

WIRELESS WEEKLY

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VOL. 7. No. 11.

FRIDAY, JANUARY 29, 1922



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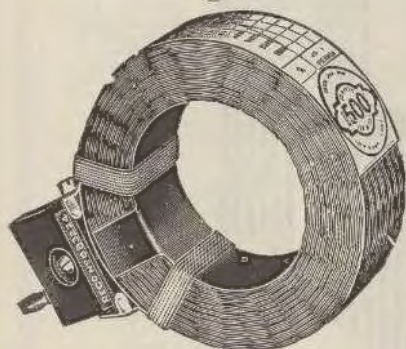
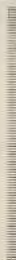
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If unobtainable locally, write for address of nearest source of supply.

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Editor: A. W. WATT

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

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THE LOW COST OF RADIO.

From time to time some disgruntled individuals raise their voices and become lyrical about having to pay a licence fee to listen in. At the present time the amount in question is 27/6 per annum, which works out at under 1d. per day. Or, if the musically inclined, with soul yearning for song, decided that such a sum is beyond his means, the Postmaster-General allows him to pay it in two instalments of 15/., each—still under 1d. a day.

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A. W. WATT.

M. R. L.

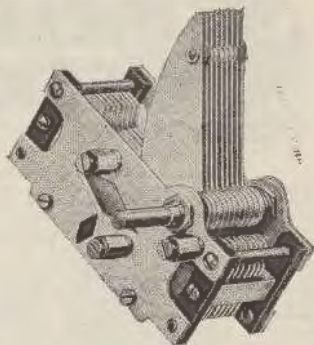
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SINGLE VALVE CIRCUITS

By "Wireless Weekly"

Many well-known radio receivers of the present day are merely fundamental single valve circuits with various kinds of high or low frequency amplifiers added to them. This article deals with the best-known fundamental circuits.

The short wave experimenter has come to the conclusion that for his work he can seldom, if ever, surpass the simple three coil regenerative receiver, using aperiodic aerial tuning. To some extent the same type of receiver is favoured by

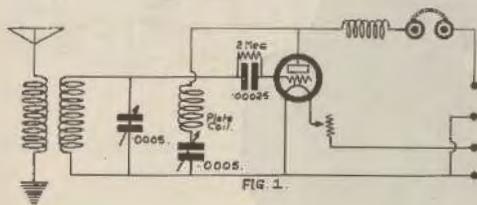


FIG. 1.

Very selective and easily operated.

broadcast listeners, but it is far from successful for long distances or interstate reception in thickly populated cities like Sydney and Melbourne, owing to the howling valve interference caused by some users employing too much regeneration. For this reason we again advise readers to experiment with other types of hook-ups as covered by this article.

Fig. 1 shows the circuit diagram which is a great favorite. It has the preference for two reasons: The tuning coils used are fixed in relation to one another (no mechanical coupling) and the circuit is not critical and is smooth of operation. With this type of receiver a wonderful control over the regeneration is obtained.

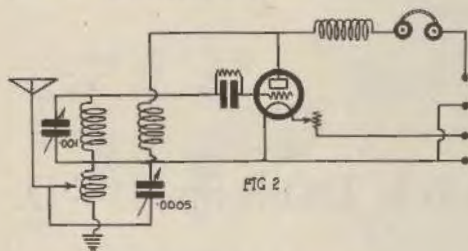


FIG. 2.

Reinartz. Not so selective as Fig. 1. Radiates badly if not handled correctly.

It requires the addition of a choke coil, but this is not critical on the broadcast wavelengths. For short wave C.W. reception it is usually possible to leave the regenerative condenser fixed and to do all the tuning with the secondary condenser which gives a single control circuit. This last advantage, however, is not true for the circuit when used for broadcast reception, as careful experimenting is necessary with various size plate coils together with the relative positions of the regenerative condenser.

Circuit diagram No. 2 will be readily recognised as the Reinartz. It is purposely drawn in a somewhat unusual manner so that you will see that the Reinartz possesses all the qualities of Fig. 1, with the weakness of lower selectivity due to close primary coupling. It is also a very effective transmitter, as the plate and aerial circuits are conductively coupled.

Fig. 3 shows the uncommon method of using a "C" battery in place of the grid condenser. It is not as popular as the grid condenser, and leak method of detection because its adjustment are rather

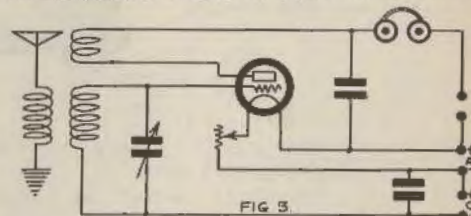


FIG. 3.

Grid Bias controls regeneration in a very efficient manner.

complicated, but nevertheless a circuit such as this is well worth experimenting with.

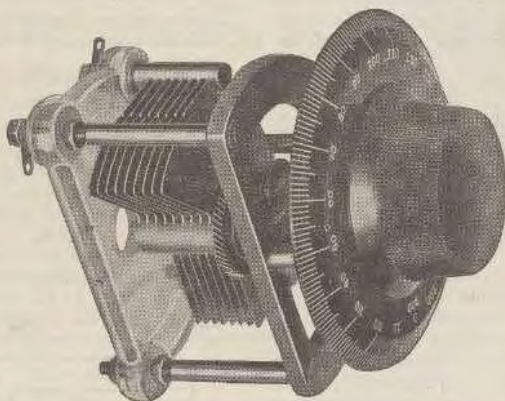
The Hartley circuit which is very well known to transmitters is shown in Fig. 4. A tuned aerial circuit provides the control of oscillation by the introduction of resistance through the load.

When the aerial circuit is tuned, provided proper coupling is used, the tube will not oscillate. This tuning of the aerial then becomes a satisfactory method of producing a very efficient two control receiver, and having the aerial circuit tuned to the broadcast wavelengths is an advantage, which shows itself in greater volume and selectivity, than many other regenerative receivers. With proper adjustment of the number of turns of coil L, which by the way, is the plate coil or feed

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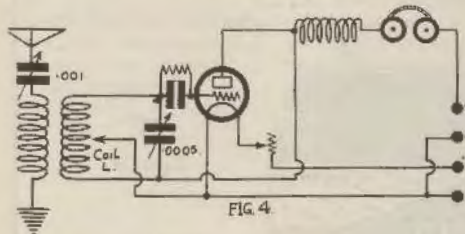
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back coil, although it is also part of the secondary. It is possible to adjust operation so that primary can be used with loose coupling to give maximum selectivity. If L is too large the valve will oscillate with unnecessary vigor and the primary will have to be coupled very close to the secondary to control oscillation.

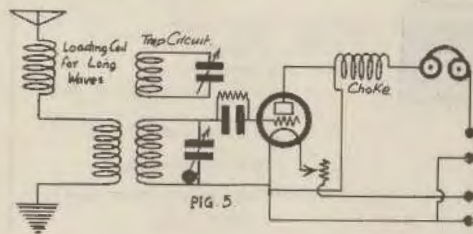
Oscillation is a persistent condition with this hook-up, save when the aerial circuit is in tune, and even then it is present if insufficient coupling is used.



Hartley Circuit. Capable of extreme selectivity. Adjustments somewhat critical.

The wonderful advantage of this type of receiver in congested areas will readily be recognised. Its disadvantage, however, is that the adjustments are critical.

Fig. 5 shows the well-known Cockaday Circuit. Here a closely coupled trap circuit is used to control oscillation. Its action is therefore somewhat similar to the Hartley receiver except that the trap circuit carries out the same duty as does the Tuned primary and aerial circuit in the Hartley. It may be used with a tuned or aperiodic aerial, so that it will make up an excellent two control receiver. Cockaday recommends a single turn of direct aerial coupling, and a nearby aerial loading coil mounted at right angles to the secondary coil. This aerial loading coil is very necessary for using the Cockaday principle in Australia. For this reason the



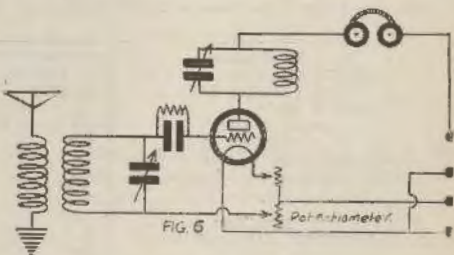
Cockaday Circuit.

single turn primary coupling coil should also be increased. The single turn is plenty for the shorter wavelengths, however, and the loading coil is then not needed.

This circuit will probably find favour amongst readers—more so than the Hartley receiver—as plug in coils to cover any wavelength may be used and the tapping point on the secondary coil is not necessary, as is the case with the Hartley.

The tuned plate circuit comes next (Fig. 6). It is not a common circuit with the straight out detector, but numerous commercial receivers employ this method of H.F. amplification. The grid and plate circuits may be tuned with plug-in coils and variable condensers or with variometers. It is fairly selective, but rather hard to handle.

In presenting these various forms of regeneration, we particularly advise the single circuit regenerative user to give one or the other of these hook-ups a trial. Our aim this year should be the satisfactory reception of interstate stations in Sydney or Melbourne. This can best be accomplished by placing our P1 circuits on the scrap heap, at least in congested areas. This should go far to obviate the howling valve menace.



Tuned Plate. Selective, but critical.

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Adding R. F. Amplification to the Three Coil Weagant Circuit

By "A. Alexander"

According to advices received from radio owners in country districts, the three-coil Weagant Circuit, described in *Wireless Weekly*, November 13, 1925, has a remarkable range—in some cases all of the Australian broadcasting stations were received on the speaker.

As stated in the article, the circuit is a real "old timer" and it proved itself to be one of the best. It can be further improved by the addition

be completed in an hour, the additional materials required being:

- 1 Valve Socket.
- 1 Potentiometer.
- 6ft. Buswire.
- 1 Valve.

In the diagram of the circuit (Fig. 1) the additions and alterations are clearly indicated.

Commence reconstruction by removing the con-

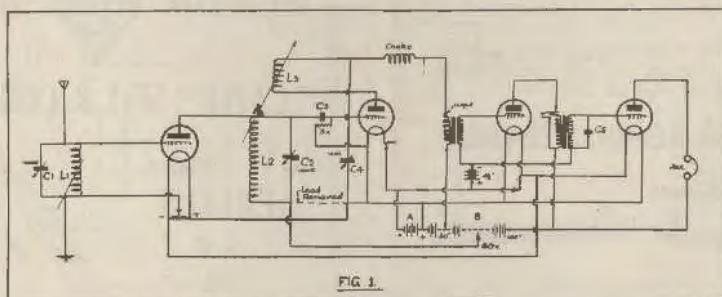


FIG. 1.

of a stage of radio-frequency amplification and within the knowledge of the writer the new circuit which is shown in Fig. 1, has not been previously printed in any journal devoted to wireless.

The improvement is by no means remarkable, but it can be noticed, not only in the extension of its receiving range, but also in the facility with which stations can be tuned in.

The alterations are not extensive, and can

be completed in an hour, the additional materials required being: 1 Valve Socket. 1 Potentiometer. 6ft. Buswire. 1 Valve. In the diagram of the circuit (Fig. 1) the additions and alterations are clearly indicated. Commence reconstruction by removing the connection between the circuit C2L2 and the A battery positive, as shown by the dotted line; next amend the grid leak connections as shown—note that the grid leak is now connected between the grid of the detector valve and the A battery positive. This is important as failure to remove the grid leak from its original position (shunted across the grid condenser) will render the receiver inoperative.

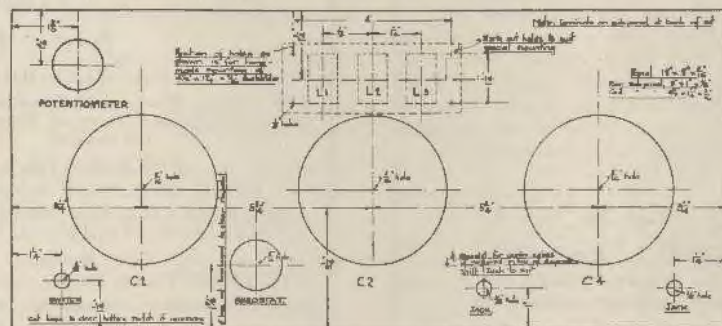


FIG. 2.

H. & H.

Grid Leak Resistance

Fixed resistances or grid leaks are steadily increasing in popularity. H. & H. resistances are composed of a permanent impregnated material which is not affected by change in temperature or atmospheric conditions. Made in 50,000, 70,000, 100,000 ohms, 1/4, 1/2, 1, 2, 3 and 5 megohms.

Variable Grid Leak Resistances

The W-261 is variable from 100,000 ohms (0.1 megohm) to 5 megohms. Use with UV-200, C-300, DV-6, or any soft detector tube. In fact, use where a grid leak up to 5 megohms only is required.

The W-262 is variable from 2 to 10 megohms, and works wonderfully well with WD-11, WD-12, UV-201-A, UV-199, C-301 A and C-209.

Grid Leak Resistance Mounting



W. 261

W. 262

Fig. W-263 shows the handy leak holder. It's small, yet affords good, stiff contacts, and permits instant interchangeability of leaks.

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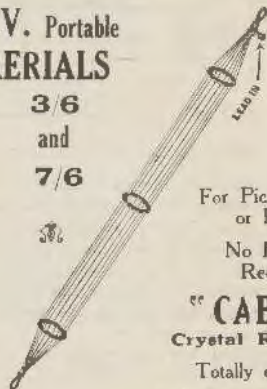
Mr. C. R. McWilliams, "Mttoppo," Turrawan, N.W. Line, hands along some flowers. Writing on January 3 he says: "I built the receiver described in 'Wireless Weekly,' Oct. 2, 1925, 'Loop Reception At Home,' and used two stages of transformer radio, one tuned and one untuned. I am more than pleased with it. With 3 valves, detector, and 2 audio, 3LO (700 miles) comes in on the speaker very loud, and with 5 valves he is too loud. 2BL comes a very close second here for signal strength to 3LO. 5OL, 3AR, 2KV, 4QG also come in great on this set. 2FC is O.K. in the daytime, but not as good as any of the above stations at night."

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The socket for the radio frequency valve is mounted on the baseboard, a suitable position for which is indicated in the layout diagram Fig. 3.

The potentiometer (a Marco was used in the test receiver on account of its small size) is to be mounted on the panel close to the condenser C1 and coil L1. The panel arrangement is shown in Fig. 2.

If it is not desired to alter the front panel the potentiometer can be mounted either on the baseboard, or on a small bracket behind the panel, without sacrificing any efficiency.

The terminal on the back of the set which was originally marked A1, is removed from the circuit,

2 audio transformers.

4 valve sockets.

1 potentiometer.

1 triple coil mounting or loose parts.

2 jacks, 1DC, 1SC.

8 terminals.

1 choke coil.

1 set honeycomb coils,

1 battery switch.

The choke coil is a No. 200 or No. 250 honeycomb coil, and it may be fixed in position when wiring up the set, but it is better to mount it on a standard plug, and to provide a fixed plug, to receive it, on the baseboard as shown in the plan view of the set (Fig. 3).

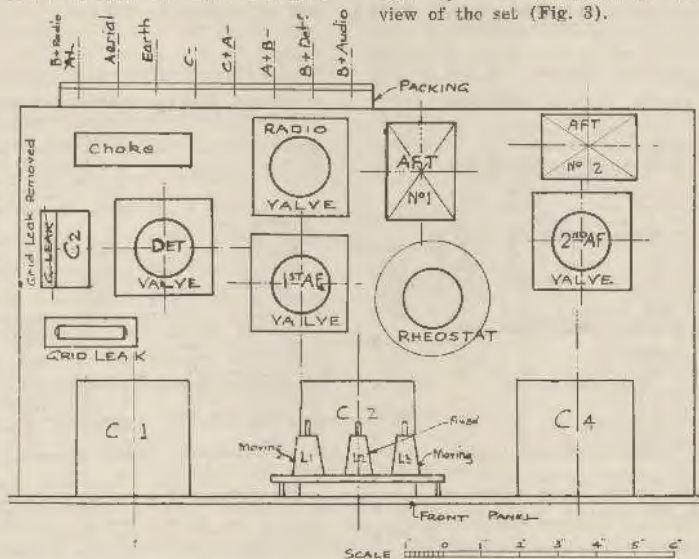


FIG 3

and connected up as the B battery terminal for the radio frequency valve.

To facilitate construction, a list of all the parts necessary for the construction of the complete receiver is given hereunder:

1 panel, bakelite, radion, or ebonite, 18 x 3/16 x 8 ins.

1 panel, bakelite, radion, or ebonite, 4 1/2 x 3/16 x 1 1/4 ins.

1 panel, bakelite, radion, or ebonite, 8 x 1 x 1/8 ins.

3 variable condensers, each .0005 mfd. capacity.

2 fixed condensers, each .00025 mfd. capacity.

2 rheostats to suit valves used.

The standard triple coil mounting, if of the Remler, De Forest, or other well known types, can be mounted directly on the panel, but if the separate loose pieces are used they should be first mounted on the 4in. length of bakelite, the assembly being afterwards bolted to the panel.

The rheostat for the three amplifying valves is mounted on the baseboard, and later adjusted to the normal working position.

In concluding, set builders who have made up the original Weagant Circuit with satisfactory results are advised to leave it alone if it is operating as desired, but to those who wish to make a good set into a better one, this circuit and arrangement is recommended.

