and England. The nature of the work to be undertaken will be Bible Topic Talks, and as Mr. Bradley is a world traveller who spent 20 years in Egypt and Palestine he is able to deal in the most interesting and intimate manner with sights and scenes thoroughly well familiar to himself. There is probably no one in Australia who has a more intimate knowledge of the Holy Land as Mr. Bradley and it is interesting to remember that Mr. Bradley was in Jerusalem when the Ex-Kaiser paid his visit there in 1909 and was the only civilian allowed to accompany Lord Allenby in 1917 when Jerusalem was taken. In consequence of this, Mr. Bradley is well equipped to speak on the subject. Rev. B. S. Hammond, who is also closely associated with Mr. Bradley in the weekly United Inter-cessory Service at the basement of the Town Hall.

It is very interesting to know that Capt. Wilkins is using Burgess Batteries for his transmitting and receiving plant—how much care must be given to the selection of such equipment when failure of any unit may mean disaster. In all probability, the wonderful results given by Burgess Batteries when used by McMillan on his famous Arctic Expedition influenced Capt. Wilkins when selecting his equipment. Captain Wilkins, by the way, is an Adelaide boy, who is adding to the already long list of Australians pioneering in the still unexplored portions of the Earth.

The Exhibition at the Town Hall would appear to have been an undoubted success; at all events from a financial point of view, it certainly paid its way and left a little over. Judging from the keen interest shown by the public, I should imagine that business should get a very nice boost and if this happens everybody will be satisfied.
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which are broadcast each Wednesday afternoon by 2BC, will assist at intervals in the conducting of the class. It is also hoped to interest the Rev. W. P. Nicholson, who is arriving in Australia during June. Messrs. Arthur Smith and Will White, Jr., will provide sacred music during the period of those 1-hour talks.

WEDDING BELLS.

Listeners-in will be interested to hear of the marriage of Miss Nellie Chadwick to Mr. Charles Snodgrass, as both are well known in musical circles and both have been heard on the air. Miss Chadwick is leading soprano at St. Patrick's Church, Churchhill, where Mr. Snodgrass is the bass soloist. By a peculiar coincidence, although singing in a Catholic church, these young people are Anglicans, and on the occasion of their marriage, which took place in St. Phillip's Church of England, they had the unique experience of being conducted later to the Rectory of St. Patrick's Church, where the Mariest Fathers who conduct the services, entertained the happy couple and drank their health. Both Mr. and Mrs. Snodgrass will continue their musical careers, but the name of Miss Chadwick is not likely to be lost sight of as Mrs. Snodgrass intends retaining his use for concert appearances in view of the fact that her position is assured.

2FC SUNDAY SERVICES.

The morning service on Sunday, May 16, will be from St. Mark's Church of England, Darling Point, and the afternoon service from the Petersham Congregational Church, where a vocal and organ recital will be arranged by Mr. Christian Halliday. The evening service from the Pitt St. Congregational Church, and at 8:30 from the New Strand Theatre, Leichhardt, will be broadcast the 1st Sunday night Band Concert by the Leichhardt Band, Champions of New South Wales.

CRYSTAL PALACE.

From the Crystal Palace, on May 15th, 2FC will broadcast the new revue produced by Walter Johnston. From the Studio—Charles Kingsley, comedian; Miss Gwladys Finister, soprano; Walter Hunt in Comedy Plays; Lawrence Halbert, in baritone numbers, and a Cricket Talk.

"LILAC TIME" FROM 2FC.

On Friday, May 14, a Play, by Montague Stuart. A talk from the dressing room by Miss Harriet Bennett, of the "Lilac Time" Company, and the First Act of "Lilac Time" will be broadcast from Her Majesty's Theatre. From the Studio, Mr. Ad Cree, the well-known Scotch comedian has prepared a surprise for listeners. Other artists will include Mr. Mayo Hunter with his steel guitar Troupe; Mr. R. M. Baxter, tenor; and Madame Ada Baker's Juveniles will give items during the Children's Session.

MR. OLIVER PEACOCK.

Mr. Peacock, who will be heard from 3LO, is well known all over Australia as a concert singer and theatrical artist, and will broadcast sentimental ballads—such as "God Touched the Rose"—and the better class dance airs, so as to appeal to all radio tastes.

Mr. Peacock is a baritone, has done a lot of broadcasting for 2FC, Sydney, and is said to have an excellent radio voice.

He is a Melbourneman and was born in St. Kilda. After some amateur singing he joined Edward Branscombe, and was associated with this well-known director of concert parties for eight years as a baritone singer in "The Troubadours" and "The Dandies."

Afterwards, he joined J. C. Williamson Ltd., and appeared with such well known artists as Vera Pearce, Florence Young, Carrie Moore, and others. With Carrie Moore he will be remembered in the part of Ugo Casantis in "Mr. Manhattan."

For two and a half years he was associated with Gladys Moncrieff in "Katinka," and has also appeared in "The Pink Lady," "Maytime," "Theodore & Co."

His last stage appearance in Melbourne was with the Oscar Asche Company in "Cahro" and "Cho Chin Chow."

Recently Mr. Peacock completed a successful concert tour through New Zealand.

CRITICS CONFOUNDED.

For their own benefit listeners-in should take a keen interest in the wireless plebiscite which is being conducted by the Melbourne "Argus," with a view to finding the public taste in broadcasting programmes. The final voting figures cannot help being considered by those who arrange the programmes, but if only a section of the wireless community is submitting its votes a true estimate of the public taste cannot be made. Some of the figures have their humorous aspect. For instance, the discontented minority which occasionally writes to 3LO, Melbourne, and other studios complaining about the infrequency of "jazz," seems to have neglected a vote very frequently, and the occasional gentleman who desires whole reams of sporting results is also without many supporters. Their votes constantly head the poll. They are, band music, public concerts, and religious services. All three are given considerable space in 3LO's programmes, so it is rather confounding to the critics who decry the studio's popularity.
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FROM HERE AND THERE

RADIO CONFERENCE.

SOMETHING FOR THE PUBLIC.

At the Radio Conference, held at the Sydney Town Hall, under the presidency of Mr. George A. Taylor, a motion was submitted by Mr. W. A. Hopkins, of the Wireless Institute of Australia, that: “The Conference endeavour to bring about a mutual understanding between the broadcasting Companies of Australia, to close down their stations at 9 p.m. one night in the week, so that the listeners-in public may be enabled to enjoy the pleasures of Interstate broadcasting, without interference.”

Mr. Hopkins added: “It is to be sincerely hoped that the Broadcasting Companies will agree to the suggestion, because it would mean that the possessor of the most simple single valve receiver would be able, quite easily, to receive the Interstate programmes without interference from the stations in his particular city, for at least two hours of one night of each week. If, for instance, the Sydney stations closed down at 9 p.m. on each Monday, Sydneyites would have a silent background that would enable them to enjoy the broadcasting from the other cities. On any Tuesday night, the Melbourne stations would close down at 9 p.m., when one listens in Melbourne could then receive Interstate programmes for a couple of hours, with the air of Melbourne silent...”

The Broadcasting Companies throughout Australia have always shown their desire to assist the public, and we feel sure that Mr. Hopkins will be carried into effect.

AN UNSATISFACTORY POLICY.

To the listener it would seem that a broadcasting policy which does not provide for the transmission of programmes of high standard is a defective one. It is true, unfortunately, that the number of radio licences in New Zealand is not great and therefore the annual revenue of the broadcasters is small. Surely however, this is due to the fact that attractive broadcasts have not been provided and the announcement from 1YA on Friday evening that 280 former licences had not renewed their licences last week would indicate that the present position is viewed with some distrust.

PHILCO—“Have you got one yet?”—BATTERIES

The writer has always maintained, and is still of the same opinion, that no success will attend broadcasting in New Zealand until the broadcasters make sweeping improvements in the present programmes. It is futile to await a gradual growth in the number of listeners so that initial running expenses will be covered. The only method is to provide immediately a broadcasting service of such a standard as to attract the attention and interest of the public. With the large number of licences that such a procedure would obtain any initial financial loss by the broadcasting company would be amply covered.

The writer knows of no country where broadcasting is a success in which the preliminary broadcasts were conducted on the line of those given at present in New Zealand and, while not wishing to appear unduly pessimistic, it must be stated that the history of broadcasting in New Zealand cannot be reviewed without serious misgivings for the future.

(“Thermion,” is “N.Z. Herald.”)

A BOUQUET.

“Well, Mr. Editor, it must be two years since I started to read your valuable paper, Wireless Weekly”—so reads a letter from W. B. Allen, of Paddington, who writes highly commending the circuit published by “Instructor” in Wireless Weekly in September, 1926, under the heading of “A One-Valve Regenerative Set.” On this set our friend has received 5CI, 4GC, 7LO, and 3BR at very good strength.

SUNDAY AFTERNOON AT ST. MARK’S, FITZROY, VICTORIA.

The People’s Sunday. Here at this church, which was broadcast on Sunday afternoon, May 2, from 3BR Station, will be continued fortnightly with varied programmes under the direction of Rev. B. C. Nicholls, the popular vicar. The transmission of this service should be of great interest to the listeners in 3BR who are unable to attend the service.

GERMAN WIRELESS PHOTO TRANSMISSIONS.

A claim to have beaten all speed records in the transmission of wireless photographs is put forward by the Telefunken Company, of Berlin. It is claimed that the Telefunken engineers have succeeded in transmitting 1500 apertures per second in tests conducted between Nauen and America. Text and diagrams have been transmitted simultaneously with pictures.
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DESIGNED specially for powerful long-distance radio reception. Gives you the means to pick up those weak and elusive signals and amplify them to reality.

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THE MASTER VALVE

Mullard Valves can be obtained from all radio and electrical dealers.

BOOK REVIEW.

One of the most informative and generally useful aids to the radio public in the way of literature that we have yet seen, is the "Radio Guide and Catalogue," 1926 issue, which is published by Amalgamated Wireless A/sia Ltd., 97 Clarence St., Sydney. Attractively produced, and giving a complete range of information designed for the needs of every radio enthusiast from the crystal user to the experimental transmitter, including a price list of the well known and reliable lines of radio goods handled by the Company, the book should prove invaluable.