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	£ s. d.		£ s. d.
VALVES: "RADES," Standard 199 and 201A, each	0 0 9	SWITCHES, highly finished with Adjustable Arm, each	0 0 9
SQUARE TINNED COPPER BUSWIRE, for Wiring Sets, per doz.	0 0 11	SWITCHES, Push Pull Battery Switches	0 1 9
SPAGHETTI INSULATED COVERING, for Insulating Buswire, per length	0 0 5	CRYSTALS, Galena or Silicon, Mounted or Unmounted	0 0 6
WOODEN ROTORS, 3in., for making Variometers, Variometers, etc., each	0 0 0	CRYSTALS, an assortment in boxes, per box	0 1 3
AUDIO TRANSFORMERS, "The Crescent," guaranteed equal to any 25/ transformer, 5 to 1 and 3 to 1	0 13 6	SPIDER FORMERS, with Pins and Sockets, each	0 1 3
AUDIO TRANSFORMERS, K. & C. 5 to 1, unsurpassed for tone	0 15 6	ECS PLUGS & SOCKETS, in various colours, per pair	0 0 9
VALVE SOCKETS, Standard American Metal Shell, 2/ and 3/9; Brown	0 2 6	COIL PLUGS, for Mounting H.C. Coils, each	0 1 3
VALVE SOCKETS, Standard, English, Plain, 9d.; Base Mounting, 2/ and ENGRAVED BINDING POSTS, 8 on Card, per card	0 2 3	PANEL PLUGS, for Screwing to Your Panels	0 1 0
VARIABLE CONDENSERS, R.C.C. Co.'s 17 Plate, high grade, suitable for all circuits, Special Neutrodyne and RF	0 1 9	COUPLING-PLUGS, for Screwing to Move EXTENSION HANDLES, for use with above BAKELITE SHEET, Highly Polished, 4in., per square inch	0 1 9
VARIABLE CONDENSERS, Aircraft Low Loss, 11 Plate	0 8 3	PUSH-PULL TRANSFORMERS, said in Pairs, per pair	0 0 11
NO. LOSS CONDENSERS, the Gen. Inst. Co.'s Pyrex, Insulated, .0005	0 12 6	RHEOSTATS, 5 ohm 2/3, 1/3 and RHOMOND LOW LOSS CONDENSERS, Square Law, .0005	0 1 6
PORCELAIN SOCKETS, Standard Crosley, 2/6; Fussfoot	1 7 6	C BATTERIES, 44 volts tapped, always fresh	0 12 6
AERIAL INSULATORS, per doz. (Egg)	0 4 0	MARSHALSTATS, Carbon Rheostat for all delicate controls	0 2 9
AERIAL INSULATORS, Black Compound with Eyes, each	0 1 0	BATTERY TESTERS, Hydrometer type, with Rubber Bulb	0 10 6
CONTACT STUDS, Nickel-plated with Nuts, per doz.	0 0 5	AMPERITES, Automatic Filament Control, 199 or r. .066 amp type	0 4 6
CONTACT STOPS, Nickel-plated with Nuts, per doz.	0 0 4	PHONE CORDS, Single or Double	0 7 6
	0 0 4	LOUD SPEAKER CORDS, 25ft. Extension, 5/9; 5ft.	0 2 3

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A TWO STAGE AMPLIFIER

By "Gridleak"

It is only a question of time when the owner of a crystal set or single valve set comes to realise that listening-in with a set of headphones savours more or less of selfishness, and that it would be better to permit the whole family to participate in the enjoyment of broadcast concert reception.

To allow of this, an amplifier and a loud speaker will be required. To make these additions, the expenditure of a considerable amount of money may be entailed, and, whilst it is advisable to procure the best amplifier and loud speaker obtainable in cases where money is no object, it need not deter those who are not so well blessed with this world's goods, as quite good loud speakers may be produced at very reasonable prices, and the amplifier can be

Choke Coupled Amplifier.

A good many radio goods manufacturers are now featuring audio frequency chokes for amplifier purposes.

Audio frequency chokes differ from radio frequency chokes in that the latter do not have iron cores. The action of both kinds of choke, however, is very similar. In the radio frequency choke it offers considerable resistance, or, as it is called, impedance to the passage of the alternating current of high frequency, of which the incoming signal currents are composed.

This impedance of the choke forces the signal currents on to the next valve, a stopping condenser being used between the plate of the first valve and

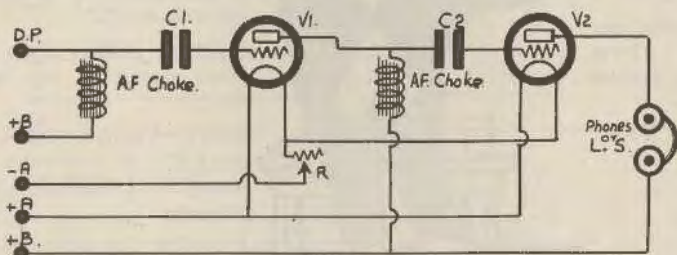


FIG. 1.

A two stage amplifier in which choke coupling is used. The reception is very clear, and the volume not much less than when two transformer stages are employed. An excellent amplifier in which one stage is choke and the other one transformer coupled. The "C" battery helps to banish distortion.

made up at home with very little trouble and expense.

There are three kinds of amplifiers obtainable, each having its own special features.

Audio Amplifier.

The most efficient type is that in which audio frequency transformers are used for coupling. Another type, and one that comes close to the transformer coupled amplifier, is that known as choke coupled. The third type is resistance coupled.

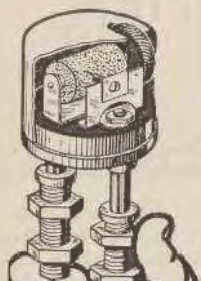
Given a good make of audio frequency transformers (this type is most desirable, but is, at the same time, the most costly).

In the choke coupled variety, audio frequency chokes are used, and these consist of many turns of fine insulated wire wound over an iron core,

the grid of the second to prevent the "B" battery potential reaching the grid of the second valve, whilst the stopping condenser allows the passage of the high frequency of the signals with little or no resistance.

The audio frequency choke acts in a similar manner, but as audio frequency currents are of a very much less frequency than those of the incoming signals, an iron-cored choke is necessary.

The iron-cored choke is the only one which offers sufficient impedance to the low frequency audio currents to force them on to the next valve, and a stopping condenser is also used here to permit of the passage of the audio frequency currents, whilst keeping the "B" battery current off the grid of the next valve.



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Resistance Coupled Amplifier.

In the resistance type of amplifier, a high resistance, usually in the order of 70,000 to 80,000 ohms, acts like the iron-cored choke in that it allows the "B" potential to reach the plate of the preceding valve, and it also forces on the audio frequency currents on to the grid of the next valve through the usual stopping condenser by virtue of its high resistance.

This high resistance is a disadvantage from one point of view, as a "B" battery potential of very much higher voltage is required to compensate for the high resistance set up in the circuit.

The resistance coupled amplifier produces the greatest clarity and freedom from distortion obtainable with any type of amplifier.

In this respect it is closely followed by the

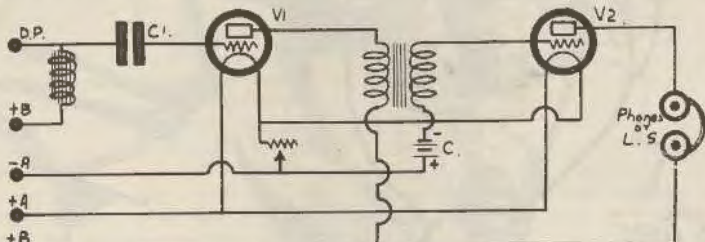


FIG. 2

choke coupled type, and no extra "B" battery voltage is required.

In the two stage amplifier to be described the choke coupled system is used, and it has been found to be all that can be desired both in freedom from distortion qualities and in volume.

One good feature about the choke coupling is that it is not necessary to buy special chokes.

One of the windings of a burnt-out transformer forms an excellent choke; in fact, it functions just as well as the best special choke ever made.

Notwithstanding the efforts which have been made by manufacturers to overcome the difficulty, the fact remains that one of the most common accidents in a receiver set is the burning out of transformers, so that there are always plenty of burnt-out transformers available when required. Usually it is the primary side which is burnt out, and the secondary side can be made use of for choke purposes.

For the purposes of our amplifier two burnt-out transformers will be required, two valve holders, one 6-ohm rheostat, two fixed condensers of .005 or .006 capacity, and a supply of terminals, screws, etc.

Testing Transformers.

It is easy to test out transformers. A pair of headphones and a single cell dry battery will be

required. The cotton covering is stripped off a short length of, say, No. 22 d.c.c. wire. It will be sufficient if about two inches are scraped bare. This bare portion of the wire is twisted round one of the tips of the headphones, and the other end of the wire is bared to permit of its being clamped under one of the terminals of the battery.

Another piece of wire is clamped under the other terminal of the battery and the bared end, and the remaining telephones' tip are used to explore for short or open circuits.

The two burnt-out transformers should be tested to see if one of the windings is intact, and to do this the free telephone tip is placed on one terminal of the transformer, and the bared wire attached direct to the battery is tapped on the corresponding transformer terminal, primary or secondary, as the

case may be. If the winding is intact, a distinct "click" will be heard in the headphones, the loudest click being heard when the primary side is being tested, as that side has the fewest number of turns, and, therefore, does not set up so great a resistance to the battery current as does the secondary winding, which may have three to five times as many turns. If no click is heard, there is an open circuit, probably caused by the burning-out process.

Testing over in this way will ensure that the windings to be used as chokes are really continuous, and not broken. It is preferable to use the secondary windings for choke purposes.

Assembling the Amplifier.

The amplifier may be mounted on the usual panel and baseboard, or it can be quickly assembled on a cigar-box.

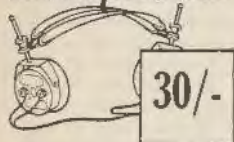
If panel mounted, the panel material should be 10 inches long by 6 wide, with a baseboard 9½ inches long by 8 inches wide.

A small piece of the panel material should be used as a terminals board, and this is conveniently screwed to the back of the baseboard.

Only the controlling rheostat will be mounted on the front of the panel, and all the rest of the components are screwed down to the baseboard.



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YOUNG BILL is engrossed in fixing a new circuit. When the mass of wiring is hidden in the cabinet, when he has finally wrestled with the last screw on the panel, then will come tuning operations, whilst he is filled with boyish expectancy—and anxiety. He's after that new station, and he knows that if Brandes Matched Tone Headphones fail to bring in that distant signal it will be a slip on his part. He has learned to depend on the matched receivers to capture everything within range of his apparatus with unflinching persistency. The faintest signal is given volume and clarity. Oh, Boy! He has it! Another call sign for the log-book.

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Jacks may be used for both input and output, but repairs of terminals will do just as well.

Using a cigar-box to assemble the amplifier, a Monopole cigar-box 100 size is procured. The lid is nailed down, and the bottom knocked out, as it is very thin wood and useless for our purpose.

The box may be varnished with shellac inside and out, but this is not essential. It is turned over on one side, the side uppermost becoming the top on which the valve holders are mounted.

Four terminals are mounted at one end, that end facing the constructor when the open side of the box is to the left. It is best to mount the terminals uniformly, each one 1 inch from its respective corner. The centre of this end should be bored to take the spindle of the rheostat, which will be mounted inside with the control knob in the centre of the terminals on the outside.

The bottom pair of the terminals connect with the positive and negative of the "A" battery, and the upper pair are the input terminals connecting with the output terminals of the detector, the output terminals of the detector being, of course, the pair to which the telephones are attached when the receiver is used alone.

Turning the box round, four terminals are mounted on the other end. One upper and one lower terminal of the four are connected together inside the box. The other upper terminal is connected to the plate of the second valve. An upper and a low terminal are connected together. The highest potential "B" battery is connected to either of these. Inside the box a short lead is taken from one to these terminals to one of the terminals of the transformer which is functioning as a choke. This leaves one of the four terminals mounted on the reverse end of the box, unconnected. For the purposes of this amplifier this terminal is not required. When experimenting with transformer coupled amplification this terminal is connected to the negative of a "C" battery, and inside the box the same terminal is connected to the filament terminals of the secondaries of the transformers.

In the cigar-box amplifier all the wiring is done with No. 18 bell wire, which is well insulated and furnishes some protection from accidental short circuits when carrying out experiments.

The advantages of the cigar-box amplifier are that it can be knocked together in something less than an hour; it permits of endless experiment with various types of amplifiers and combinations of those types.

Admittedly, the panel and baseboard make the neater job, but the effect produced is no better than that of its humbler prototype.

Details of Diagram.

The diagram of Fig. 1 gives the connections of the two stage amplifier in which burnt-out transformers are used as choke coils. On the left are shown the terminals necessary for connecting in the batteries and the output of the detector valve or crystal set, whichever is in use.

In the single valve set one telephone terminal is connected to the reaction coil, which in turn is connected to the plate of the valve. The other telephone terminal is connected to a tapping of the "B" battery suitable for the detector valve in use.

With the single valve set the "B" battery current flows to the plate of the valve through the windings of the headphones. If the headphones are disconnected and the amplifier coupled up, the "B" battery current will now flow to the plate of the detector valve through the winding of the choke coil. If the telephone terminals of the single valve set are connected to D.T. and plus "B" the input terminals of the amplifier diagram, it will only remain to connect up the batteries to be ready for testing.

Joining Up Batteries.

The same "A" battery is used, but it will be necessary to add an additional 40 volts to the "B" battery, and a better result still will be obtained if the "B" battery is made up to 120 volts.

Referring to the diagram, C.1 and C.2 are fixed condensers of .005 or .006 m.f.d. capacity. The symbols marked "AF Chokes" represent the burnt-out transformers.

Only the positive of the "B" battery is to be connected in, as the "A" and "B" batteries will have been joined together for the working of the single valve either negative "B" to positive "A" or negative "B" to negative "A." It is not necessary to connect up the negative of the "B" battery to the amplifier.

One rheostat is used for both valves, there being no gain in providing a rheostat for each valve.

Fig. 2 shows the connections of a two stage amplifier in which the first stage is choke-coupled and the second stage transformer coupled. This gives slightly more volume than the amplifier of Fig. 1, but the latter gives plenty of volume for comfort. In Fig. 2 the transformer coupling admits of the introduction of the "C" battery, the negative being connected to the filament terminal of the transformer secondary, with the other terminal to the grid of V.2. The positive of the "C" battery is connected to negative "A."

The amplifier of Fig. 1 will be found to give as much volume as can be comfortably borne, and at the same time it is a revelation in clarity and sweet reproduction.



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A110. The One Cell Valve. Filament, 1.0 to 1.3; volts, .06 amp. The most remarkable valve yet produced, as it enables you to run each valve for weeks on one Dry Cell, while the volume and tone are exceedingly good.

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B406. The New Wonder Valve. The B406 is in a class by itself, as it is the first Low Frequency Amplifier which attains a saturation current of 30 milliamps with a filament consumption of only 0.1 amp. at $3\frac{1}{2}$ to 4 volts. Only a Two Cell Accumulator or Three Dry Cells should be used, thus showing a further remarkable saving.

Price, 17/6 each.

Obtainable from all Radio Dealers.

Ask your Dealer for illustrated folder describing these wonderful Valves.

PHILIPS



An Attractive Programme.

Station 2BL announce an attractive programme for January 29th. Mr. Cyril James, a baritone of outstanding merit is being introduced to the wireless public as one of the most versatile artists in Sydney. On the same programme will be heard Miss Heather Kinnaird, a contralto, Broadcasters' Brass Quartet, which continues to win golden encomiums. There will also be Musical Sketches by Miss Top Loudon and Mr. John Benesse, Dance music supplied by the Embassy Palais completes an exceedingly full programme.

The Famous Cheeros.

The Cheeros Girls whose splendid work was started during the War Period and has continued ever since, will be broadcast by 2BL on January 30th. Among the many distinguished artists included in the Company are Miss Edith Dickerson in songs at the piano, Mrs. Bennett White in impersonations and Miss Dorrie Ward the favourite mezzo soprano. On the same night, dancers are being further catered for by a programme transmitted by the Dungowan at Manly.

A Church Broadcast.

Two church services are promised by 2BL for the last day in January. At 11 a.m. there will be broadcast the Roman Catholic Service from St. Patrick's Church, Churchill and at 7.30 service of Petersham Baptist Church will also be transmitted. Later in the evening the Studio Programme will be made up by Broadcasters' Trio, Miss Lotys Lescaut, the French soprano and Mr. Alfred Cunningham, baritone.

A Mystery Programme.

The Orphan's Wail, which is being broadcast from Neutral Bay, will occupy most of the programme transmitted by 2BL on February 1st. Although there is a certain air of mystery in regard to this organisation, the musical programmes do not fulfil the threat suggested by the name and are of extraordinary high quality. On previous occasions when the Orphan's Wail has been broadcast, the attitude of the listeners-in has been one of intense appreciation.

2BL's Orchestra.

Broadcasters' Miniature Orchestra conducted by Mr. Horace Keats has been busily rehearsing for a period of several weeks and will present a splendid programme of operatic and other selections on February 2nd. One outstanding feature will be the singing of Miss Lotys Lescaut, the French soprano, in operatic numbers, accompanied by the miniature orchestra.

Listen to This.

The Haberfield Rowing Club is indulging in a concert of more than ordinary interest on February 3rd, and this concert is to be broadcast by 2BL transmitted from the School of Arts, Haberfield. The associate artists are: Miss Nellie Chadwick, Miss Macrae, Miss Audrie Scott, Miss Mary Neal, and Mrs. Ball, while among the names of the gentlemen who will assist, there appear Messrs. C. Snodgrass, Peter O'Reilly and Ward Lear. Secondly, the listeners-in will be keen to take advantage of an opportunity of hearing a number of unfamiliar voices. The quality of the concert is more than assured with such an array of artists.



Miss Myra Gillon, soprano, 2BL.

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Something New.

On February 4th, Mr. Shepard presents dramatic and comedy sketches in which his company will participate. On occasions such as these, Broadcasters' Studio is transformed into something like a stage of a theatre, and quite dramatic effects are obtained, which are transmitted to the radio audience. On the same night, Mr. Norman Janson will present a series of news songs with Trio accompaniment, and the remainder of the programme will be presented by Broadcasters' Instrumental Trio.

On February 5th, the preliminary announcement is made of pantomime numbers presented by Mr. Dan Thomas.

An Entertaining Talk.

A new lecturer who will shortly be heard from 2BL is Mr. Dalley Watkins, the well-known accountant of Sydney, who will provide instruction and entertainment in regard to the business methods, business management, and the keeping of household accounts generally. Mr. Watkins possesses humour, which makes him able to make what might ordinarily be a dry subject, one filled with entertainment.

Madame Parles.

For the benefit of listeners-in who are studying the French language or who are already proficient in regard thereto, arrangements have been made with Madame Henri, of N.S.W. State Conservatorium, to deliver a series of talks in French. These will also comprise readings from the French classics, as well as selections from the most modern French authors.

As Madame Henri possesses the true Parisian accent, which is the natural outcome of birth and long residence in the French capital city, the listeners-in can be assured that their knowledge of the French language will be extended considerably as the result of listening to this lady.



Miss Jennie Benson, a versatile pantomime and music hall artiste, who is well known to listeners in England and Australia. She was recently heard through 3LO, Melbourne, who broadcast the first half of "Aladdin," in which she played a principal part.

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354 Pitt Street,
(near Goldbuck Street.)

New Office Shop,
56-60 Gresham Street,
(1 door from Pitt Street),
SYDNEY.

Branch,
25 Pitt Street,
(near Circular Quay).

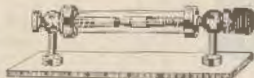
Astounding Results

Have been obtained in Australia with the vacuum

"Lion Micro" Permanent Detector

We have received many letters praising the qualities of this Detector, which started the Radio world. The "Lion Micro" Permanent detector contains the Lion King Crystal, which, supporting the great South's Excellent Semi-Transparent Ultra Permanent Mineral Crystal (GDRubens) and the other Silver Crystal (Tillmanite), discovered in 1922.

Small Size, 40
diameter
4 1/2 inch
Large Size
4 1/2 inch



Small Size, 40
diameter
4 1/2 inch
Large Size
4 1/2 inch

Illustration of Lion Micro Detector (actual size)

Dust and Fool-Proof :: No Catwhisker

No More Lost Coaxers :: No Adjustments

SEND COUPON: We guarantee every vacuum tube you buy from us to be of standard or over grade. If not we return whatever you are dissatisfied with any amount purchased from us, either with or without the original charge you have paid, on all other conditions for credits what you want or returned your money.

You should see it

A wonderful job

The general opinions expressed by experts, Radio Dealers, and builders of Sets after examining and testing

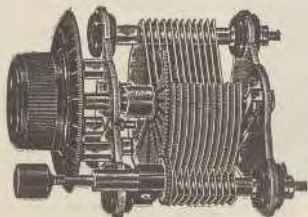
Heath Condensers

are

"A Wonderful Job,"

"Beautiful Work,"

"Built and Fitted Like a Watch."



The Strictly Low Loss Distance-Getter.

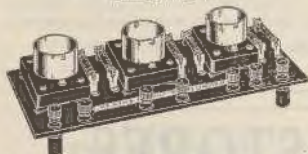
Laboratory tests prove it.

Come and examine the plates that cannot warp.

Prices, with Micrometer Geared Vernier, .00025, 27/-; .0005, 30/-; .001, 35/6. Plain, 7/- less (.00035 Plain, 25/6). Dials, 4/- extra.

Heath Three-Stage Resistance Coupled Amplifier

Produces a purer tone and saves the cost of Transformers.



As above, completely wired and assembled, including Sockets, Terminals, etc., ready to attach to plate of Detector Valve.

79/-

Instructions with every Set.

Sole Agents:

PARSONS & WHITEMORE LIMITED,
30 MARKET STREET, SYDNEY.



A FURTHER REPORT from KOSCIUSKO

The Wireless Set supplied by David Jones' to the Hotel Kosciusko continues to give excellent results. It has now been in operation several months. Its continued reliability is most gratifying to David Jones' Radio Department and also to Mr. Charles MacLurcan who designed this instrument for the Government Tourist Bureau.

Sets similar to this, and all other radio sets and accessories can be immediately supplied by our Radio Department.

Let our Experts solve your wireless problems. If your set is not giving the best possible results phone City 5336 or B6971 and a qualified engineer will call and effect a repair or alteration at the lowest possible cost. Advice is given freely.

DAVID JONES

TO THE KIDDIES

One Guinea Prize

FOR SUCCESSFUL COMPETITOR.

Limited to Children.

Everybody knows Uncle George and his G-O-O-D-N-I-G-H-T is familiar to every little one who listens in to 2BL.

Now this little competition is to enable every little listener to put down on paper his or her impressions of him.

It can be done in a short verse of six or seven lines and so that you may get the idea, we are showing you a sample of what we mean.

Here it is:

"Uncle George is short and thin,
But he has a voice of gold,—
Every Kiddy's love he wins,
And he's not so very old—
All the Kiddies wait to hear
The way he calls out—loud and clear
G-o-o-d N-i-g-h-t!"

Now it doesn't matter if you have never seen Uncle George. You have HEARD him hundreds of times—you know the funny things he says, the quaint songs he sings and the jokes he tells. It is very easy to write a little verse describing your impressions of him.

Is he tall? Is he thin? Is he short? Is he fat? Do you love him? Do you like his voice? Does he make you laugh? Do you look forward to his stories?

Tell it in a little verse—and try to win the guinea prize which "Wireless Weekly" is awarding for the best verse sent in.

Here are the conditions. Read them carefully.

The competition is only open to girls and boys under the age of 12 years of age

Verse must not exceed seven lines or have less than five.

Entries must reach us not later than Friday, February 5th.

Enclose your verse in an envelope, mark the envelope in the left hand corner "Uncle George," and mail it to "Wireless Weekly," 12/16 Regent Street, Sydney.

No more than two attempts are allowed to each competitor.

THE JUDGES FOR THIS COMPETITION ARE MR. C. C. FAULKNER, (DIRECTOR RADIO BROADCAST BUREAU), UNCLE JACK (2BL), AND THE EDITOR OF "WIRELESS WEEKLY."

A cheque for one guinea will be forwarded to the winner whose name will be announced in due course in "Wireless Weekly."

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

WATCH FOR WGY.

A special broadcast will be put out by WGY, New York, on January 27th, from four to seven p.m., Sydney time. The transmission will take place on forty-two metres and the General Electric Company, Schenectady, U.S.A., will be glad to receive any reports of reception from Australia; either direct or through "Wireless Weekly." Listeners are asked to co-operate.

RADIO WEEK.

AMERICAN STATIONS TO "TELL THE WORLD" JANUARY 24 TO 31.

A New York cable message says that special programmes for foreign radio fans will be broadcast from North and South American stations between 9 and 10 p.m. (central standard time) each night from January 24 to 31, according to the official schedule of the International Radio Week Committee.

From Sunday to Thursday inclusive in that week American stations will be silent from 10 to 11 p.m., to permit reception from high-powered European stations.

Both American and foreign announcers will give calls in several languages.

LIST OF MARINE STAFF CHANGES FOR WEEK ENDING 14/1/26.

- B. L. Beatty signed on "Komura" in Newcastle.
- F. R. Snape signed on "Age" in Newcastle.
- S. J. Phillips (3rd) signed on "Hauraki" in Sydney.
- J. Bots (3rd) signed on "Hauraki" in Sydney.
- L. N. Callaghan signed on "Suva" in Sydney.
- H. J. Edwards (2nd) signed on "Tanda" in Sydney.
- C. E. Anselau (3rd) signed on "Tanda" in Sydney.
- L. J. Edwards (Sen.) signed off "Carina" in Sydney.
- A. Truscott ((3rd) signed off "Carina" in Sydney.
- G. J. Scott (3rd) signed off "Carina" in Sydney.
- A. C. Jackson signed off "Yankalilla" in Sydney.
- W. B. Talbot signed off "Baldina" in Newcastle.
- A. C. Jackson signed on "Baldina" in Newcastle.

RADIO AND CRIME.

Radio is increasing rapidly as a means of elucidating crime in N.S.W. The wireless patrol has been a big factor in catching thieves in Sydney, since its inception by the New South Wales police.

The police have a fast motor equipped with a powerful receiving set. An operator and four plain clothes men patrol the city and suburbs in it, and messages are transmitted to it through police headquarters.

BURGESS—"THEY'RE USED ON THE UNITED STATES AIRCRAFT"—BATTERIES

Our Annual _____
Stocktaking Sale
21st to 30th JANUARY

**Large Reductions in all Parts
 and Sets**

	s.	d.		
Valves, from	6	0	1 Valve Set, complete with all Accessories	£5 5 0
Rheostats, from	1	6	2 Valves, complete with all Accessories and Loud Speaker	10 10 0
Valve Sockets, from	2	3	3 Valve Set, complete with all Accessories and Loud Speaker	15 15 0
Transformers, from	9	0	1 Valve Amplifier, complete with Valve and Batter- ies	3 3 0
Fixed Condensers, from	0	9	Crystal Set, complete with Phones and Aerial Gear	1 5 0
Variable Condensers, from	4	6	Music Master Speaker	6 0 0
Col-Mo .00025 Low Loss,	11	6		
Col-Mo .0005 Low Loss,	14	0		
Crystal Det. from	0	3		
Variable Grid Leaks, from	4	6		
Atlas Speaker	£3	0 0		

AND A HOST OF OTHER LINES AT WONDERFUL VALUES.

WRITE FOR PRICE LIST

 **COLVILLE-MOORE**
WIRELESS SUPPLIES, LIMITED.
 10 ROWE STREET (NEXT HOTEL AUSTRALIA) SYDNEY

NOTES FROM QUEENSLAND

From Our Special Correspondent.

The Silent Night.

To many this phrase seems to be a mystery, but to others in many parts of Australia it sounds a blessing. For over eighteen months broadcasting in Australia has been carried out without any thought of an amateur night, or in other words a night listeners can use to log distance.

The local paper here disclosed in letter form that many listeners are unable to tune in any of the interstate stations while 4QG is on. This is no fault of the station concerned, but I think that for once in a while these people should be catered for, and the bulk of the other listeners listen to amateur transmission.

This movement has some headway in America, and it is time that either the Wireless Institute or the Listeners' League took the matter up.

Broadcasting will never be a success as far as many are concerned; that is, the programmes of our different stations will never be able to please all, but it is sure that with the programme committee of the Listeners' League many of these defects will be remedied.

The Programmes of our local Station.

Some weeks ago it was stated in these notes that there is much criticism here with regard to 4QG's programmes. In reply to this the Acting Manager of the station stated that for every bad report on the programmes there are at least ten good ones.

Despite these reports the management are receiving, the programmes are constantly being improved, and under the directorship of Mr. H. Scott-Macullum the programmes have always been the best available.

It must also be explained that 4QG has not the working capital of the Southern stations. The management has made many private attempts to increase the number of license fees in this State. Many folks responded to the appeal, but far more did not, and it is urged that these people should be forced by the law to purchase licenses. It may also be seen that the Federal authorities are doing nothing with regard to this matter — this is something else that the listeners here who willingly pay their licenses have to put up with. Critics should aim at the right party when running down 4QG's programmes, which are well in line with the Southern stations' programmes.

ESPERANTO NEWS

What a European Listener can Tune-in to.

The claim is frequently made that more time is devoted by broadcasting stations to making people conversant with Esperanto than any other language. A bare statement of that kind is not likely to be convincing unless supported by facts. The following is therefore a more or less complete schedule of transmissions occurring in Europe a month or two back, compiled mostly from programmes appearing in wireless papers. It should be noted that the list only comprises stations that regularly feature the language every week, and does not take into consideration those that put on Esperanto occasionally.

SUNDAY

G.M.T.	Station	Wavelength
11.00	Koenigswusterhausen (LP)	1300
14.15	Hamburg (395m) relaying to Bremen (330m) and Hanover (396m)	
20.15	Paris (CFR)	1750

MONDAY

18.00	Moscow (Radio-Popov)	1010
18.00	Stuttgart	443
18.10	Vienna (Ravag-Wien)	530
20.00	Rome (IRO)	425
20.15	Paris (CFR)	1750
20.30	Copenhagen (Radiofonistation)	340
21.30	Madrid (Union Radio)	430
22.30	Copenhagen	368

TUESDAY

19.30	Leipzig (452m) relaying to Dresden (294m)	
20.00	Vienna (Ravag-Wien)	530
22.00	Geneva (all announcements in Esperanto and French)	1100
22.45	Lyon (Radio Lyon)	280

WEDNESDAY.

19.30	Madrid (Radio-Iberica)	392
19.45	Braunschweig (Experimental Station)	255
21.00	Barcelona (EAJ1)	325
21.40	Breslau	418
22.15	Bilbao (EAJ9)	418

THURSDAY.

20.10	Vienna (Ravag-Wien)	530
21.00	Paris (PTT)	458
21.15	Paris (CFR)	1750

FRIDAY

18.00	Moscow (Radio-Popov)	1010
19.15	Frankfurt-on-Main (470m) relaying to Cassel (288m).	
23.30	Braunschweig (Experimental Station)	255

SATURDAY

18.15	Munster (410m) relaying to Elberfeld (259m) and Dortmund (283m).	
18.45	Berlin (Voxhaus)	505
21.00	Bilbao (Radio Carlton)	415

RADIO on Easy Terms.

NO INTEREST.

All sets complete with De Forest valves, phones, A and B battery and Aerial.

Single Valve	£9 10 0
Deposit	0 18 6
Weekly	0 3 3
Two Valves	£13 15 6
Deposit	1 7 6
Weekly	0 4 9
Three Valves	£21 0 0
Deposit	2 0 0
Weekly	0 7 4
Four Valves	£25 0 0
Deposit	2 10 0
Weekly	0 8 8
Five Valves	£29 10 0
Deposit	3 0 0
Weekly	0 10 0

OPEN ON FRIDAY NIGHT.

Radio W'less Mfg. Co.

289 George Street,
Opposite Hunter Street.
B5747.

HOWELL'S SALE & EXCHANGE

Large Variety Loud Speakers from 35/- to £8.
Hear them on music.

	£	s.	d.
JEFFERSON STAR TRANSFORMERS	0	17	6
7 Bakelite Etched Terminals on Bakelite Base	0	3	3
ADJUSTABLE SWITCH ARMS each	0	0	9
.0065 VERNIER CONDENSER	0	13	6
.0065 Square Law Brass Plates, with Pigtail and Dial	0	9	6
.001 Condenser, with Dial	0	0	0
.0003 Condenser, Square Law Brass Plates, Pigtail & Dial	0	8	0
Ormond, .001 Vernier, Square Law Bakelite Ends	0	17	6
Ormond, .0005 Vernier, Square Law Bakelite Ends	0	15	6
Ormond, .001 Vernier, Square Law Low Loss	0	17	6
Ormond, .001 Square Law Low Loss	0	14	9
Ormond, .0005 Square Law Low Loss, Vernier	0	15	6
Ormond, .0005 Square Law Low Loss, Plain	0	12	6
Ormond, .00025 Square Law Low Loss, Plain	—	—	—
Egg Insulators dozen	0	0	6
Columbia No. 8 Cells dozen	0	2	6

HOW TO MAKE THE HOWELL REINARTZ STILL MORE SELECTIVE.

YOU CAN'T IMAGINE HOW GOOD IT REALLY IS,
IF INTERESTED, CALL IN AND SEE US.

19 BARLOW STREET, SYDNEY

Open till 9.30 Friday Night

Phone MA 1133

MODEL STEAM ENGINES & PARTS

FOR LAUNCHES, LOCOMOTIVES, VERTICAL AND
HORIZONTAL STATIONARY ENGINES

	£	s.	d.
Reliable Headphones, 4000 ohms, 12/6 to	15	0	
Dulcivox Loud Speakers	2	10	0
1 Valve sets, complete with Headphones, Batteries and Valve	6	0	0
2 Valve Sets	11	0	0
3 Valve Sets, complete from £17 to	21	0	0

SLINGSBY & COLES Ltd.

482 Pitt Street

Under the Railway, opp. Marcus Clarke

Wm. Lambert Hamilton

Radio Specialist

Bring your troubles to me.
What I will do for you.

I will remodel or re-wire your receiver, making every valve give of its best. Let me modernise your receiver.

I will build you a set to suit your local conditions.

I will answer any enquiries immediately.

My charges will be moderate.

I will buy your components for you at ruling city prices and despatch them to you within 24 hours of receipt of order. I will advise you as to the quality of the goods. This service is free.

I am at your service in any radio wants.

City address:
VICKERY'S CHAMBERS,
82 Pitt Street,
SYDNEY.

Phone: B4543.

Private address:
16a Ness Avenue,
Dulwich Hill.

FROM HERE AND THERE

LONDON POLICE USE RADIO TO CATCH CARELESS DRIVERS

From "Wireless Weekly's" Special Overseas Correspondent.

Recently the British police have been making effective use of radio in tracking petty offenders.

Just before Christmas an appeal was broadcast requesting anyone who had witnessed a certain motor accident in London to communicate with the police.

Many persons responded, and one happened to have taken the number of the car in question.

As a consequence the motorist was traced, brought to court, and fined for dangerous driving.

PIEPLATE USED AS AERIAL

A resident of Woodhaven, Long Island, U.S.A., recently used a pieplate as an aerial when receiving the super-power signals of a 50 kilowatt station.

The tin plate was placed under the telephone receiver and connected to a two tube set by wire.

ENGLISH CLAIM WONDERFUL INVENTION. NOW POSSIBLE TO BOTTLE UP RADIO PROGRAMMES.

The British radio public is becoming intrigued by reports of a new invention, called the "telegraphone," which has recently survived a number of tests, and which may soon be placed at their disposal.

The "telegraphone" is an instrument to "bottle" or "can" radio programmes, store them away, and later, reproduce them at a time when the radio public can listen more conveniently. The instrument is said to combine the principles of the gramophone with those of radio. It has produced particularly satisfactory results in reproducing speeches.

A microphone is placed before the speaker in the usual way and the electrically amplified vibrations are recorded on a wax cylinder, where they may be "stored" for any length of time, and later released into another dial for broadcasting. The machine is the result of years of experiment, and is said to reproduce the human voice with fidelity.

RUSSIAN TELEVISION CLAIMED.

Dr. Popoff, the eminent Russian research worker, has invented a device which he claims will transmit photographs of moving objects by wireless. The process is completed in a few seconds.

BROADCASTING COMPETITION.

2KY, Trades Hall Broadcasting Station, in conjunction with the Univocal Film Manufacturing Company, are pioneering a new entertainment by broadcasting a serial drama adapted from the screen version of the "Swiss Family Robinson," entitled "Tales of the Wild."

In addition to the entertainment value, there is an excellent prize offered in conjunction with the reading of the serial. The first prize will be a two-valve United receiving set, complete with all accessories. Further details of this competition will be given in our next issue.

RADIO SHIEKS.

To the deep-sea sailor the radio play is a "gift of the gods," according to a report from a listener on the s.s. "Meton," plying the Pacific Ocean.