The "Radio Guide" primarily deals with broadcasting, and gives a list of all the "A" and "B" class stations operating throughout the Commonwealth as well as a comprehensive map showing the positions of the stations, and a broadcasting stations time schedule.

The Trouble-Finding Chart shows the probable places where you may place your finger right on the case of whatever trouble you experience in the way of weak signals, intermittent signals, or no signals at all, while for reliable instructions for keeping your set fit, you cannot do better than read the article under this title in the "Radio Guide." The two essential conditions for good broadcast reception being a satisfactory aerial and a really good earth, this subject is dealt with in full and gives rather a clear idea of what to do and what to avoid in putting up an aerial to suit your particular conditions and of the rules which must necessarily be followed under the Fire Underwriters' Radio Installation Regulations.

Special instructions for the first charge of the battery, the ideal type of battery for use where no charging facilities are available, and how to connect a number of dry cells together in all described in detail together with explanatory diagrams and the information upon the comparative uses of headphones and loud speakers in comprehensive and highly interesting. Coils to use for Australian broadcast stations, transformers, and valves are given together with valve characteristics, and valve precautions, comprising a list of "Don'ts" for the radio beginner.

A full list of the International Morse code and conventional signals, a list of abbreviations used in radio communication and a list of wireless symbols together with the technical terms used in radio and useful formulas often seen but seldom understood should prove a great help and source of instruction.

A frequency and wavelength table, a list of coast and ship stations, Australian transmitting licenses throughout Australia and New Zealand, European broadcasting stations, Short Wave transmitting stations and finally a list of wireless publications to be obtained from the Wireless Press, 97 Clarence Street, Sydney, go to make up the entire 104 pages of solid, useful, and essential information which no man with a broadcast receiver should be without.

AUSTRALIAN MADE RADIO GOODS.

A new standard in the production of Australian made radio goods has been set by Electricity Meter Manufacturing Company Ltd., manufacturers of the well known Emmco radio products. This company, possessing one of the most completely equipped factories in Australia, gives constant employment to nearly five hundred Australian workmen, whose wages approximate nearly £20,000 per week or £100,000 per annum. The factory, which has a floor space of 36,000 square feet, is located at Camperdown, and in this large building, the famous "Beta" Meters are manufactured under conditions of mass production at the rate of 100,000 per annum, or one meter every seventy seconds.

"Beta" Meters are supplied in thousands to the Councils of all the capital cities, besides over one hundred electrical undertakings throughout Australia.

Realising the tremendous field for the production of high grade wireless products, the Company early turned its attention to this branch of business, and to date has placed on the market over 40,000 transformers alone.

In addition to this, there is a steady and increasing production of rheostats, straight line frequency and variable condensers, vernier dials, potentiometers, chokes, valve sockets, bakelite coil mounts, etc., and in the near future Emmco Headphones of 4000 ohms will be placed on the market.

AMERICA'S WIRELESS DINNER.

The American passion for doing things on the grand scale has been shown to advantage by the holding of a public banquet in which 20,000 people took part.

In its April number, "Radio News" gives an interesting description of how the inhabitants of sixty-seven cities, sitting down to dinner at the same time, were formed into one vast ensemble through the agency of seven broadcasting stations, viz., WGY, WBZ, WJP, KTKA, WBC, KFKX and KOA. The dinners for the most part were graduates of the Massachusetts Institute of Technology. In addition to speeches from Washington, Rochester, N.Y., and Cambridge, Mass., the dinners were entertained with facsimile letters of greeting transmitted by wireless.
After exhaustive tests and investigation a new type of insulation, a mica compound, used on the core laminations and bobbins, has been found to eliminate interstage howling, guaranteeing much smoother reception with pleasing clarity of amplification on distant reception. It also allows greater battery voltages to be applied without risk of interwinding breakdown.
THE MACLURCAN TONE PURIFIER.

A new instrument of entirely Australian origin has appeared on the market. Mr. Charles MacLurcan has for some time past been recognised as more or less a crank on the tone and quality of music from radio sets, and the MacLurcan Tone Purifier and Static Reducer is the outcome of much experimental work along these lines.

The device is quite a simple looking affair. It is encased in moulded bakelite, and has one adjusting knob which extends through to the front of the panel. It can be fitted to any radio set, and when connected according to instructions, provides a truly wonderful control of the quality of both music and speech. The tinny, nasal tone, so often heard from some radio sets, will be rendered full and mellow, whilst even tone that is already good will be considerably improved. It also makes it possible to reduce to a great degree, static and other extraneous noises. It may be fitted with equal effectiveness to all amplification circuits, whether transformer, push-pull, choke or resistance coupling is used.

The instrument is manufactured by The Electricity Meter Manufacturing Co Ltd. (Emmco), and is sold with a perpetual guarantee as to faultless operation or workmanship.

BRANDES TABLE TALKER.

The new goose neck design is the result of research in radio acoustics, which definitely establishes its value in relation to the diaphragm fitted. One feature is the patent material used in the construction of the horn which eliminates any suggestion of harshness. It is now possible to control volume and sensitivity with the small lever located at the rear of the base. Elegantly shaped, it still has that tasteful neutral brown finish and felt-padded base. Height, 18 inches. Sold, 10 inches. Agents: International Radio Coy. Ltd.