"On behalf of the officers and men aboard the s.s. 'Meton,' I wish to express commendation for the plays broadcast by KGO," reads a letter selected from the daily mailbag of the "General Electric Pacific Coast Broadcaster." "The radio play is yet the greatest improvement in broadcasting. It is especially a 'gift of the gods' for the sailor—the deep-sea sailor.

"We are all head over heels in love with the sweet voices of the ladies in the plays. And if we had women aboard there would, no doubt, be some broken hearts over your radio 'shieks'."

A SURVEY OF AMERICAN SETS.

A survey based on sales of manufactured sets by large retail stores in New York and Chicago, conducted by retailers, indicates that interest in regenerative receivers is practically gone in America. The Reinartz, which was next in popularity with the regenerative set in 1922, began to lose its status early in 1924. The neutrodyne achieved an important place in 1924 and held it until 1925, when it began to recede from favour on the appearance of the superheterodyne. If the present survey were based upon production instead of sales, the neutrodyne would be second in popularity to-day, but simple radio frequency is first now among constructors and the superheterodyne second. "Supers" are losing their popularity among the home-made sets, following a rapid rise to first place in preference during 1924. Neutrodynes are holding considerable interest, even though they fell off sharply in 1924.

(Continued on Page 33.)

Charles D. Maclurcan

Consulting Radio Engineer

CALIBRATION CHARGES.

Wavemeter Calibrations with Chart.

From Sub-Standard.

Error under 3 per cent.

Absorption and Buzzer Wavemeters, 15/- with one coil. 5/- per coil extra.

HETRODYNE WAVEMETERS.

11/10/- with one coil. 7/6 per coil extra. Calibrations from Standard Precision Wavemeter.

Error under 1 per cent.

Absorption and Buzzer Wavemeters, 25/- with one coil, and 7/6 per coil extra.

Hetrodyne Wavemeters, £3/3/- with three coils. 12/6 per coil extra.

CONDENSER CALIBRATIONS.

With Chart.

Variable Condensers, 15/- for one condenser, 10/- for extra condensers.

Fixed Condensers. 5/- for one condenser. Extra condensers, 2/- Special quotations for large quantities.

PRATTEN BUILDING,

26 JAMIESON STREET, SYDNEY.

Tel.: B 5925.



*Ediswan
Batteries*

EDISWAN Accumulators

Prices range from 15/-.

EDISWAN H.T. Batteries

made in ranges from 15 to 100 volts

Write for Complete List of EDISWAN
Wireless Accessories — Post Free

EDISWAN

EDISON SWAN ELECTRIC CO. LTD.,
58 CLARENCE STREET, SYDNEY.

Also at Melbourne, Adelaide, and Brisbane.

M. H.



Mica Fixed Condensers

are

1. Of the permanent capacity engraved thereon.
2. Instantly interchangeable.
3. Of everlasting and unfailing service.

Unmounted.

Mounted Typs.

Two Clips are supplied
with each Condenser.

each		each	
0.0001 to 0.001 μ F,	3/9	0.0001 to 0.001 μ F,	4/0
0.0015 to 0.01 μ F,	3/9	0.0015 to 0.01 μ F,	5/8
0.015 to 0.04 μ F,	4/3	0.015 to 0.04 μ F,	6/6

Built by

L. McMichael Ltd., Wireless Engineers, London.

OSBOLDSTONE & CO. PTY. LTD.,

100 Flinders Street, Melbourne,

Sole Agents.

H. J. HAPGOOD

Challis House, Sydney

Telephone: BW 6753

Representing 38 Australian and Foreign
Radio Manufacturers for both Indent and
Immediate delivery.

Sales Agent for Renrade Products, also

Emmo Products Manufactured by

ELECTRICITY METER CO.

From Here and There

Continued from page 31

Editor, "Wireless Weekly,"
Sydney.

Comrade,—

Greetings from myself, Ivan Kofitupski, from my father Boris Kofitupski, from my mother Alexandra Kofitupski, from my sister Katherina Kofitupski, and the rest of the bunch.

I was very stiff last week. When I went to the little bookstall on the corner of Nevsky Prospekt and the Kremlin, where I usually obtain my copy of "Wireless Weekly," I found my beloved paper was completely sold out. Weeping bitterly, I returned to my abode, and it took three gallons of vodka to ease my grouch, after which I beat up a few of the bourgeoisie and felt much better.

I can testify to the excellence of the many circuits published in your paper, and am at present using the Putrodyne featured in your issue of January 1st, 1926. On this set I got good signals from the station at Przewliski, situated three blocks away. I also get 2BL very well, but find it hard to separate him from Czwrnzvitch (pronounced as spelt).

Now that they have installed microphones at the place of execution, there is much more interest in broadcasting. The sound of the axe comes through very well, but after a couple of hours or so it becomes a little monotonous. Katherina Kofitupski only said to me sadly this morning that she wished we could hear the discussions broadcasted about the deportations in Australia. She looked so sad about missing these that we went together. Boris Kofitupski came in at that moment, and, catching sight of our tears, immediately began to sob. Boris is like that; he will sob about anything.

In conclusion, could you manage to publish the broadcast programmes eight months ahead instead of eight days?

With best wishes to your humming journal.

Yours,

IVAN IVANOVITCH KOFITUPSKI.

And another:—

Double Barrel Bar X Ranch,

Rattlesnake Creek,

Texas, U.S.A.,

October 16th, 1925.

Editor, "Wireless Weekly,"

Pard,—

Say, I'll slip it to the world your little old journal sure knocks 'em all rotten, and then some. Guy, I'll bowl it from the housestaps. I take Radio Bunk, QBT, Radio Rolls, and all them punk papers, but they ain't in the same burg as yours. No, Sir! I

made up a "Wireless Weekly" crystal set out of some wire fencing and rails off the fence, and I got enough volume from station B.U.N.K. to blow 39 bees across a forty-acre lot.

Yours,

EZRA Q. GUGGENHEIMER.

A REMARKABLE TEST CARRIED OUT.

The volume and lone clarity of the Magnavox Speaker was ably demonstrated in the Sydney Town Hall last Thursday by Messrs. Mick Simmons Ltd.

The apparatus used was Model MV1, Magnavox Telemegafone set which comprised 1 Loud Speaker with 18 inch horn, 1 Control Box, 1 Music Transmitter Tone Arm, 1 Speech Hand Transmitter.

The loud speaker was placed on a platform and was given a severe test: Dance music was of such volume that it more than filled the largest hall in Australia and even when modulated could be heard distinctly at farthest end of the hall.

His Master's Voice Records were used during the demonstration: Galli-Curci and Caruso were heard with remarkable volume and absolute absence of any distortion even though the volume was increased over twenty times.

Sale of Surplus Stock

MORE GENUINE BARGAINS FOR THE HOME CONSTRUCTOR

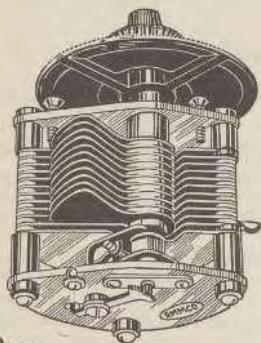
	s.	d.
2 ohm Rheostats, porcelain former, suitable for receiving or transmitting valves, each	2	6
Ever-ready battery boxes, each	2	6
1/2 inch Spark Coils, each	15	0
Bakelite dials, each	1	0
Bakelite knobs and dials, each	6	0
Brass Switch stops, doz.	6	0
Adaptors "R" to "V24" vertical or horizontal, each	9	0
Bakelite Panels, 12in. x 8 5/8in. x 3/16in. drilled, each	2	6
Bakelite Panels 12in. x 8 5/8in. x 3/16in. plain, each	4	6
Ebonite brushes and washers, doz., 1d., 3d. and	6	0

Other lines to be offered including variable condensers, telephones, etc., at gift prices.

ON VIEW

BASEMENT

Amalgamated Wireless (A/sia) Limited
97 Clarence Street, Sydney.
Address all mail orders to Dept. F.



Buy

Emmco
RADIO PRODUCTS

Emmco Radio Products

Manufactured by Electricity Meter Mfg. Co., Sydney
AUSTRALIAN MADE GUARANTEED LOW LOSS CONDENSER.

All Capacities with Direct Vernier.

Built like a Watch.

Most Minute Adjustment.

Absolute Insulation.

Grounded Rotor Metal End Plates.

Straight Line Wave Length. Square Law.

Most up-to-date Low Loss Condenser Made.

Emmco Jacks, Single at 2/6
 Emmco Jacks, Double at 3/-
 Emmco Jacks, Switch at 4/6

SEE THEM AT YOUR DEALERS

USE "PINNACLE" Honeycomb Coils

and bring in those LONG DISTANCE stations.

PINNACLE COILS are wound with the best grade of cotton covered copper wire. They are extremely rigid and are NOT covered with a large amount of heavy insulation dope. The Mounted Coils are fixed to well fitting Plugs and are protected with black celluloid strapping.

"PINNACLE" COILS FOR SHARP TUNING.

(Note the Variety of Sizes.)

Sizes—20 Turn	Unmounted,	1/5	Mounted,	3/4
25	"	1/8	"	3/8
35	"	1/8	"	3/8
40	"	1/10	"	3/10
60	"	2/-	"	4/-
80	"	2/2	"	4/2
75	"	2/4	"	4/4
100	"	2/8	"	4/8
125	"	2/11	"	4/11
150	"	3/2	"	5/2
200	"	3/6	"	5/6
250	"	3/10	"	5/10

Obtainable from

The Pacific Electric Co. Ltd.

Wholesale
Only.

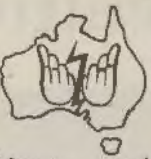
(SOLE AGENTS FOR NEW SOUTH WALES),
87 CLARENCE STREET, SYDNEY.

HEADQUARTERS
Royal Society's House
5 Elizabeth St
SYDNEY, N.S.W.

Wireless Institute of Australia

N.S.W. Div. Inc.

Incorporating the Affiliated Societies and The Australian Radio Relay League



W.L. Carter, Hon. Sec.
Box 3120 G.P.O. Sydney
Phone B2235
A.H. Perrett, Publicity Officer.

The monthly general meeting of the N.S.W. Division of the Wireless Institute of Australia was held at the Royal Society's Hall, 5 Elizabeth Street, Sydney, on Thursday, January 21, 1926. The President, Mr. Chas. Macpherson, was unavoidably absent, and Mr. H. A. Stowe, Vice-President, occupied the chair.

After the usual formalities the following gentlemen were unanimously elected to membership:—Claude Alvin Holmes, "Fleurbaix," Melrose Street, Mosman, full member; Guido Calenti, 262 Nelson Street, Annandale, full member; and L. H. Crane, associate member, 38 Herbert Street, Rockdale.

Experimental Research and Traffic Bureau.

Mr. Renshaw, Traffic Manager, announced that the operating schedules and rules and regulations of the bureau had been drawn up and printed, and were ready for distribution. All those who had completed the agreement and expressed their willingness to subscribe to the activities of the bureau would receive a copy of the schedule and rules and regulations. The schedule will take effect as from February 1, 1926.

Lectures.

The main item on the agenda was a lecture by Mr. C. W. Slade, who chose as his subject "Wireless in Submarines." Mr. Slade, who served with the British Navy

during the Great War, has had considerable experience in submarines. In addition to explaining the wireless apparatus used in submarines, Mr. Slade gave a thorough description of the Feenstone sound signal and the hydrophone and their uses. Details of the batteries used and the charging of same, together with an explanation of how a submarine is submerged and brought to the surface, were also given. The lecture, although it did not deal entirely with wireless, was extremely interesting. This was borne out by the number of questions asked at the conclusion of same.

Mr. Renshaw, in proposing a vote of thanks to Mr. Slade, stated that Mr. Slade's assertion that it was not possible to transmit from a submarine whilst it was submerged opened up a field for experimentation that might very well be taken up by the Institute. The vote of thanks was supported by Mr. Fry and carried by acclamation.

A discussion as to the advisability of printing and distributing the lectures among the members or of broad-casting them by radio was entered upon, and the Chairman promised to place the matter before the Executive Council for their consideration.

Agreement Forms.

The following additional agreement forms have come to hand:—J. M. Wilson, Marsden, 2LM; Concord Radio Club, 34D.

Round the Clubs

The asterisk denotes clubs affiliated with the Wireless Institute of Australia (N.S.W. Division.)

Remember! We now hold weekly meetings. Visitors are cordially invited, and the Hon. Secretary is Mr. L. J. Yelland, 7 Hudson Street, Easternwick, to whom all inquiries should be addressed.

THE ELSTERNWICK RADIO CLUB.

Affiliated with W.I.A. (Vic. Div.).

Much enthusiasm was displayed at the club's last meeting for 1925, during which it was unanimously decided that a meeting be held every Monday night in future instead of twice a month as at present.

The first meeting for 1926 was held on January 18, when the President asked for members who wished to become transmitters, and who were willing to regularly attend a weekly class and conscientiously study for that purpose. A goodly response was received. So a class will be started immediately, and all who wish to attend are requested to "get in early."

The value of our reports in "Wireless Weekly" was demonstrated when a letter was received from the Wooloowin Radio Club, of Queensland, who had made our acquaintance through that medium.

Mr. Soames, of the Kilda Club, provided an instructive lecture from a paper which he had prepared on "Valve Characteristic Curves." Members were shown how it is possible to compute the characteristics of any valve from its curve, from which a great deal of useful data could be obtained.

Mr. Soames has kindly offered to supplement this lecture with a further study of valves at a meeting to be held on February 8, when all interested in this fascinating subject are invited to be present.

The club desires to thank Messrs. Alexander Mair and Co., of Melbourne, who kindly presented a valuable piece of apparatus for the club's use.

MARRICKVILLE AND DISTRICT RADIO CLUB.*

The above club, to celebrate the opening of the new year, and also to let radio enthusiasts know that it is still going strong, held a very successful social and dance in the hall of the Marrickville School of Arts on the night of Monday, January 18. There was an excellent attendance of members and their friends, and in addition the majority of the metropolitan clubs were represented, and the club was specially honoured by the visit of Major and Mrs. Coates.

Dancing was indulged in throughout the evening, and at intervals songs were rendered by Messrs. J. and W. L. Hamilton and J. Williamson, which were very much appreciated by the company, while Mr. W. Scott caused considerable amusement by an excellent display of sleight-of-hand and card manipulation. Mr. W. Edwards kindly gave his services in the capacity of pianist for the dancing and accompaniment, and was ably assisted by Mr. Hobbs. The big event of the night, however, was an acrobatic dancing display by "Insulator" and his partner, and it can be truthfully stated that he "brought down the house!"—likewise himself and his partner. Owing to the exhausting nature of the dance the performers had to reluctantly ignore the persistent calls for an encore.

The committee wish to thank all those whose efforts were responsible for the success of the evening.

The club meets every Monday night at Marrickville School of Arts, and visitors and all interested in radio are cordially invited. The Secretary, Mr. A. W. Hemming, of 23 Central Avenue, Marrickville, will be pleased to hear from intending members, and will supply full particulars as to membership fees, etc.

Grodan Neutrodyne Kits



For Home Assembly

Neutroformers would ready to instal offer the best inducement to those building a set for selectivity and distance. Hundreds of Grodan Kits are in use in the Southern States, giving complete satisfaction.

Price for Kits, viz., 3 Neutroformers, 2 Neutralising Condensers, 27/6 each.

Parts, comprising 3 Sets Special Tubes, 3 Angle Frames N.P., 2 N. Condensers, 12 Binding Posts, 16/6 each.



Folding Loop Aerials,
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Valve Holders for
English Valves,
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"Ecs" Plug and Socket Terminals,
Five Colours,
Plug and Socket, 9d. each.

There's a use for "Ecs" (Plug and Socket Terminals) in every Set

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THE SOUTH RANDWICK AND DISTRICT RADIO CLUB.*

At 8 o'clock last Monday night there was a large attendance of members, as usual. Owing to the President, Mr. Southwood, and the Hon. Secretary, Mr. W. R. Hardy, being departed to represent the club at the Murrumbidgee Club's social, Mr. Hopewell, the Vice-President, occupied the chair.

Two new members were enrolled, and general business was quickly dealt with, including the preliminary arrangements to go right ahead with the new workshop.

A short lecture was given by Mr. H. Scarsbrick, entitled "Wavelength and Kilocycles," and the conclusion of which a general demonstration of apparatus was given by various members. Mr. Fred Williams again brought along his much admired loud speaker, the appearance and performance of which has created a great deal of interest. Another piece of apparatus that caused a good deal of comment was an "Ultra Audion" single valve set of a very compact and efficient design, brought along by Mr. W. O'Brien.

This progressive radio club is growing by leaps and bounds; and there is always room for anyone interested in radio who cares to avail himself of this opportunity. All inquiries are welcomed by the Hon. Secretary, Mr. W. R. Hardy, or at 8 o'clock any Monday night at "Reslie," See Street, South Kensington.

THE LEICHHARDT AND DISTRICT RADIO SOCIETY.*

(Licensed Experimental Transmitting Station 2L2LE.)

The 160th general meeting of the above society was held at the club rooms, 174 Johnston Street, Alexandria, on January 19 last. Owing to the inclemency of the weather the attendance was not as good as usual. The business of the evening was a lecture by Mr. J. G. Arkell, entitled "The Design of Aerial Masts." The lecture set the features to be taken into consideration in designing a mast, especially the stresses due to wind pressure, which are, strange as it may seem, far in excess of any strain set up by the aerial alone. The type of construction recommended was the trussed mast. The stresses were calculated for each wire forming part of the truss, also the weight of the masts, etc. At the conclusion considerable discussion ensued on the various points raised. A hearty vote of thanks, accompanied by acclamation, was accorded the lecturer for his remarks. There was then read the proposed rules and regulations governing the transmission of messages, etc., by the Traffic Bureau, and spirited discussion arose on one or two points. The meeting then closed at 10.30 p.m. Inquiries relative to the club's activities are cordially invited, and should be addressed to the Hon. Sec., M. J. G. Arkell, 148 Hereford Street, Forest Lodge.

CONCORD AMATEUR RADIO CLUB (A-26D).*

The members of the above club met on Thursday, Jan. 21, for the purpose of holding their weekly meeting. The club room is situated at "Euripides," Wallace Street, Concord.

The meeting was opened at 8.10 p.m. when Mr. J. G. Arkell, Secretary of the Leichhardt Club, was welcomed as a visitor. He was accompanied by Mr. Nordstrom, also of L.R.C.

After the minutes had been confirmed and correspondence received, the usual half-hour Morse class was started. This is a feature of our meetings, and one that could well be taken up by all clubs.

Owing to unforeseen circumstances the syllabus could not be followed, and the proposed lecture was abandoned. Mr. W. H. Barker stepped into the breach, however, and gave us an impromptu talk on the "Valve." The lecture for next week will be taken from "Ballantine," and will be given by Mr. Cawthron.

During the evening Mr. Nordstrom gave us an outline of the proposed rules to govern the Radio Relay League.

The meeting closed at 10.15 p.m. All inquiries as to membership, etc., will be attended to if addressed to the Hon. Secretary, c/o the club rooms.

7BN.

7BN is a B class station owned and operated by Tasmanian Radio Pty. Ltd., George Street, Launceston. Wavelength, 210 metres. On the air Mondays, 8 p.m. to 10 p.m., Saturdays, 8 p.m. to 9 or 10 p.m.

WHAT I SEE AND HEAR.**Oil Painting Free.**

In the "Saturday Evening Post" last week, there appeared a rather unique offer made by the makers of the Philco Battery. They will deliver freight paid, in good order and condition an oil painting worth 100 guineas to the door step of the man who can tell the most heart rending story of an actual experience of embarrassment, humiliation, or danger through the failure of a battery. We are all of us familiar with the famous heading "And then I got my Philco" so with all this inducement, one can look forward in the future to something real thrilling.

How Radio has Grown.

The extent of the Radio Industry may be judged by the fact that the entire output of the Acheson Graphite Co. was absorbed by the Burgess people last year for the manufacture of Burgess Dry Batteries in America and Canada alone. The Burgess Co. also controls its own Manganese Mines and has its own Grinding and Treating Plants.

Girls in Battery Factories.

The girls capping carbons in the Burgess works are paid 1/1 per thousand and do nearly two thousand an hour. The girls wrapping cores average a little more, while the men on the Core Machine average about £7/- per week.

Price or Quality—Which?

It has often been said that Sydney is purely a price market and that there is only a very small demand for goods of higher quality and price. In the early days of Radio this was undoubtedly the case. The cheapest lines were bought regardless of efficiency and with what sad results everybody knows. High grade articles may cost 25 per cent. more, but they nearly always have a minimum life of twice the cheap make, and give better results at all times.

Wet or Dry "B" Batteries.

A rechargeable "B" Battery costs say £8/15/- and after that about 3/- per year for charging. Assuming that its life is 6 years which is a very conservative estimate it would have cost at the end of that period £9/13/-. Allowing 2 dry batteries a year at 25/- each we find that 6 years radio costs £15/-/-

—(Advt.)

Q&A?

On the evening of Wednesday, January 13, G. C. Cawood, Morora, via Ulong, heard a station on about 40 metres sending a message addressed to someone at West Virginia, U.S.A., as follows:—"Sending this west to New Zealand, from whence it will be sent to England." Can anyone supply the origin of this station?

SENSATIONAL OFFER

PAYMENT £1 *will insure immediate delivery in the Metropolitan Area*

OF

- (1) By purchasing a Single Valve Unit Set you secure the foundation of the most up-to-date 4 Valve Set
- (2) The Second Unit gives more volume.
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- (5) A Built-in Loud Speaker is fitted in the Cabinet with the Single Valve Set
- (6) A Low Loss & Broadcasting Receiver in one
- (7) Each Unit is complete with the necessary accessories
- (8) Not a penny wasted. Add to your Foundation Receiver at will and you don't have to scrap your previous Set
- (9) We show you how to work it, and it is guaranteed.
- (10) Crystal Clearness — Simplicity of Operation throughout



VALVE WIRELESS

SET on an exclusive unit system

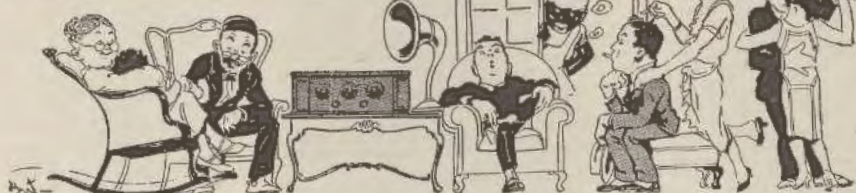
This set is built in a handsome foundation cabinet and has a 1 valve set with headphones and a loud speaker permanently built in.

Applicable to all classes of reception. Extra valves can be added to a full strength 4 valve set without reconstruction.

£1 down secures immediate delivery
Balance 5/- weekly.

Home Recreations Ltd
388 George St., Sydney
(opp. Beard Watson's)

Broadcasting



4QG

QUEENSLAND RADIO SERVICE.

Wavelength, 385 metres.

FRIDAY, JANUARY 29.

MIDDAY SESSION.

12.55—Tune-in signal.

1—Market reports supplied by the Council of Agriculture; Stock Exchange information supplied by the Committee of the Brisbane Stock Exchange; was ther information supplied by the Commonwealth Weather Bureau; "Daily Standard" news service. Close down.

8—Tune-in to the Tivoli Theatre.

8.5—From the Studio: Contralto solo, "When We're Together" (James), Mrs. Chas. Willey; Mr. N. Gould and his banjo; tenor solo, "Because" (D'Hardsel); Mr. W. Stebbins; instrumental number, "Love Letters" (Jackson), the Studio Quartette; baritone solo, "Di Provenza Il Mar" (Verdi), from "La Traviata," Mr. Ralph Moffat; cornet solo, "My Old Kentucky Home" (Hartman), Mr. J. W. Burgmeister; aeolian selection, soprano solo, "The Magic of Your Voice" (McDermaid), sung by Miss Evelyn Scetney; instrumental number, "I'm Gonna Bring a Watermelon," the Studio Quartette; contralto solo, "Beloved, it is Morn'" (Aylward), Mrs. Chas. Willey; Mr. N. Gould and his banjo; baritone solo, "The Ship of Rio" (Whittaker), Mr. Ralph Moffat.

8.55—Weather information officially supplied by the Commonwealth Weather Bureau.

9—Announcements.

9.5—Tenor solo, "Parted" (Tosti), Mr. W. Stebbins; cornet solo, "The Water Witch" (Clay Smith), Mr. J. W. Burgmeister; aeolian selection, soprano solo, "When the Stars were Brightly Shining" (from "La Traviata"), sung by Miss Evelyn Scetney; flute solo, "Dainty Dance" (Lemmon), Mr. B. Kelly.

9.15—From the Tivoli Theatre: By courtesy of the directors of Haymarket Theatre Ltd., three-quarters of an hour's music by the Tivoli Operatic Orchestra, under the baton of Mr. C. Graves, will be relayed from the Tivoli Theatre.

9.55—From the Studio: The "Daily Mail" news service. Close down.

SATURDAY, JANUARY 30.

No midday transmission.

The Children's Hour.

A children's bedtime story session is

held each Monday, Wednesday, and Saturday evening. At a later date this session will be made a nightly feature, but in the immediate present, while transmission is being affected under temporary conditions, it is held three times weekly.

6.25—Tune-in signal.

6.30—The Children's Hour. Nursery rhymes and music; bedtime stories by "The Sandman."

7.15—Close down.

Night Session.

8—Tune-in to the Tivoli Theatre.

8.5—From the Studio: Hawaiian instrumentalists, "Hawaiian Echoes," the Kalua Trio; contralto solo, "Less Than the Dust" (Woodford-Pindon), Miss Vera Parker; soprano solo, "Longing for You" (Fisher), Mrs. Robt. Bell; radio novelty, mouth organ selections by Mr. W. Ranch; baritone solo, "Ma Little Banjo" (J. P. Cobb), Mr. D. Bradford; Hawaiian instrumentalists, "Evening," the Kalua Trio; contralto solo, "Wings in the Trees" (Goring Thomas), Miss Vera Parker; mouth organ selections by Mr. W. Ranch; baritone solo, "Somewhere a Voice is Calling" (A. O. Benson, Mr. D. K. Syme); Hawaiian instrumentalists, "One, Two, Three, Four" (medley), the Kalua Trio; baritone solo, "I Passed by Your Window" (May Drahe), Mr. D. Bradford.

8.50—Weather information officially supplied by the Commonwealth Weather Bureau.

8.55—Announcements.

9—Soprano solo, "Sleepy Hollow Tune" (Kountz), Mrs. Robt. Bell; aeolian selection, band number, "Tisniss" (Rimmer); baritone solo, "Go to Sleep" (Trotter), Mr. D. K. Syme.

9.15—From Lennon's Hotel: By courtesy of the proprietors of Lennon's Hotel, an hour and a quarter's dance music, played by Miss May Dobbey's View-Royal Orchestra, will be relayed from Lennon's Ballroom.

10.30—From the Studio: The "Daily Mail" news service. Close down.

SUNDAY, JANUARY 31.

MORNING SESSION.

The complete morning service of the International Bible Students' Association will be relayed from the Brisbane School of Arts.

10.50—Tune-in signal.

10.55—Organ overture.

11—Opening hymn, "Praise the Lord," No. 55; prayer; announcements; hymn No. 272, "Stand up for Jesus"; Scripture reading, Matt. 24, v. 3 to 14, Isa. 13, v. 6 to 13, Isa. 2, v. 1 to 4; solo, selected, Miss Orlson;

address, "Prophecy and Present Day Events"; Mr. Alce McCulloch; solo, selected, Mr. W. A. Donald; closing hymn, No. 84, Parting Hymn.

12.20—Benediction.

Afternoon Session.

Band Concert.—The band concert provided in the Brisbane Botanical Gardens will be relayed.

3.10—Tune-in signal.

3.15—Band concert.

4.30—Close down.

Night Session.

The complete evening service of the International Bible Students' Association will be relayed from the Brisbane School of Arts.

7.30—Tune-in signal.

7.35—Organ overtures.

7.30—Opening hymn, No. 10, "All hail the power of Jesus' Name"; prayer; hymn No. 164, "Hear the Call";

Scripture reading, I Cor. chap. 15; announcements; solo, "We shall feed His Rock," Mrs. Taylor; address, "Immortality," Mr. L. R. McGregor;

solo, selected, Mr. W. A. Donald; closing hymn, No. 93, "Our Firm Foundation"; Benediction. Band concert.

At the conclusion of the church service, the band concert provided in Wickham Park by the Greater Brisbane Municipal Band, under the leadership of Mr. E. Jackson, will be relayed. The following numbers will be included—Overture, "The Barber of Seville" (Rossini); scena and aria from "Tuti in Massera" (Paderini);

clarinet solo, Mr. D. Williamson; song, "I Love You" (H. Archer), Mr. Maurice Goldhill; selection from "La Traviata" (Verdi); Valse Triste (Sibclius); song, "Bill Jim's Ansel Song" (McLean), Mr. Maurice Goldhill.

9.30—Close down.

MONDAY, FEBRUARY 1.

MIDDAY SESSION.

12.55—Tune-in signal.

1—Market Reports supplied by the Council of Agriculture; Stock Exchange information supplied by the Committee of the Brisbane Stock Exchange; Weather Information supplied by the Commonwealth Weather Bureau; "Daily Standard" News Service. Close down.

The Children's Hour.

A children's bedtime story session is held each Monday, Wednesday, and Saturday evening. At a later date this session will be made a nightly feature, but in the immediate present, while transmission is being affected under temporary conditions, it is held three times weekly.

6.25—Tune-in signal.

6.30—The Children's Hour. Nursery Rhymes and Music. Bedtime stories by "The Sandman."
7.15—Close down.

Night Session.

8.—Tune-in to the Tivoli Theatre.
8.5.—From Studio. Hawaiian instrumentalists: "Honolulu Hula Girl" (Cunha), The Pacific Trio; motorists corner: A talk by Mr. W. J. Donohoe; soprano solo: "Caravana" (L. Lane Wilson), Miss Millicent Baker; clarionatory number: "The Caretaker" (Winter), Miss Foe Todd; baritone solo: "Al Gredon Fair" (Dahl Mario), Mr. Fred Homer; Hawaiian instrumentalists: "Honolulu Broad-rasting" (a medley introducing "Us Like no other"), The Pacific Trio; soprano solo: "Honig" (del Biago), Miss Millicent Baker; allocationary number: "Life" (Guest), Miss Foe Todd; baritone solo: "The Wedding of Sarah Lee" (E. Martin), Mr. Fred Homer; Hawaiian instrumentalists: "Waikanae" (Alan), The Pacific Trio.
8.60—Weather information officially supplied by the Commonwealth Weather Bureau.
8.55—Announcements.

9.—A Dance session of an hour and a quarter's music by the Elite Orchestra under the leadership of Mr. T. J. Kendall, vocal numbers by Madame Bolhova. Two steps: (a) "Who Wouldn't love you" (Davies and Burke); (b) "Keep it" (Huffman), The Elite Orchestra; coloratura soprano: "Vilhande" (Del Aqua), Madame Bolhova; fox trots: (a) "Twelve o'clock at Night" (Rose, Ruby & Handman); (b) "Jealous" (Little, Malle & Finch), the Elite Orchestra; soprano: "Ala Massarade" (Vardi), Mme. Bolhova; salang, (a) "Come back old Pal" (Plunkel); (b) "Away from you" (Davies and Agor), the Elite Orchestra; soprano solo: "Here to Love" (Hulens), Miss Eileen McLeannan; one steps: (a) "Bouncer" (Nield); (b) "Ain't my baby Grand" (King and Henderson), the Elite Orchestra; soprano solo: "Sympathy" (Marshall), Miss Eileen McLeannan; fox trot: "Sweet Little You" (Bibo); waltz: "Whirl I do" (Berlin), the Elite Orchestra.
10.15—"The Daily Mail" News Service. Close down.

TUESDAY, FEBRUARY 2.

Midday Session.

12.55—Tune-in Signal.
1.—Market Reports supplied by the Council of Agriculture; Stock Exchange information supplied by the Committee of the Brisbane Stock Exchange; weather information supplied by the Commonwealth Weather Bureau; "Daily Standard" News Service. Close down.

Night Session.

8.—Tune-in to the Tivoli Theatre.
8.5.—From Studio. Leclercette "Photography" by Mr. E. L. South (Mansager, Kodak Ltd.); baritone solo: "The King's Minstrel" (Pinetti), Mr. L. R. Little; musical monologue: "Broken Sixpence" (Hayes), Miss Neta Cross; English concertina: Selections from "Don Pasquale" (Dimitz), Mr. E. P. Fowrey; soprano solo: "Thoughts have Wings" (Lohmann), Miss Lillian Brown; instrumental number: "Dancing Nymphs" (R. Braine), the Studio Quartette; tenor solo: "The Last Watch" (Fussler), Mr. G. Williamson; musical monologue: "Devil may Care" (Taylor), Miss Nita Cross; baritone solo: "The Irish Emigrant" (Daker), Mr. J. B. Clouston.

8.50—Weather information supplied by the Commonwealth Weather Bureau.
8.55—Announcements.

9.—Baritone solo: "Audacely" (Eville), Mr. L. R. Little; vocal duet: "Two Friends" (Broadbent Black), Messrs. J. B. Gleeson and G. Williamson; instrumental number, fox trot: "Out Yonder" (Rose), the Studio Quartette; soprano solo: "In setting Sun" (Grannu Peel), Miss Lillian Brown; English concertina, march: "Songs of the Brave" (Biddoo), Mr. E. P. Fowrey; baritone solo: "O'er the Hills Jassie" (Sperte), Mr. J. B. Clouston; flute solo, Swedish Ballad: "Mid the odour of Roses" (Stockmeat), Mr. B. Kelly; tenor solo: "Little Irish Girl" (Lohr), Mr. G. Williamson.

9.30.—From the Tivoli Theatre. By courtesy of the Directors of Haymarket Theatres Ltd., half an hour's music played by the Tivoli Operatic Orchestra will be relayed from the Tivoli Theatre.
9.55.—From the Studio. "The Daily Mail" News Service. Close down.

WEDNESDAY, FEBRUARY 3.

Midday Session.

12.55—Tune-in Signal.
1.—Market Reports supplied by the Council of Agriculture; Stock Exchanges Information supplied by the Committee of the Brisbane Stock Exchange; weather information supplied by the Commonwealth Weather Bureau; "Daily Standard" News Service. Close down.
The children's hour.

A children's bedtime story session is held each Monday and Wednesday and Sunday evening. At a later date this session will be made a nightly feature but in the immediate present, while transmission is being effected under temporary conditions, it is held three times weekly.

6.25—Tune-in Signal.
6.30—The Children's Hour. Nursery Rhymes and Music. Bedtime stories by "Little Miss Biddime."
7.15—Close down.

Night Session.

8.—Tune-in to the Tivoli Theatre.
8.5.—From the Studio. Bass solo: "Tinker Tom" (Squire), Mr. J. P. Cornwell; Lecture to farmers by Mr. K. Wight; Radio novelty: Mr. W. R. Ranch and his mouth organ; baritone solo: "The Veterans' Song" (Adams), Mr. J. P. Cornwell; instrumental number: "Star of the Orient" (Zamecnik), the Studio Quartette; tenor solo: "Nirvana" (Stephen Adams), Mr. J. Lord; Mr. W. Ranch and his mouth organ; bass solo: "Pals" (Squire), Mr. J. P. Cornwell; Duo Art selection: "Pierrot and Pierretta" (Edwards); tenor solo: "Mountain Lovers" (Squire), Mr. J. Lord.
8.50—Weather information officially supplied by the Commonwealth Weather Bureau.
8.55—Announcements.

9.—Baritone solo: "Land of Hope and Glory" (Elgar), Mr. D. K. Symes; instrumental number, fox trot: "Why don't you say so" (E. Tierney), the Studio Quartette; Aeolian selection, male quartette: "Honey I want you"; Two minutes of music, patter, and mirth by "The Sparklers"; soprano solo: "Soul of Mine" (Ethel Barnes), Miss Eileen McLeannan; ten minutes of music, patter, and mirth by "The Sparklers"; soprano solo: "Carissima" (Pagan), Miss Eileen McLeannan; Duo Art selection, by request, "Valse Parisienne" (Léo S. Roberts); bass

solo: "The Windmill" (Nelson), Mr. Norgan A. Cooling.
9.55—"The Daily Mail" News Service.
10.—Close down.