FORMO PERFECTION TRANSFORMERS.

A new British product handled by Australian Pacific Trading Co., Kembla Buildings, Sydney. This transformer contains 30,000 turns of comparatively heavy gauge, which guards against breakdown. The construction is robust and the windings are specially treated, rendering the instrument reliable in all climates. The primary terminals are remote from the secondary terminals in order to keep the grid connections away from those of the plate. All terminals are named, and, as an added refinement, their connections are also indicated. Made in two ratios, 1 to 1 and 1 to 3.

CARBORUNDUM CRYSTAL DETECTOR.

Quite new on the Sydney market is the Carborundum Crystal Detector which, it is claimed, has a decided effect upon the selectivity of any crystal or reflex set, sharpening the tuning and cutting down interference. The sensitivity of this detector is not lost even after receiving very strong signals repeatedly, and it is claimed that with reasonable care the detector will remain highly sensitive for years. Every crystal is tested for sensitivity at least three times in the course of selection and assembly and the unit carries a complete guarantee that it will operate satisfactorily in any properly designed circuit. Connections are made very simply with a screw cap each end. The sample submitted to us shows a rugged construction and attractive appearance.

Agents, Eliza Tinsley Pty. Ltd., 484 Kent St., Sydney.
Why not have "Wireless Weekly" mailed direct to your home regularly every week?
The subscription rate is 13/- the year post free.
Mail your subscription TO-DAY to The Editor, "Wireless Weekly," 12/16 Regent St., Sydney.

H O W E L L ' S
SALE & EXCHANGE

<table>
<thead>
<tr>
<th>Item</th>
<th>Price</th>
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<tbody>
<tr>
<td>3 Plate Condenser</td>
<td>3.0</td>
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<tr>
<td>Spitfire Loud Speaker</td>
<td>17.6</td>
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<tr>
<td>&quot;Jefferson&quot; 41 Transformers</td>
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<tr>
<td>&quot;Edwara&quot; Transformers</td>
<td>15.0</td>
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<tr>
<td>13 Point Induction Switches</td>
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<td>Single Jack</td>
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<tr>
<td>Double Jack</td>
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<tr>
<td>2/23 Aerial Wire, per 100 feet</td>
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<tr>
<td>Standard 201A Socket</td>
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<tr>
<td>0.005 Straight Line Frequency Low Loss Condensers</td>
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<td>.00025 Straight Line Frequency Low Loss Condensers</td>
<td>11.0</td>
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Cash with order. Over 10/-, post free
(Batteries excepted)

HAVE YOU TRIED THE HOWELL REINARTZ?
There's Nothing Better —— Let us Rewire your Set WE GUARANTEE RESULTS.
19 BARLOW STREET, SYDNEY
Open till 9.30 Friday Night
Phone MA 1132

No More Distorted Music.
Even the poorest Receiver with its harsh reproduction can be converted into a mellow-toned musical instrument with the new

MA CL U R CAN
— Tone Purifier and Static Reducer —
(Patent app. 26/131)

NOW READY FOR SALE. Price 21/-, with a Money Back Guarantee.
[An EMMCO PRODUCT]

Particulars from
CHAS. D. MACLURCAN
PRATTEN BUILDING, JAMIESON STREET, SYDNEY.

Manufactured by
ELECTRICITY METER MANUFACTURING COMPANY LTD., SYDNEY.
A Familiar Sounds Competition in Australia

Australia has just been enjoying its first sounds competition. This was conducted by the Broadcasting station 3LO, at Melbourne, working on a 371 metre wavelength with a power of 5,000 watts.

The competition lasted for a bare 20 minutes, each of the sounds being repeated once. The prize-money amounted to £15/- and within a week, no fewer than 12,000 completed forms were cut out of the weekly and posted from all parts of Australia. The winner, a young married woman, not so very long out from England, placed 17 of the sounds correctly whilst the other prize winners—one of them an inmate of a hospital for incurables—recognized 16 and 15 respectively.

The following 20 simple sounds were broadcast:

1. Footsteps on board floor.
2. Ripping cloth.
3. Using a typewriter.
4. Foleying a telephone bell.
5. Sawing wood.
6. Ripping cloth.
7. Winding up a clock.
8. Folding paper.
9. Driving a nail.
11. Cracking nuts.
12. Using a telegraph buzzer.
13. Setting table for four.
15. Working a sprayer pump.
16. Ticking of a clock.
17. Lighting a cigarette.
20. Unscrewing glass jar.

The whole of the sounds were “created” by the studio manager, who first collected all the impediments in the sound-proof room. Each item was announced, performed, and then repeated once. What Mr. Bearup, the manager did was to write a sentence on the typewriter, ring the telephone, walk slowly down a boarded floor, saw through a three-inch board, break half a dozen sticks, tear up a piece of calico, wind up an alarm clock, noiseily fold up a large sheet of brown paper, pick up a hammer and drive a nail into a plank, brush the announcer’s coat as if he had been in a duststorm, crack half a dozen walnuts, work the key of a telegraph buzzer, place four plates, cups and saucers on a bare table with all the solitude of a boarding-house domestic, and rattle four spoons into the saucers, sharpen the carving knife, then work a spray pump vigorously, hold up a ticking clock, take out a cigarette, snap the case, shut and tap the cigarette on its lid, strike a wax match and light it; next break an egg on the edge of a basin and beat it up with a fork, finally unscrew the tin lid from a glass jar and screw it on again.

In reviewing the great mass of entry forms received it would appear that comparatively few of the sounds could be recognized with absolute certainty, and many of them were open to an extraordinary variety of interpretation. Many of the competitors seemed to think that microphones had been situated at all points of the compass and that the studio itself had been turned into a cross between a farmyard and a blacksmith’s shop. The innocent folding of a sheet of brown paper was recorded as “railway trucks being shunted,” “objects dropped from a high building,” “a bag of bottles shaken up,” “ploughing with a steam
The easiest sounds to detect were the typewriter, though "machine gun firing," "stampers," and "a baby's rattle," were suggested, the winding and the ticking of the clock, the sawing of wood and the driving of the nail ("pounding the tram lines with a hammer") one man exaggerated this into. The least like the actual sounds when reproduced were the snipping of a pair of scissors (scarcely a dozen of the 12,000 guessed this) and the brushing of the clothes, which sounded exactly like sandpapering. Even the screwing and unscrewing of the tin lid of a glass jar was detected by a great many competitors (though there was some excuse for the man who wrote "surely this was a pig grunting," if not for the exasperated competitor who answered "announcer being violently ill."

The announcer by the way was freely accused of "kissing the typist" when the knife was being sharpened, the paper being folded, and the spray pump being worked. Curiously enough, the ringing of the telephone, which was thrown in as one of the easy ones, proved almost a "dud" for the speed killed all vibration and instead of a musical ringing sound there was nothing but a "swishing" noise, whilst hundreds heard nothing at all. One wag cried "noise made by an angry man at a picture show with two women talking behind him."

Altogether the competition was so successful that others are to follow.

One feature of the competition worth mentioning is that during the following week the sounds were repeated as an item in the studio programme in order that the competitors might hear "listen with understanding minds," and wonder why they had not detected them before.

AN APOLOGY.

On page 15, "Wireless Weekly," April 30th, in the left hand column, we published a photograph with an inscription, "Roger Jones, a favourite from 2BL."

We hasten to point out that this photograph was one of Mr. Alfred Cunningham, the famous baritone. We trust that both Mr. Cunningham and Mr. Jones will accept our apologies for this unintentional slip.

FOR SALE—Three "HK" Edison B Batteries, 94 Volts, in Oak Case, £8. Very efficient Warming. 22, 7 Elgin Ave., Darling Point. Tel.: FPM 1868.
MORE RADIO

THE BRISBANE STATION.
For New South Wales Listeners.

As regards broadcasting conditions, Australia has very little to grumble about by comparison with other countries. We have, in addition to some excellent B class stations, seven A class broadcasting stations in all, last, but not least, of which comes the New Queensland station, 4QG.

This is of particular interest to residents all over N.S.W., as 4QG can be heard clearly by anyone who owns a good valve set.

This station was primarily designed to cater for the wireless public of Queensland, who had formerly to rely upon the Interstate stations for their entertainment.

The reports which have been received testify to the efficiency of 4QG. The management has been inundated with telegraphic and cable reports from all over Australia, Tasmania, and New Zealand regarding the reception. The first report arrived in the form of a radiogram from Samarai, New Guinea, and read: "Congratulations; maximum strength here." This message was quickly followed by others. Burnie (Tasmania), reported reception at unmeasurable strength, and after that came a message from Charters Towers, stating that loud speaker results were being secured by two valves, and that, using four, the volume would rise. Judging by the comments which have been made, the station was received with great strength in and around Brisbane, crystal set owners being those who noticed the increase most particularly.

A message from a humorist at St. Kilda, Melbourne, read: "Please replace my loud speaker, wrecked by your Brisbane, or I shall sue for damages." And another broadcast listener in South Yarra wired: "Heard you on three valves at loud speaker strength. Wonderful results." An enthusiast in Melbourne actually reported reception on his crystal set, and stated that the transmission came through perfectly, and a second report of a similar nature came from Bendigo, Victoria. From all over N.S.W. reception was excellent on one, two, three and four valtes.

The sum total of the appearance of 4QG with its increased power is that radio listeners in N.S.W. have another station added to their "repertoire" of entertainment, 2FC and 2BL, Sydney, 3LO, Melbourne, and now 4QG, Brisbane — in addition possibly to Adelaide and Perth.

NEW SPANISH STATION.
A new medium power station has been erected at Barcelona, in Spain. This station is located in Tibidabo, which has a commanding view over the town. By reason of the fact that it is clear of all buildings it is hoped that this station will serve a large number of listeners. The call letters of the station are EAJI and the wavelength on which it will operate is 325 metres.