THURSDAY, FEBRUARY 4.

Midday Session.

12.55—Tune-in Signal.
1.—Market Reports supplied by the Council of Agriculture; Stock Exchange information supplied by the committee of the Brisbane Stock Exchange; weather information supplied by the Commonwealth Weather Bureau; "Daily Standard" news service. Close down.
Night Session.

8.—Tune-in to the Tivoli Theatre.
8.5.—From the Studio. Baritone solo: "Fair Daughter of a Traitor Race" (Del Biago), Mr. E. Moffat; cornet solo: selected, Mr. E. Ffory; instrumental number: "Love's Dream," waltz, the Studio Quartette; baritone solo: "The Lads in Red" (Molloy), Mr. P. C. Lloyd; Aeolian selection (his request): "Lo, Here the gentle Lark" sung by Miss Evelyn Scotney; baritone solo: "Through the Fields in Winter" (Sokoloe), Mr. Ralph Moffat; Bookman's Radiette: a talk on latest literature by Mr. W. A. Braden (McLeod's Bookstore); instrumental number: "Mignonette" (Jackson), the Studio Quartette; baritone solo: "Nita Gitsam" (Wentherly), Mr. P. C. Lloyd; cornet solo: Selected, Mr. E. Ffory.

8.50—Weather information officially supplied by the Commonwealth Weather Bureau.

8.55—Announcements.
9.—From the Centennial Hall. By courtesy of the lessee, an hour's programme of Dance music by the Centennial Hall Orchestra will be relayed.
9.55.—From the Studio. "The Daily Mail" News Service. Close down.

2KY

WEEKLY BROADCASTING PROGRAMME.

TRADES HALL.

Call Sign, 2KY. Wavelength, 280 metres.

FRIDAY, JANUARY 29.

Afternoon Session.

2.30—A varied vocal and musical programme will be transmitted closing down at 4.45 p.m.
Children's Hour.
6.30—"The Man in the Moon."
Evening Session.
7.45—Latest news items, Ryan's Viola Dance Orchestra, Miss Eama Diehl, L.L.C.M., Miss Maisie Carroll (soprano), Mr. Alf James (baritone), and others to be announced.

SATURDAY, JANUARY 30.

Evening Session.

7.45—Latest news items and sporting results, Mr. Paisley (tenor), Miss O'Neil (courante), Herbert Bauer (humorous odds and ends), and others to be announced.

MONDAY, FEBRUARY 1.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted, closing down at 4.45 p.m.
Children's Hour.
6.30—"The Man in the Moon."

Evening Session.

7.45—Latest news items: Miss Amy Ruwald, entertainer; Miss D. Johnstone, soprano; Miss Wood, soprano; Mr. J. Gray, baritone; Mr. W. Strain, tenor; Mr. Walter Rankin, musical lecturer; lecturer, "My Visit to Russia"; Mr. J. S. Garden, Froeland's Dance Orchestra. Mr. Beard, radio lecturer, the technical designer of 2KY, 1st chapter of the Universal Chapter Play, "Perils of the Wild"; serial story, will be broadcasted tonight.

TUESDAY, FEBRUARY 2.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted, closing down at 4.45 p.m.
Children's Hour.
6.30—"The Man in the Moon."
Evening Session.
7.45—Mr. McKillop, tramway comedian; Miss Dorrington, soprano; Cec. Morris and his Bluebirds' Jazz Band; and others to be announced.

WEDNESDAY, FEBRUARY 3.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted, closing down at 4.45 p.m.
Children's Hour.
6.30—"The Man in the Moon."
Evening Session.
7.45—Latest news items; radio lecture, Mr. B. Whitaker; Mr. David Bond, baritone; Miss Dean, pianist; Mr. Don Ellis, harmonica; and others to be announced.

THURSDAY, FEBRUARY 4.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted, closing down at 4.45 p.m.
Children's Hour.
6.30—"The Man in the Moon."
Evening Session.
7.45—Latest news items; Messrs. Raymond and Price, vocal duet; Miss Thibie Smith, monologues; Miss Beckie Jones, contralto; 2nd chapter of the Universal Chapter Play, "Perils of the Wild"; wireless lecturer, Mr. Beard, technical designer, "The Construction of 2KY"; and others to be announced.

2BL

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FRIDAY, JANUARY 29.

Afternoon Session.

3—4 P.O. clock and chimes; weather report and social notes from the "Sun."
3.15—Music from the Studio.
3.30—G.P.O. clock and chimes; a talk on "Studies in English Poetry" by Mr. J. M. Prentice.
3.45—Music from the Studio.
4—4 P.O. clock and chimes; music from the Studio.
4.30—G.P.O. clock and chimes; serial story entitled "The Treasure of Ho."
4.45—Music from the Studio.
4.55—Late market reports from the "Sun."
5—4 P.O. clock and chimes; "Sun" news service.

5.15—G.P.O. clock and chimes. Close down.

Early Evening Session.

6—G.P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cec Morrison.
6.30—Sporting resume from "Sun" Newspapers; Uncle George and the kiddies.
7.45—Late stock, hides and market reports by courtesy of Pitt, Son and Badgery.
7.50—Close down.
Evening Session.
From the Studio: Cyril James, baritone; the Abad Duo in steel guitar selections; Miss Tot Loudon and Mr. John Bonnesse in musical sketches; Professor Bell's Embassy Jazz Orchestra, under the direction of Mr. S. Bennett, broadcast from the Embassy Palais. At 9 p.m., Mr. H. C. Morgan will speak on "Motoring," and at 10 p.m. there will be a round the world travelogue by Mr. J. M. Prentice, O.C.B., C. de G.

SATURDAY, JANUARY 30.

Afternoon Session.

2—G.P.O. clock and chimes; special sporting information broadcast from "Sun" office direct.
5.15—G.P.O. clock and chimes. Close down.
Evening Session.
6—G.P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cec Morrison.
6.30—Sporting resume from "Sun" Newspapers; Uncle George and the Kiddies.
7—A talk to the kiddies by Bringe.
7.45—A talk on "Ronda."
Evening Session.
Concert from the Studio by the Chero Girls, under the direction of Mrs. Bennett-White. Among the many distinguished artists included in the company are Miss Edith Dickerson in songs at the piano, Mrs. Bennett-White in impersonations, and Miss Dorrie Ward, the favorite mezzo-soprano. At 8.30 Mr. W. Fitzpatrick will speak on "Life at Sea," and at 9.30 Bringe will speak about the "Aborigines." On the same night dancers are being further catered for a programme transmitted by the Dugowan at Manly.

SUNDAY, JANUARY 31.

11—Service broadcast from St. Patrick's Church, Church Hill.
3.30—Concert from the Studio.
7.15—Service broadcast from Petersham Baptist Church.
8.30—From the Studio: Lotys Legeant, soprano; Alfred Cunningham, baritone.

MONDAY, FEBRUARY 1.

Afternoon Session.

3—G.P.O. clock and chimes; weather report and social notes from the "Sun."
3.15—David Jones' Tea Room Trio.
3.30—G.P.O. clock and chimes; a talk on "A Course in English Literature" by Mr. J. M. Prentice.
3.45—Music from the Studio.
4—G.P.O. clock and chimes; David Jones' Tea Room Trio.
4.15—Music from the Studio.
4.30—G.P.O. clock and chimes; serial story entitled "The Treasure of Ho."
4.45—Music from the Studio.
4.55—Late market reports from the "Sun."
5—G.P.O. clock and chimes; "Sun" news service.
5.15—G.P.O. clock and chimes. Close down.

Early Evening Session.

6—4 P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cec Morrison.
6.30—Sporting resume from "Sun" Newspapers; Uncle Jack and the kiddies.
7.30—"What's On?"—a guide to the visitors and citizens of Sydney.
7.45—Late stock, hides and market reports by courtesy of Pitt, Son and Badgery.
7.50—Close down.
Evening Session.
Orphan's Wall broadcast from Warrigal Hall, Neutral Bay. Assisting artists: Iva Thomas, the premier pantomime dame; Gilda Patini; Robert Harvey, tenor; Signer Kusso. During the evening Mr. Mautica Braton will continue his talks on "Memory Culture" and Mr. Fraser Anderson on "Astrological Aids to Character."

TUESDAY, FEBRUARY 2.

Afternoon Session.

3—G.P.O. clock and chimes; weather report and social notes from the "Sun."
3.15—Music from the Studio.
3.30—G.P.O. clock and chimes; special musical session.
4.30—G.P.O. clock and chimes; serial story entitled "The Treasure of Ho."
4.45—Music from the Studio.
4.55—Late market reports from the "Sun."
5—G.P.O. clock and chimes; "Sun" news service.
5.15—Close down.
Early Evening Session.
6—G.P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cec Morrison.
6.30—Sporting resume from "Sun" Newspapers; Uncle George and the Kiddies.
7.45—Late stock, hides and market reports by courtesy of Pitt, Son and Badgery.
7.50—Close down.
Evening Session.
Popular programme from the Studio: Broadcasters' Miniature Orchestra; Myra Gillon, contralto; William Dalison, tenor; Lotys Legeant, soprano, will sing with orchestral accompaniment. At 8.30 Mr. Leo Baring will speak on "The Wine Industry," and Mr. J. M. Prentice on "Foreign Affairs" and reply to any telephone question on the subject.

WEDNESDAY, FEBRUARY 3.

Afternoon Session.

3—G.P.O. clock and chimes; weather report and social notes from the "Sun."
3.15—Broadcasters' Trio.
3.30—G.P.O. clock and chimes; a talk on "The Musical Outlook" by Mr. J. M. Prentice.
3.45—Broadcasters' Trio.
4—G.P.O. clock and chimes; Broadcasters' Trio.
4.30—G.P.O. clock and chimes; serial story entitled "The Treasure of Ho."
4.45—Broadcasters' Trio.
4.55—Late market reports from the "Sun."
5—G.P.O. clock and chimes; "Sun" news service.
5.15—G.P.O. clock and chimes. Close down.
Early Evening Session.
6—G.P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cec Morrison.
6.30—Sporting resume from "Sun" Newspapers; Uncle George and Uncle Jack with the kiddies.

7.30—"The Advancement of an Australian Firm"—Geo. A. Bond and Co. Ltd.

7.45—Late stock, hides and market reports by courtesy of Pitt, Son and Badgery.

7.50—Close down.

Evening Session.

Haberfeld Rowing Club concert broadcast from School of Arts, Haberfeld. Assisting artists: Mrs. G. Ball, lyric quartette; Peter O'Riley; tenor; Phyllis McKee, alto; soprano; Nellie Chadwick, soprano; Chas. Snodgrass, baritone; Mary Neal, contralto; Ward Lear, comedian.

THURSDAY, FEBRUARY 4.

Afternoon Session.

3—G.P.O. clock and chimes; weather report and social notes from the "Sun."

3.15—David Jones' Ten Room Trio.

3.30—G.P.O. clock and chimes; music from the Studio.

4—G.P.O. clock and chimes; music from the Studio.

4.30—G.P.O. clock and chimes; serial story entitled "The Treasure of Ho."

4.45—Music from the Studio.

4.55—Late market reports from the "Sun."

5—G.P.O. clock and chimes; "Sun" news service.

5.15—G.P.O. clock and chimes. Close down.

Early Evening Session.

6—G.P.O. clock and chimes; Pavilion Dinner Orchestra, under the direction of Mr. Cee Morrison.

6.30—Sporting resume from "Sun" Newspapers; Uncle Jack and the kiddies.

7.45—Late stock, hides and market re-

ports by courtesy of Pitt, Son and Badgery.

7.50—Close down.

Evening Session.

Sketches by Frank Shipard and Company; Norman Wright, tenor; Stanley Catlett, tenor; Daisy Mangan, coloratura soprano. During the evening Mr. Dally Watkins will appear on "Acquaintance."

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FRIDAY, JANUARY 29.

Morning Session (11.30 a.m. to 2 p.m.)

11.30—G.P.O. Chimes.

11.31—Sirex Duo Art and Aeolian Vocalion records.

12—G.P.O. Chimes.

12.1—News and Cable Service.

12.2—The SCL Studio Orchestra will play:

Selection: "Gipsy Princess" (Lehr); vocal solo: "The Last Dream" (Gowan); reverie: "Yester Eve" (Zamcrnik); fox trot: "Honolulu Blues"; suite: "Love Sonnets" (Zamcrnik); tango solo: "Souvenir D'Amour" (Monteux); Dance: "Tomboucti" (Meyer Holmud); Instrumental Trio (Dreuck); finale: "The Rebel Maid" (Montoux).

1.35—S. C. Ward & Co.'s Stock Exchange intelligence and official weather synopsis.

2—G.P.O. Chimes.

Afternoon Session (3 to 5).

3—G.P.O. Chimes.

3.1—Relay from Maple Leaf Cafe; orchestral numbers.

3.45—Broadcast from Studio; serial story.

4—G.P.O. Chimes.

4.1—Broadcast from Arcadia Cafe; orchestral numbers.

4.55—Stock Exchange reports and general information.

5—G.P.O. Chimes.

Evening Session (6.30 to 10.30)

6.30—G.P.O. Clock and Chimes.

6.31—Bedtime Stories for the Children.

7.30—Stock Exchange and Market Reports.

7.40—Sporting Talk by "Did Timer."

8—G.P.O. Chimes.

8.2—Studio Concert under direction Mr. Bauerchose.

9—G.P.O. Chimes.

9.3—Studio Concert—continued.

10—G.P.O. Chimes.

10.1—Studio Concert—Continued.

10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.

SATURDAY, 30th JANUARY.

Morning Session: 10.30 a.m. to 12 noon.

10.30—G.P.O. Chimes.

10.31—The SCL Studio Orchestra will play: Overture, Light Cavalry (Suppe); Cornet solo, White Moon (Mette); Reverie, Thoughts at Twilight (Kendall); Fox Trot, How a Little Tune (Rooff); Instrumental Trio, Scramble (Schubert); Maxie, Le Riva (Dupont); Waltz, Down Hawaii Way (Regey); Selection, The Bohemian Girl (Balle); Finale, Bird of Paradise (Tully).

11.45—S. C. Ward & Co.'s Stock Exchange, intelligence and official weather synopsis.

12—G.P.O. Chimes, Announcements, Close down.

Afternoon Session

Stock Duo Art and Aeolian Vocalion records; also all sporting results when available.

Evening Session (6.30 to 10.30)

6.30—G.P.O. Chimes.

6.31—Bedtime Stories for the Children.

7.40—Sporting results and market reports.

8—G.P.O. Chimes.

8.2—Studio Concert of popular numbers arranged by Mrs. Hubert James.

9—G.P.O. Chimes.

9.1—Weather reports.

9.3—Studio Concert—continued.

10—G.P.O. Chimes.

10.1—Studio Concert—continued.

10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.

SUNDAY, JANUARY 31st.

11—Broadcast from Richmond Baptist Church—Rev. W. Keith Stoward—Divine Service.

Evening Session

6.30—Bedtime stories for the Children.

7—Broadcast from Parkside Baptist Church—Rev. Tuck—Divine Service.

8.30—Broadcast from Rowlands—Band Concert—Holden's. Station announcements. To-morrow's programme. National Anthem. Good Night.

MONDAY, FEBRUARY 1st.

Morning Session (11.30 a.m. to 2 p.m.)

11.30—G.P.O. Chimes.

11.31—Sirex Duo Art and Aeolian Vocalion records.

12—G.P.O. Chimes.

12.1—News and Cable Service.

12.2—The SCL Studio Orchestra will play—

Selection, The Arcadians (Montoux); Cello Solo, Sérénade (Von Blon); Fox Trot, You're just a Flower (Lucien Danni); Reverie, Vision D'Amour (Hyford); Mazurka, Le Czarine (Louis Ganne); Selection, Tantara (Wagner); Waltz, Little Rose in Tennessee (Dreuck); Oriental, Star of the Orient (Zamcrnik); Finale, Sybil (Jacobi).

1.35—S. C. Ward & Co.'s Stock Exchange, intelligence and official weather synopsis.

2—G.P.O. Chimes.

Afternoon Session (3 to 5)

3—G.P.O. Chimes.

3.1—Relay from Maple Leaf Cafe, orchestral numbers.

3.45—Broadcast from Studio, serial story.

4—G.P.O. Chimes.

4.1—Broadcast from Arcadia Cafe, orchestral numbers.

4.55—Stock Exchange reports and general information.

5—G.P.O. Chimes.

Evening Session (6.30 to 10.30)

6.30—G.P.O. Chimes.

6.31—Bedtime Stories for the Children.

7.30—Stock Exchange and market reports.

7.40—Swimming Talk by Mr. Boatwright.

8—G.P.O. Chimes.

8.2—S.A. Railway's Band, interspersed with vocal numbers.

8.20—Humorous Talk by Twinkler.

8.40—S.A. Railway's Band—continued.

99—G.P.O. Chimes

9.1—Weather reports.

9.2—S.A. Railway's Band—continued.

10—G.P.O. Chimes.

10.1—S.A. Railway's Band—continued.

10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.

TUESDAY, FEBRUARY 2nd.

Morning Session (11.30 a.m. to 2 p.m.)

11.30—G.P.O. Chimes.

11.31—Sirex Duo Art and Aeolian Vocalion records.

12—G.P.O. Chimes.

12.1—News and Cable Service.

12.2—The SCL Studio Orchestra will play—

Selection, Madame Butterfly (Puccini); Cornet Solo, By the Silence of the Moon (Johnson); Fox Trot, Hevras (Schrotenberg); Intermesse, In a Canoe (Zamcrnik); Selection, Pot Luck (Vanderidge); Violin Solo, This (Massenet); Waltz, Hawaiian Love Nest (Vanderloot); Cello solo, Romance (Bohner); Finale, Blossom Time (Schubert).

1.35—S. C. Ward & Co.'s Stock Exchange intelligence and official weather synopsis.

2—G.P.O. Chimes.

Afternoon Session (3 to 5)

3—G.P.O. Chimes.

3.1—Relay from Maple Leaf cafe, orchestral numbers.

3.45—From Studio, serial story.

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SYDNEY.

- 4—G.P.O. Chimes.
4.1—Broadcast from Arcadia Cafe, orchestral numbers.
4.35—Stock Exchange reports and general information.
5—G.P.O. Chimes.
Evening Session (6.30 to 10.30)
6.30—G.P.O. Chimes.
6.31—Bedtime Stories for the Children.
7.30—Stock Exchange and market reports.
7.40—Physical Culture Talk by Mr. Noel H. Hubble.
8—G.P.O. Chimes.
8.3—Studio Concert arranged by Mrs. W. Keith Steward.
9—G.P.O. Chimes.
9.1—Weather reports.
9.3—Studio Concert—continued.
10—Radio Talk by Mr. E. W. J. Gunner.
9.25—Studio concert—continued.
10—G.P.O. Chimes.
10.1—Studio Concert—continued.
10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.

WEDNESDAY, 3rd FEBRUARY

- Morning Session (11.30 a.m. to 2 p.m.)
11.30—G.P.O. Chimes.
11.31—Stock Duo Art and Aerial Vocalist recitals.
12—G.P.O. Chimes.
12.1—News and Cable Service.
12.30—The 3CL Studio Orchestra will play: Overture, Queen of the Nile (Aster); Cornet Solo, For Ever and Ever (Tosti); Two Dances, Nell Gwynn (Gerns); Fox Trot, Seventeen; Instrumental Trio, Alondrina (Chaminade); Waltz, Mexican Rose (Tannet); Novalette, Basket of Roses (Aahers); Selection, Tina (Rubens); Finale, War March of the Priests (Mendelssohn).
1.55—S. C. Ward & Co's. Stock Exchange Intelligence and official weather synopsis.
2—G.P.O. Chimes.
Afternoon Session (5 to 5)
3—G.P.O. Chimes.
3.1—Relay from Maple Leaf Cafe, orchestral numbers.
3.15—Broadcast from Studio, serial story.
4.1—Broadcast from Arcadia Cafe, orchestral numbers.
4.35—Stock Exchange reports and general information.
5—G.P.O. Chimes.
Evening Session (6.30 to 10.30)
6.30—G.P.O. Chimes.
6.31—Bedtime Stories for the children.
7.30—Stock Exchange and market reports.
7.40—Boy Scouts' Corner.
8—G.P.O. Chimes.
8.3—Studio Concert, arranged by Mr. Leslie Noonan.
9—G.P.O. Chimes.
9.1—Weather reports.
9.3—Studio Concert—continued.
10—G.P.O. Chimes.
10.1—Studio Concert—continued.
10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.
- THURSDAY, FEBRUARY 4th
- Morning Session (11.30 a.m. to 2 p.m.)
11.30—G.P.O. Chimes.
11.31—Stock Duo Art and Aerial Vocalist recitals.
12—G.P.O. Chimes.
12.1—News and Cable Service.
12.30—The 3CL Studio Orchestra will play: Selection, Madame Pompadour (Leu Fall); Cello Solo, Berceuse (Squire); Novalette, The Wood Nymph (Hind); Trio, Minnette (Beethoven); Selection, Semosa et Delilah (Saint Saens); Fox Trot, You left me in the Rain (Violinsky); Revere, Scented Violets (Hayward); Gavotte from Mignon (Thomas); Finale, Gabriela (Joyce).
1.55—S. C. Ward & Co's. Stock Exchange Intelligence and official weather synopsis.
2—G.P.O. Chimes.
Afternoon Session (5 to 5 p.m.)
3—G.P.O. Chimes.

- 3.1—Relay from Maple Leaf Cafe, orchestral numbers.
3.15—Broadcast from Studio, serial story.
4—G.P.O. Chimes.
4.1—Broadcast from Arcadia Cafe, orchestral numbers.
4.35—Stock Exchange reports and general information.
5—G.P.O. Chimes.
Evening Session (6.30 to 10.30)
6.30—G.P.O. Chimes.
6.31—Bedtime stories for the Children.
7.30—Stock Exchange and market reports.
7.40—Ovality Relaying, by Mr. A. M. Whiteb-lury.
8—G.P.O. Chimes.
8.2—Studio Orchestra, in a series of popular numbers interspersed with vocal numbers.
8.30—A Health Talk.
8.50—Studio Concert—continued.
9—G.P.O. Chimes.
9.1—Weather reports.
9.3—Studio Concert—continued.
10—G.P.O. Chimes.
10.1—Studio Orchestra—continued.
10.30—Station announcements. To-morrow's programme. National Anthem. Good Night.

3AR

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FRIDAY, JANUARY 29.

- Morning Session.
12—Time signal.
12.1—First weather forecast.
12.3—Events of the day.
12.5—The "Age" news bulletin.
12.15—Musical selections.
12.30—Stock Exchange news.
12.35—Market reports.
12.40—Musical selections.
12.50—Mail notices; shipping news; musical selections.
1—The Georgian Cafe Orchestra.
2—Close down.
Afternoon Session.
3.30—Musical selections.
3.45—The "Graphic" news.
4—Time signal.
4.1—Second weather forecast; the Georgian Cafe Orchestra.
4.30—Mr. R. Stanley Inlines, of Drumming, Pay Lind, gardening talk to the children, "Interesting Botany."
4.45—Musical selections.
5—Close down.
Evening Session.
6.15—The Georgian Cafe Orchestra.
7—The Children's Corner by Uncle Rad. Bedtime Story; Harry; talking hubbies; children's jig saw painting competition.
8—Time signal.
8.1—Mr. Fred Mitty, special racing commissioner to 3AR, will give his weekly "Racing Anticipations."
8.15—Mr. R. Stanley Inlines, weekly gardening talk. "Artificial Manures and their uses," 3rd series.
8.25—Miss Hazel Ralph, soprano.
8.32—Miss Marie Bevan, solo pianist.
8.39—Miss Veta Furlong, soprano.
8.46—Miss Fanny Lyndhurst, contralto.
8.53—Mr. Roy Ramage, tenor soloist.
9—Mrs. W. H. Little, mezzo-soprano.
9.7—Mr. Walter Holder, baritone.
9.15—Miss Nellie Walls, soprano.
9.21—Miss Marie Bevan, solo pianist.
9.28—Miss Irene Tullis, contralto.
9.35—Miss Veta Furlong, soprano.
9.42—Mr. Roy Ramage, tenor soloist.
9.49—Mr. W. H. Little, baritone.
9.56—Miss Fanny Lyndhurst, contralto.
10—Time signal.
10.1—The "Age" news bulletin, exclusive to 3AR.
10.15—The Georgian Orchestra.

11—National Anthem and close down.

SATURDAY, JANUARY 30th

- Morning Session.
12 noon—Time Signal.
12.1—Lat Weather Forecast.
12.3—Events of the Day.
12.5—The Age News Bulletin.
12.15—Musical Selections.
12.30—Market Reports. Foreign Exchanges of the world, supplied exclusively to 3AR by Messrs. Thos. Cook & Sons.
1—Close Down.
Afternoon Session.
Epsom Races.
2.30—Result of Two Year Old, 5 furlongs.
3—Result of Epsom Plate, 6 furlongs.
3.30—Description while racing of the Bruab Steeple, 2 miles 18 chains.
3.45—Musical Selections from Hoyt's De Luxe Theatre.
4—Description while racing of Epsom Handicap, 1 1/2 miles.
4.15—Musical Selections by Hoyt's Premier Orchestra.
4.30—Result of Epsom Purse, 1 mile.
4.45—Musical Selections by Hoyt's Premier Orchestra.
4.55—The Evening's Amusement Guide.
5—Result of Encourage Mile, 1/2 mile.
5.45—Close down.
Evening Session.
6.45 to 7.30—Children's Corner; 1, Bedtime Story; 2, Talk on Hobbies; 3, Children's Jig Saw Painting Competition.
8—Time Signal.
8.1—Musical Selections from the Children's.
8.15—Dance Night. The Rhythmic Dance Orchestra, relayed from the Maison De Luxe, Broadway, St. Kilda, under the direction of Mr. George Lewis.
9.30—Week-end Travellers' Information. Railway information, supplied by the Victorian Railways' Department. Tramway information, supplied by the Tramways' Board. Road Information, supplied by the Royal Automobile Club.
9.50—The Maison De Luxe Rhythmic Orchestra.
11—National Anthem and Close Down.
- SUNDAY, JANUARY 31st.
- Morning Session.
10.30—Bells from St. James' Old Cathedral.
11—Service from St. James' Old Cathedral. Recessional: "My Father is Another Night." Opening Prayers. Votive. Psalm 146. 1st Lesson: Genesis 1.2 to verse 4. Te Deum (Jackson). 2nd Lesson: Rev. 21. 1-14. Benedictus. Creed. Prayers. Hymn: "This is the Day of Light." Prayers. The Rev. A. E. F. Schol. Hymn: "Praise My Soul, the King of Heaven." Closing Prayer and Blessing. Recessional: "Oh Lord how Joyful 'tis to See."
Afternoon Session.
3—Time Signal.
3—Concert from the Studio.
4—Close down.
Evening Session.
6.30—The Bells from St. James' Old Cathedral.
7—Service from St. James' Old Cathedral: Recessional: "We are Soldiers of Christ." Opening Prayers. Psalm 139. 150. 1st Lesson: Genesis 2. 4 to end. Cantate. 2nd Lesson: Rev. 21. 15-22. 5. Deus Creed. Prayers. Anthem: "What of the Night?" Soloist: Mr. Hector Perkins. Prayers. Hymn: "Come let us Join." Sermon: The Rev. F. W. Robinson, T.L.H. Organ solo: "Offertories in D. Mr. H. H. Alder. Closing Prayer and Blessing. Recessional: "Fight the Good Fight."
8.30—Selections from the Studio.
8.55—The Eclipse Grand Orchestra, relayed from the Eclipse Theatre, Fort Melbourne, under the direction of Mr. George Henry.
9.50—The Age News Bulletin, exclusive to 3AR.
10—National Anthem and Close Down.

BURGESS—"THEY'RE ON THE 'LEVIATHAN'" —BATTERIES

MONDAY, FEBRUARY 1

- Morning Session.
- 12 About-Time Signal.
- 12.1—First Weather Forecast.
- 12.3—Events of the Day.
- 12.5—The Age News Bulletin.
- 12.15—Musical Selections.
- 12.30—Stock Exchange News.
- 12.35—Market Reports.
- 12.40—Musical Selections.
- 12.50—Mail Report. Shipping Movements.
- Musical Selections from Hoyt's De Luxe Theatre.
- 2—Close Down.
- Afternoon Session.
- 3.30—Willamettes Races.
- 2—Description while racing of Luveton Hurdle, 2 miles.
- 2.35—Result of Inverde Handicap, 5 1/2 furlongs.
- 7.15—Journal of Foundation Day Club, 11 furlongs.
- 3.30—During this session musical selections from Hoyt's De Luxe.
- 3.45—Graphic News.
- 3.55—Description while racing of Scorpion, 2 miles.
- 4—Time Signal.
- 4.1—Second Weather Forecast.
- 4.2—Musical selections from Hoyt's De Luxe, Bourke St.
- 4.30—Result of A.N.A. Handicap, 6 furlongs.
- 7.35—The Evening Amusement Guide.
- 5.10—Result of Newport Welter, 1 mile.
- 5.15—Close down.
- Early Evening Session.
- 6.45 to 7.30—Children's Corner by Lucie Rad: 1. Bedtime Story; 2. Talk on Hobbies; 3. Children's Jig Saw Painting Competition.
- Evening Session.
- 8—Time Signal.
- 8.1—Mr. A. L. Brown, Talk: "The Silk in History" (Gad scene).
- 8.20—Mr. R. C. Cole (baritone).
- 8.27—Miss Elsie Code (soprano).
- 8.34—Mr. J. Lloyd-Jones (entertainer).
- 8.45—Instrumental Items.
- 8.52—Mr. Lucie Harrison (sax-soprano).
- 8.59—Miss Lou Leithlean (saxo-soprano).
- 9.06—Miss Marie Bevan (solo pianiste).
- 9.13—Miss Elsie Code (soprano).
- 9.20—Mr. Lucie Harrison (saxo-clarinet).
- 9.27—Instrumental Items.
- 9.34—Mr. J. Lloyd-Jones (entertainer).
- 9.45—Miss Lou Leithlean (saxo-soprano).
- 9.52—Miss Marie Bevan (solo pianiste).
- 10—Time Signal.
- 10.1—The Age News Bulletin, exclusive to 3.44.
- 10.15—Musical Selections by Hoyt's Premier Orchestra until closing down. National Anthem.

TUESDAY, FEBRUARY 2

- Morning Session.
- 12 Noon—Time Signal.
- 12.1—First Weather Forecast.
- 12.3—Events of the Day.
- 12.5—The Age News Bulletin.
- 12.15—Musical Selections.
- 12.30—Stock Exchange News.
- 12.35—Market Reports.
- 12.40—Musical Selections.
- 12.50—Mail Notices. Shipping News.
- 1.1—Musical Selections from Hoyt's De Luxe, Bourke St.
- 2—Close down.
- Afternoon Session.
- 3.30—Musical Selections by Hoyt's Premier Orchestra.
- 3.35—Graphic News.
- 4—Time Signal.
- 4.1—2nd Weather Forecast. Hoyt's Premier Orchestra.
- 4.35—Evening Amusement Guide.
- 5—Close down.
- Early Evening Session.
- 6.45 to 7.30—Children's Corner by Lucie Rad: 1. Bedtime Story; 2. Talk on Hobbies; 3. Children's Jig Saw Painting Competition.
- Evening Session.
- 7—Time Signal.
- 8.1—Miss Gwen Mattingley (solo pianiste), "Phone and Variations" (Mozart).

- 8.15—Mrs. Crankbank (saxo-soprano).
- 8.22—Mr. Julian James (baritone).
- 8.29—Miss Hazel White (soprano).
- 8.36—Mr. James Simpson (cornetist).
- 8.43—Miss Dorothea Barbara (soprano).
- 8.50—Miss Inel Harris (saxo-soprano).
- 8.57—Miss Margaret Groom (pianiste), "Polka-thous Waltz" (Chopin); polonaise Militaire (Chopin).
- 9.14—Mr. Norman Wood (entertainer).
- 9.21—Miss Hazel White (soprano).
- 9.18—Miss Margaret Groom (contralto).
- 9.25—Mr. Julian James (baritone).
- 9.32—Mr. James Simpson (cornetist).
- 9.39—Miss Dorothea Barbara (soprano).
- 9.46—Miss Inel Harris (soprano).
- 9.53—Miss Gwen Mattingley (solo pianiste), Beethoven Sonata Op. 2, No. 1.
- 10—Time Signal.
- 10.1—The Age News Bulletin.
- 10.15—Musical Selections by Hoyt's Premier Orchestra, relayed from Hoyt's De Luxe, Bourke St., until closing down. National Anthem.

WEDNESDAY, FEBRUARY 3

- Morning Session.
- 12 Noon—Time Signal.
- 12.1—1st Weather Forecast.
- 12.3—Events of the Day.
- 12.5—The Age News Bulletin.
- 10.15—Musical Selections.
- 12.30—Stock Exchange News.
- 12.35—Market Reports.
- 12.40—Musical Selections.
- 12.50—Mail Notices. Shipping Movements.
- 1—Musical Selections from Hoyt's De Luxe.
- 2—Close down.
- Afternoon Session.
- 3.30—Musical Selections by Hoyt's Premier Orchestra relayed from the Hoyt's De Luxe, Bourke St.
- 3.35—Graphic News.
- 4—Time Signal.
- 4.1—2nd Weather Forecast. Musical Selections by Hoyt's Orchestra.
- 4.15—The Girl Guides' Bulletin.
- 5—Close down.
- Early Evening Session.
- 6.45 to 7.30—Children's Corner: 1. Bedtime Story; 2. Talk on Hobbies; 3. Children's Jig Saw Painting Competition.
- 8.1—Miss Jess Quarester: selections of popular Dance Music.
- 8.15—Mr. W. Davies (bass).
- 8.22—Miss E. Downey (contralto).
- 8.29—Mr. Phil Cohen (violinist).
- 8.36—Mr. C. Menzies (baritone).
- 8.43—Miss Kay Allen (soprano).
- 8.50—Mr. S. Powell (baritone).
- 8.57—Mr. Norman Heymann (oboclainist).
- 9.4—Mr. Gerald All (tenor).
- 9.11—Miss Hilda Sherwood (contralto).
- 9.18—Mr. W. Davies (bass).
- 9.25—Mr. Phil Cohen (violinist).
- 9.32—Miss Evelyn Downey (soprano).
- 9.39—Mr. B. Heymann (oboclainist).
- 9.46—Mr. Gerald Wall (tenor).
- 9.53—Miss N. Downey (contralto).
- 10—Time Signal.
- 10.1—The Age News Bulletin, Exclusive to 3.44.
- 10.15—The Premier Orchestra, relayed from Hoyt's De Luxe, until closing down. National Anthem.

THURSDAY, FEBRUARY 4

- Meeting Session.
- 12 Noon—Time Signal.
- 12.1—1st Weather Forecast.
- 12.3—Mr. Norman Wood (entertainer).
- 12.5—Events of the Day.
- 12.15—The Age News Bulletin.
- 12.3—Musical Selections.
- 12.30—Stock Exchange News.
- 12.35—Market Reports.
- 12.40—Musical Selections.
- 12.50—Mail Notices. Shipping Movements.
- 1—Selections on the Organ relayed from Hoyt's De Luxe.
- 2—Close Down.
- Afternoon Session.
- 3.30—Musical Selections.
- 3.35—The Graphic News.
- 4—Time Signal. Hoyt's Premier Orchestra

- from Hoyt's De Luxe.
- 4.30—Miss Roubaud of Paris will give his weekly Fashion Talk.
- 4.40—Special Pag and Call Report, supplied by Messrs. McPhail, Anderson & Co.
- 4.45—Musical Selections.
- 4.55—The Evening Amusement Guide.
- 5—Close Down.