EUROPEAN INTERFERENCE.
Owing to the interference in European countries caused by the clashing of wavelengths the Radio Bureau at Geneva recently instituted a number of important tests. As a result of these tests it is expected that a number of the European broadcasting stations will revise their wavelengths. The scheme of alterations was submitted to the International Broadcasting Conference, held at Geneva on March 25.

RAPINET Batteryless Fault-Finder

THIS indispensable scientific instrument indicates instantaneously, without the aid of a displayed, whether your connections on the circuit are good or defective; whether you have a short or a break. Its uses for Electrical purposes are innumerable. Price 2/- each. Unusually priced by leading Wireless Authorities.

RAPINET LIMITED
39-17 Grosvenor Road, Earl'sfield, London, SW.1
FOUR SENSATIONAL OFFERS!

Payment of £1 DOWN and 5/- WEEKLY will secure immediate delivery in the Metropolitan area of any of our Special Offers.

OFFER NO. 1
SUPERB CABINET TONOPHONE. Rivalled by no set, comparable in quality and price. Exclusive of this deal - a free hand-written subscription to a chosen magazine every week.

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VALVE WIRELESS SET. A real value and quality. This set is built in a handsome free-standing cabinet and has a table set with fabulous sound. £1 DOWN and £1 PER WEEK.

OFFER NO. 3
Hunt's Home Cinema, at K.B.R. 620, as a Perfect Football Cinema Canvas TETRA, making you do photos-graph your friends playing matches and enjoy your remembrances. £1 DOWN and £1 PER WEEK.

OFFER NO. 4
Hanson & Smythe Lift-on Billiard Table. Complete for the game of Billiards with cues, balls and scoring board. £1 DOWN and £1 PER WEEK.

Call at once with a Pound Note and we will deliver immediately to your Home.

HOME RECREATIONS LTD
388 GEORGE STREET (Opp. Board Watsons)
From four horse power to 40 h.p.
from the first Bright Emitter Valve to
the Super-Sensitive Wuncell Dull Emitter

Nothing can stem the pitiless tide of progress. The four-horse coach of two decades ago has now been supplemented by the 40 h.p. car. And the weight emitter valve of two years ago is now being rapidly supplemented by that most economical of all Dull Emitters—the Wuncell.

Wireless enthusiasts are everywhere realizing that economy in Valves means much more than actual current consumption. It means long life. Obviously a valve with an ultra-low current consumption and a short life—due to its fragile nature—is not an economic valve.

The Wuncell puts life first and current consumption second. In spite of this, its wattages is still less than one-twelfth of any bright emitter valve. That is to say, any twelve-watt accumulator which might, for example, have given 90 hours at a charge with bright emitter would give 120 hours using Wuncell.

The inherently long life of the Wuncell Valve is due to the special material, manufactured under a patent process known only to Cos sor. Instead of being whittled down, as in most dull emitters, it is actually built up layer upon layer until it is as much as that used in any standard bright emitter, and when in use it merely glows at a temperature not exceeding the ember of a glowing match.

Its prolific output of electrons—hence the well-known Cos sor principles of construction—assures a sensitivity which has no counterpart in any mine of valves. For the first time since the Dull Emitter appeared on the market, users are saying that here at last is a perfect match in performance for the best bright emitter valve ever made.

Cos sor Valves

All Types available in American and British Marks.

Cboss Valves Can Be Obtained From All Radio and Electrical Dealers.

A. H. Carter, Factory Representatives & Sole Agent for Australia, 20 Clarence St., Sydney, N.S.W.
The wireless weekly: the hundred per cent Australian radio journal
BAKELITE PANELS

Cut to any desired size

3/16in. .... 3d. PER SQUARE INCH.

This Price is the Lowest in Sydney

Preferred Straight Line Frequency Condensers, .0005 22/6; .0003 20/
Preferred Vernier Dials, 20-1
Ratio. Note the Price .... 7/-
Preferred Battery Switch .... 3/
American Brand Condensers, .0005 11/
Winchester, 45 v., large cap, B Batteries, each .......... 26/-
Winchester, 22¼ v., large cap, B Batteries, each .......... 13/-
(Fresh Stocks Just Landed)

5 VALVE NEUTRODYNE KITS, panel drilled, complete with everything ready to build, 250 to 2000 meters £11

NEUTRON CRYSTAL. The World's Greatest Crystal. "The Crystal with Valve Power." New stocks just to hand .... 2/3

Mick Simmons

"The World's Greatest Sports Store.”

Headquarters: HAYMARKET, SYDNEY


Your inspection of the big display of everything that is new in the world of Wireless, is invited.

(Wireless -- Second Floor)

Anthony Horderns & Sons Limited,
Brickfield Hill, Sydney

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From the Hand Book: An Improving Programme of Music by the Greater Balmain Municipal Concert Band, under the leadership of Mr. J. Jackson.

3CL

CENTRAL BROADCASTERS LTD.

297-301 Broadway, 250 metres, Indoor, 8 W.

FRIDAY, MAY 31.

Morning Service (11.40 a.m. to 12.10 p.m.)

Box 4096.

Burgoes—"Purity of Speech and Music"—BATTERIES

WIRELESS WEEKLY

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SATURDAY, MAY 13.

10.15—C.P.O. Chorus.
11.00—St. Adelaide's Choir for the Children.
11.30—Markets reports and station announcements.

Evening Session

6.30—C.P.O. Chorus.
6.45—St. Adelaide's Choir for the Children.
7.00—Stock Exchange, Market Reports and Station Announcements.
7.15—Song with Mr. Jenkins. 6.00—C.P.O. Chorus.
7.30—Weather Reports.
7.40—Middle Concert—continued.
8.15—Advert. News Service. 10.00—Station Announcements: National Audience.

WETLESS Fixed Mica Condensers

Now and improved features are incorporated in the WETLESS high quality fixed condensers.

WETLESS CONDENSERS are synonymous with highest grade workmanship, freedom from moisture and the best quality materials.  

A Type

B Type

003 009 038 066

004 010 040 078

005 015 045 085

006 020 055 105

MARCH 25.

Burgess—"Purity of Speech and Music"—BATTERIES

Remember, the WETLESS Fixed Condenesr has the highest grade "Ruby Mica Dielectric."

If your Dealer cannot supply you, send direct to me.

Manufacturer: J. WETLESS, Bexley, N.S.W.

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Page Forty-two WIRELESS WEEKLY Friday, May 14, 1926.

EMMCO RADIO PRODUCTS

The name EMMCO on a radio part is your guarantee of efficiency, quality, and reasonable price. Modern production methods and careful workmanship have combined to place these AUSTRALIAN MADE radio products on the market at lower prices and better quality than similar articles manufactured overseas.

EMMCO CONDENSERS

Absolute insulation—grounded rotor and plates—straight line wavelength—most minute adjustment. These are some of the features contributing to the efficiency of EMMCO Vierier Condensers.

Vierier Type. Prices: Plain Type.

EMMCO LIGHTNING ARRESTER

Operating on the Gap principle and mounted on a bakelite base, the EMMCO Lightning Arrester ensures the protection of your Receiver against lightning. Each EMMCO Arrester carries an insurance guarantee to replace any damage to the extent of £25. Price ....... 4/-

EMMCO JACKS.

See EMMCO Products at Your Dealers—Manufactured by Electricity Meter Manufacturing Company Limited, Sydney
Friday, May 14, 1926.

WIRELESS WEEKLY

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WEDNESDAY, MAY 15.

Meeting Session (11.30 a.m. to 2 p.m.)
14. Weather Reports.
15. G.P.O. Chimes.
18. Vacation Number.
20. Afternoon Session.
14. Broadcast from Studio, General Information and Station Announcements.
15. G.P.O. Chimes.
17. G.P.O. Chimes.

THURSDAY, MAY 16.

Meeting Session (11.30 a.m. to 2 p.m.)
15. G.P.O. Chimes.
17. G.P.O. Chimes.
20. Afternoon Session.
14. Broadcast from Studio, General Information and Station Announcements.
15. G.P.O. Chimes.
17. G.P.O. Chimes.

FRIDAY, MAY 17.

Meeting Session (11.30 a.m. to 2 p.m.)
15. G.P.O. Chimes.
17. G.P.O. Chimes.

12 noon: Special Laboratories Hour Service: Union Territory, Labor News, Status of general health, sporting events, local and national news, closing down at 2 p.m.

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WIRELESS WEEKLY

THURSDAY, MAY 16.

1. Service from the Independent Church, Galpin Street, Preston, Rev. J. H. Mesure, B.D.
2. Service from the Presbyterian Church, Galpin Street, Preston, Rev. A. E. Haines, B.D.
3. Service from the Independent Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
4. Service from the Presbyterian Church, Galpin Street, Preston, Rev. W. J. Smith.

FRIDAY, MAY 17.

1. Service from the Independent Church, Galpin Street, Preston, Rev. W. D. Smith.
2. Service from the Presbyterian Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
3. Service from the Independent Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
4. Service from the Presbyterian Church, Galpin Street, Preston, Rev. W. J. Smith.

SATURDAY, MAY 18.

1. Service from the Independent Church, Galpin Street, Preston, Rev. W. D. Smith.
2. Service from the Presbyterian Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
3. Service from the Independent Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
4. Service from the Presbyterian Church, Galpin Street, Preston, Rev. W. J. Smith.

The wireless weekly: the hundred per cent Australian radio journal

SUNDAY, MAY 19.

1. Service from the Independent Church, Galpin Street, Preston, Rev. W. D. Smith.
2. Service from the Presbyterian Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
3. Service from the Independent Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
4. Service from the Presbyterian Church, Galpin Street, Preston, Rev. W. J. Smith.

TUESDAY, MAY 21.


WAVELENGTH: 444 Meters. POWER: 1000.


1. Service from the Independent Church, Galpin Street, Preston, Rev. W. D. Smith.
2. Service from the Presbyterian Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.
3. Service from the Independent Church, Galpin Street, Preston, Rev. W. D. Smith.
4. Service from the Presbyterian Church, Galpin Street, Preston, Rev. H. C. Atkinson, B.D.

PHILCO—"You never need guess"—BATTERIES

The wireless weekly: the hundred per cent Australian radio journal
Friday, May 14, 1926

WIRELESS WEEKLY

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11.00—Rockhampton News. 11.20—Musical Review. 11.40—National, Shipping Movements. 1-Even drive.

Afternoon Session.

The Children's Centre, under the direction of Miss Elva Jones, related from Hay's Eliza. 11.50—In the House: Mr. W. G. Miller, President of the Department of Agriculture.


FRIDAY, MAY 14

Military Session.

11.30—Transmission from the G.P.O., Melbourne. 12.00—J. Hall, President of the Australian Broadcasters' Union. 12.15—Mr. Ernest Le Mesurier, President of the Australian Broadcasters' Union.

1.15—The Station Tune.

2.15—The Studio Orchestra.

2.30—Musical Review.

3.00—The Wireless Society, Melbourne, Victoria. 3.15—Mr. H. S. Boardman, President of the Wireless Society, Melbourne. 3.30—The Station Tune.

4.15—Field Concert, Victoria. 4.30—Motor Cycle Race, Melbourne.

5.15—Mr. F. W. Smith, President of the Wireless Society, Melbourne.

6.00—The Station Tune.

7.00—The Studio Orchestra.

7.15—Musical Review.

8.00—The Station Tune.

9.00—The Studio Orchestra.

10.00—Musical Review.

11.00—The Station Tune.

11.30—The Studio Orchestra.

12.15—The Station Tune.

Afternoon Session.

1.00—The Station Tune.

1.15—Presentation from Mawson, Albury & Co., Stand 30 at the International Motor Show, Exhibition Building.

2.15—The Studio Orchestra.

3.00—The Station Tune.

3.15—Musical Review.

4.15—The Studio Orchestra.

5.00—The Station Tune.

5.15—Musical Review.

6.00—The Studio Orchestra.

6.15—The Station Tune.

7.00—The Studio Orchestra.

7.15—The Station Tune.

8.00—The Station Tune.

9.00—The Station Tune.

10.00—The Station Tune.

11.00—The Station Tune.

12.00—The Station Tune.


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2.15—The Studio Orchestra.

2.30—Musical Review.

3.00—The Wireless Society, Melbourne, Victoria. 3.15—Mr. H. S. Boardman, President of the Wireless Society, Melbourne. 3.30—The Station Tune.

4.15—Field Concert, Victoria. 4.30—Motor Cycle Race, Melbourne.

5.15—Mr. F. W. Smith, President of the Wireless Society, Melbourne.

6.00—The Station Tune.

7.00—The Studio Orchestra.

7.15—Musical Review.

8.00—The Station Tune.

9.00—The Station Tune.

10.00—The Station Tune.

11.00—The Station Tune.

11.30—The Studio Orchestra.

12.15—The Station Tune.

Afternoon Session.

1.00—The Station Tune.

1.15—Presentation from Mawson, Albury & Co., Stand 30 at the International Motor Show, Exhibition Building.

2.15—The Studio Orchestra.

3.00—The Station Tune.

3.15—Musical Review.

4.15—The Studio Orchestra.

5.00—The Station Tune.

5.15—Musical Review.

6.00—The Studio Orchestra.

6.15—The Station Tune.

7.00—The Studio Orchestra.

7.15—The Station Tune.

8.00—The Station Tune.

9.00—The Station Tune.

10.00—The Station Tune.

11.00—The Station Tune.

11.30—The Studio Orchestra.

12.15—The Station Tune.
WIRELESS WEEKLY
Friday, May 14, 1926

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16th—Rev. Eldridge, superintendent.
17th—Arthur Bower, chaplain.
19th—Professor Matteo Barcelo, violin recital.
20th—Miss Isabella, tenorist.
21st—Mrs. Edward Smith, piano recital.
22nd—Mrs. Betty Moseley, piano recital.
23rd—Mr. Hugh Young: breathe—ability, nature and nurture.
24th—Mr. Biddle: cartoonist.
25th—Mr. Antarctica.
26th—Close down.

Afternoon Session

26th—Single operators.
27th—Modesty, speech.
28th—Modesty, speech.
30th—Mrs. Patrick Barrett, violin recital.
31st—Save the flax.

TUESDAY, MAY 15

Midday Session

2nd—Stock Exchange information.
4th—The觐al.
5th—South African.
6th—Lloyd's of London: voice solo.
7th—Alba Goldell, contralto.

8th—Mr. Hugh Young: breathe—ability, nature and nurture.
9th—Mr. Biddle: cartoonist.
10th—Mr. Antarctica.
11th—Close down.

 attainment Session

11th—Children's Hour: Studies by Mary Goldell, London. There was a Was Man Hating: Happy for the latter one. little boy's youth: for the latter was locally adapted. The story of the Guy Large: Hunter Night Dream, with short recital.
12th—Mr. Biddle: cartoonist.
14th—Mr. Biddle: cartoonist.
15th—Mrs. Patrick Barrett, violin recital.
16th—Mr. Patrick Barrett, violin recital.
17th—Mr. Patrick Barrett, piano solo.
18th—Edward Bancroft, piano solo.
19th—Miss Winch, contralto.
21st—Raymond Lambert, piano solo.
22nd—Edward Lambert, piano solo.
23rd—Edwin Lambert, violin solo.
24th—God Save the King.

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