- Early Evening Session.
- 6.45 to 7.30—Children's Corner: 1. Bedtime Story; 2. Talk on Hobbies; 3. Children's Jig Saw Painting Competition.
- 8—Time Signal.
- 8.1—Lecturer: "The Care and Feeding of Infants."
- 9.2—Mr. Gerald Wall (tenor).
- 8.30—Weekly Radio Chat: Under the auspices of the Popular Radio Weekly: "Rudek" (Mr. J. Lou Reid) will talk on "Sugar Uses of Fixed Condensers."
- 9—Dance Night: The Rhythmic Dance Orchestra, relayed from the Maison De Luxe, Broadway, St. Kilda, under the direction of Mr. George Lewis.
- 9.30—Musical Selections from the Studio.
- 9.58—The Rhythmic Dance Orchestra from the Maison De Luxe.
- 10—Time Signal.
- 10.1—The Age News Bulletin, exclusive to 3.44.
- 10.15—The Maison De Luxe Rhythmic Orchestra.
- 11—National Anthem and Close down.

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FRIDAY, JANUARY 28

- Midday Session, 12 to 2 p.m.
- 12—Time signal.
- 12.1—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; weather forecast; river reports; shipping intelligence; Stock Exchange information; market reports.
- 1.1—The Studio Orchestra, musical director Miss B. Gannon; overture, "Rozamunde" (Schubert).
- 1.10—Fox. Title, "After the Storm" (Lange).
- 1.15—Mr. Walter Smith, cornet solo, "At Dawn" (Code).
- 1.20—Orchestra, selection, "The Balkan Princess" (Bubens).
- 1.30—Instrumental trio, "Petite Suite" (Saint George).
- 1.40—Orchestra, selection, "The Flying Dutchman" (Wagner).
- 2—Close down.
- Afternoon Session, 3 to 5 p.m.
- 3—Time signal.
- 3.1—The Studio Orchestra, musical director Miss B. Gannon; selection, "La Traviata" (Verdi).
- 3.21—Instrumental trio, "After Sunset" (Pryor).
- 3.27—Orchestra, fox trott, "Sahara" (Lange).
- 3.33—Mr. Bobby Pearce, baritone, "O Sole Mio" (de Capua), "Come to the Fair" (Mastin).
- 3.40—An Enfant, of Buckley and Nunn Ltd., in a fashion talk.
- 3.45—Mr. Bobby Pearce, baritone, "Adieu Marie" (Adams), "Marguerite" (Lohr).
- 3.52—Orchestra, suite "Colweb Castle" (Lohmann).
- 4—Miss Agnes Fortune, pianoforte solo, "Souhaits Pathologique," lib movement (Beethoven).
- 4.11—Orchestra, selection, "Our Miss Gibbs" (Mouckton).
- 4.25—Waltz, "Love Me" (Haydn).
- 4.27—Miss D. H. Hinchburgh, viola solo, "Andante Cantabile" (Haydn).

- 4.35—Orchestra, suite Three Dances, Nell Owen (German).
- 4.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables.
- 5—Time signal. Close down.
- Evening Session, 6 to 7.15 p.m.
- 6—Children's Hour, "Billy Bunny" stories; "Donkeys," "Magical Trip," "Houses of the Eagle."
- 9.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; market reports; closing Stock Exchange information; weather synopsis; shipping movements. Market reports by the "Victorian Producers' Co-operative Co. Ltd.": Dairy, cattle, sheep, carcass meat, grain, chaff, hay, straw, jute, dairy produce, potatoes and onions.
- Night Session, 7.20 to 11 p.m.
- Speakers: Mr. T. M. Burke, Mr. Bruce Green, Mr. Leslie Brunning, The Collingwood Citizens' Band, the Monna Luu Duo, Sonora Recital; Mr. Frank R. Thomas, baritone; Miss Lily Blight, soprano; Mrs. Ernest Hilton.
- 7.20—Under the auspices of the Development Australia League, Mr. T. M. Burke, "A Fraternal Basis for Empire Unity."
- 7.40—Mr. Bruce Green, who plays "Widow Twankey" in the pantomime "Aladdin," will speak from his dressing-room at His Majesty's Theatre, by permission of J. G. Williamson Ltd.
- 8—The Collingwood Citizens' Band, march, "Booted in the Cradle of the Deep"; barrelle, "Tales of Hoffman"; march, "Mixology."
- 8.15—Miss Lily Blight, soprano, "A Little Queen" (Hoy), "Golden Dancing Days" (Clark).
- 8.22—The Collingwood Citizens' Band, waltz, "Dreams on the Ocean."
- 8.34—Mr. Frank R. Thomas, baritone, "Prologue," "I Pagliaccio" (Leoncavallo), "Pleading" (Egar).
- 8.44—Monna Luu Duo, "Kaluna Waltz," "Moana Luu Hala" solo, "Old Melodies," Mr. Sparrow, "Hilo March."
- 8.50—Sonora Recital, two new records, "Little Brown Cottage," Milton Stanley, tenor; "When I'm Home Again," Sydney Coltham.
- 9.3—Mr. Leslie Brunning, gardening notes, "Sweet Peas."
- 9.18—The Collingwood Citizens' Band, one step, "The Toy Drum Major"; waltz, solo, "Asleep in the Deep," G. Sumner.
- 9.31—Mrs. Ernest Hilton, "Somebody's Coming to Tea," "Bird in Nellie's Hat."
- 9.41—The Collingwood Citizens' Band, cornet solo, "Thora," J. Amour.
- 9.45—Miss Lily Blight, "Gray Days" (Johnson), "I Love You Truly" (Bond).
- 9.55—"Argus" and "Herald" news services.
- 10—Monna Luu Duo, "Hawaiian Dreams," "Lambert's Popular Airs," "Dance with Me."
- 10.15—Mr. Frank R. Thomas, "Omaha Mai Fu" (Hundel), "Torch of the Passionate Day" (Lohr).
- 10.22—The Collingwood Citizens' Band, four, "Lambert's Watch," A. Franks and T. Murphy.
- 10.24—Mrs. Ernest Hilton, "Whistle It," "Man versus Woman."
- 10.30—The Collingwood Citizens' Band, grand fantasia, "A Sailor's Life."
- 11—"God Save the King."

WEDNESDAY, JANUARY, 30.

MIDDAY Session, 12 to 2 p.m.

- 12—Time signal; "Herald" and "Ar-

- gus" news services; Reuter's and the Australian Press Association cables; weather forecast; river reports; shipping intelligence; Stock Exchange information; market reports.
- 1—Time signal.
- 1.1—The Studio Orchestra, musical director, Miss Bessie Gausson. Overture, "Iphigenia and Aulis" (Gluck).
- 1.12—Selection, "Eileen" (Herbert).
- 1.23—Miss Agnes Fortune, pianoforte solo, "Gulliwogs Cakewalk" (Debussey).
- 1.27—Orchestra, fox trot, "Rose of Algiers" (Strauss and Burgy).
- 1.32—Selection, "To night's the Night" (Ribaus).
- 1.42—Mr. Walter South, cornet solo, "Castles in the Air" (Smith).
- 1.47—Orchestra, "Spring Zephyrs" (Vossella).
- 1.55—Trio instrumental, "Told at Twilight" (Bluetter).
- 2—Close down.
- 2.30—Result of the Two Year-Old from the Epsom Turf Club Meeting.
- Afternoon Session, 3 to 5 p.m.
- 3—Time signal; result of the Epsom Flat from the Epsom Turf Club Meeting.
- 5.3—The Studio Orchestra; musical director, Miss Bessie Gausson. Selection, "Pagliaccio" (Leoncavallo).
- 5.22—Miss D. Roxburgh, viola solo, "Cavatina" (Gallet).
- 5.28—Orchestra, "The Old Clock" (Zamenik).
- 5.33—Result of the Brush Steeple from the Epsom Turf Club Meeting.
- 5.36—Orchestra fox trot, "I'm longin' for you" (Zamenik).
- 5.44—Miss Bessie Gausson, violin solo, "Liedeslied" (Kreiser).
- 5.50—Orchestra, suite, "Runeville" (Lake).
- 4—Result of the Epsom Handicap from the Epsom Turf Club Meeting.
- 4.10—Orchestra selection, "From the Highlands" (Langley).
- 4.24—Miss T. Turman, cello solo, "Minnet" (Haydn).
- 4.30—Result of the Epsom Purse from the Epsom Turf Club Meeting.
- 4.43—Orchestra selection "Pink Lady" (Carey).
- 4.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables.
- 5—Result of the Encourage Mile from the Epsom Turf Club Meeting; one step, "Close down."
- Evening Session, 6 to 7.15 p.m.
- 6—Children's Hour, Stories by Mary Gummel; For the little ones, poem, "Running Away," "The Early Bird"; girls, "Florence's Nightingale" boys, "Jake's Adventure."
- 6.25—Sporting results: "Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; market reports; closing Stock Exchange information; shipping movements; weather synopsis; Market reports by the "Victorian Producers' Co-operative Co. Ltd.": Grain, chaff, hay, straw, jute, dairy produce, potatoes and onions.
- Night Session, 7.20 to 11.25 p.m.
- "Old Time Night" Speakers: Mr. Frederick Chapman, A.L.S., Dr. J. A. Leach, D.Sc., The Studio Orchestra; musical director, Miss Bessie Gausson; Miss Jean Kelly, soprano; Mr. J. Donovan, baritone; Mr. J. Delaney, tenor; Mr. Allan Bell, comedian; Mr. Alfred Andrew, baritone and M. A. 7.20—Mr. Frederick Chapman, A.L.S., "A Living Fossil—the Pearl Trigonian."
- 7.40—Dr. J. A. Leach, D.Sc., "Birds

of Australia—Turravongas and Magpies."

8—Our fifth old time light opera, as it should be with a waltz, "Roosting on the Danube" (Burns), which is so exhilarating that Miss Jean Kelly is moved to sing—

2.10—"When the heart is young" (Buck), which so "Bucks" up Mr. Allan Bell that he makes a "special note."

8.14—"Put me among the girls." As he is not alone in this, the natural consequence is—

9.19—"Edinburgh Quadrilles" (D'Albert) which puts Mr. J. Donovan in such fine spirits that he declares—

2.32—"I fear no foe." The company, having such a doubtful champion, decide it is quite safe for the Studio Orchestra to accompany them to a—

8.30—Schottische, "Zuleika" (Brandt) Mr. Joe Delaney, in sentimentality mood, whives all and sundry to—

9.44—"Come where my love lies dreaming" (Foster). Having complied with his request, we indulge in a—

8.18—Waltz, "Princess" (Mansford). This, however, has a peculiar effect on Miss Jean Kelly and Mr. Alfred Andrew, and they desire to know—

8.56—"What are the wild waves saying?" (Glover), to which Mr. Allan Bell replies, in humorous mood—

9—"Of the Missus wants to drown, let her drown" (Ray). Having raised the drowning spirits in this valiant way, the Studio Orchestra suggests—

9.4—A pulka, "Wot Cher" (Crook). The composer, having put a slight damper on things in this way, Mr. J. Donovan takes us to—

9.12—"The shrub of the palm" (Stuart), and, of course, inexpressible as ever, goes—

"Walking home with Angelina" (Rundback), which leaves the rest of us no alternative but to call upon the Studio Orchestra for—

9.10—"Royal Albert Quadrilles." Mr. Joe Delaney is still sentimental, and tells us of—

9.34—"Madeline" (Nilson). Mr. Allan Bell objects to this, and informs this world that the previous singer is a—

9.15—"Simple Pimple" (Rogers). When the light is over and all friends again, we join in a—

9.12—Mazurek, "Sweet Violins" (Reiter), which awakens such longings in the lonely heart of Miss Jean Kelly that she declares for—

9.50—"Somebody's Sweetheart I want to be" (Cobb). As everybody present appears to be married or otherwise engaged, she decides to dance off the lonely feeling in the—

9.51—Lancers, "Army Lancers" (Bruno).

10—As this seems a fitting moment for sipping out, and some of our listeners seem very anxious to learn the winner of the last race, the "Argus" news and all sporting results of the day will be given.

10.26—The rest seems to have raised the spirits of Mr. J. Donovan for, he insists on telling us about "Daisy Bell" (Dere). The Studio Orchestra, in a frivolous mood, replies to this with a—

10.24—Barn Dance, "Pop Corn" (Lobb). Mr. J. Delaney cannot get rid of this sentimental mood, and begs us to—

10.32—"Come back to Erin" (Caribell). Miss Jean Kelly refuses, and very de-licately—

10.36—"I wouldn't leave my little wooden hut for you" (Milton). The Studio Orchestra thinks this is a

MONDAY, FEBRUARY 1.

Midday Session, 12 to 2 p.m.

- great joke, and makes us do a—
 10.40—"Coom Song Cakewalk" (Dar-
 10.41) which evidently awakes mem-
 ories in the mind of Mr. Alfred An-
 drew, who sings pathetically—
 10.46—"When sweet Marie was sweet
 sixteen," Mr. Allan Bell, who is in-
 tending to be sarcastic, jeeringly
 sings—
 10.50—"I've got something to be
 thankful for" (Leighton).
 In order to prevent a massacre, the
 Studio Orchestra strikes up a—
 10.58—Waltz, "Rosa of my heart"
 (Ferber) which is so appealing to
 Mr. J. Delaney that he waxes more
 sentimental than ever in—
 11.1—"Sweet Marie" (Moore). (Note:
 It must be understood that this does
 not refer to Mr. Andrew's "Sweet
 Marie"—we wouldn't stand for that.)
 Mr. Allan Bell thinks things are get-
 ting too sloppy, and tries to change
 the subject, remarking—
 1.0—"I see you've got your old brown
 hat on."
 11.3—"The Studio Orchestra thinks it is
 time to introduce a aria, so we are
 put off into quadrilles, "King Pan-
 tomime" (Kaps). This puts all in
 such good humor that we join in—
 11.21—"Auld Lang Syne," which fin-
 ishes up our programme. Now, all
 join in—
 11.25—"God Save the King."

SUNDAY, JANUARY 31.

- Night Session, 7 to 10 p.m.
 Service from Wesley Church, conducted
 by Rev. S. J. Hoban and Rev. J. H.
 Cain.
 7—Prayer by choir; concerted prayer
 by congregation; hymn, "Bark, bark,
 my soul"; brief prayer, Rev. J. H.
 Cain; hymn, "I need Thee every
 hour"; Scripture lesson, Rev. J. H.
 Cain; anthem; general prayer, Rev.
 S. J. Hoban; intimations and offer-
 ings; choir; sentences by the choir;
 anthem; hymn, "Pleasant are Thy
 courts above"; sermon, Rev. S. J.
 Hoban; hymn, "Man of Sorrows";
 Benediction. From the Studio: Miss
 Beryl Pratt, soprano; Mr. Stanley
 Adams, violinist; Mr. Jack Dunne,
 baritone; Mr. Harold Rodgers, pianist
 and accompanist.
 9.30—Mr. Harold Rodgers, pianoforte
 solo, "Moonlight Sonata," 1st Move-
 ment (Beechoven).
 9.40—Miss Beryl Pratt, soprano, by
 permission of J. C. Williamson Ltd.,
 "What love may be" (Zarlio), "Dream
 Entrancing" (Schubert).
 9.47—Mr. Stanley Adams, violinist, by
 permission of J. C. Williamson Ltd.,
 accompanied by Miss M. Denmsky,
 "Sonata for Violin and Piano in A
 Minor" (Paderewski), 1. Allegro
 con fantasia; 2. Intermezzo Andan-
 tino; 3. Finale.
 9.57—Mr. Jack Dunne, baritone, by
 permission of J. C. Williamson Ltd.,
 accompanied by Miss M. Denmsky,
 "Less than the Dust," "Sloe Eyes"
 ("Ginglee").
 9.14—Mr. Harold Rodgers, pianoforte
 solo, "Sea Songs" (MacDowell).
 9.24—Miss Beryl Pratt, soprano, "God
 Touch'd the Rose" (Brown), "The
 Love Song" (Rogers).
 9.31—Mr. Stanley Adams, violin solo,
 1. "Waltz in A Major" (Brahms-
 Heelstein); 2. "Serenade" (Schu-
 bert-Elman); 3. "Mignon" (Paderew-
 ski-Kreisler).
 9.41—Mr. Jack Dunne, baritone "Kash-
 mir Love Song," "In Your Eyes."
 9.48—"Argus" and "Herald" news.
 9.52—Mr. Harold Rodgers, pianoforte
 solo, "A Soliloquy" (Ireland), "A
 Night in May" (Palmgren).
 10—"God Save the King."

- Midday Session, 12 to 2 p.m.
 12—Time signal; "Herald" and "Ar-
 gus" news services; Reuter's and the
 Australian Press Association cables;
 weather forecast; river reports; ship-
 ping intelligence; Stock Exchange in-
 formation; market reports.
 1—Speeches from the A.N.A. luncheon
 at the Exhibition. Toasts: "The
 King," Mr. J. A. Morrison, Chairman
 of Metropolitan Committee A.N.A.;
 "The Governor-General," ditto.
 "The Governor," ditto; response, his
 Excellency the Governor, "Australia
 and the Day we Celebrate," Sir Lit-
 tleton Groom, Speaker Federal Parlia-
 ment; response, Mr. J. Patterson,
 Chief President A.N.A.; "Federal and
 State Parliaments," Mr. R. G. Rip-
 chie, Vice-Chairman Metropolitan
 Committee A.N.A.; responses, Dr.
 Earl Page, Federal Treasurer; Mr.
 Matthew Charlton, Leader Federal Op-
 position; Hon. John Allen, Premier;
 Hon. G. M. Prendergast, Leader State
 Opposition; "Fests," Mr. J. Din-
 cello, Vice-Chairman Metropolitan Com-
 mittee A.N.A.; responses, press rep-
 resentatives.
 Afternoon Session, 3 to 5 p.m.
 3—Time signal; results of Laverton
 Lined and Jewell Handicap from
 Williamstown R.C. Meeting.
 3.3—Studio Orchestra; musical director,
 Miss Bessie Gannson. Selection,
 "Robin Hood" (Wiegand).
 3.12—Mr. Walter Smith, cornet, "Two
 Little Rainbows" (King).
 3.18—Result of Foundation Day Cup at
 Williamstown R.C. Meeting.
 3.20—Orchestra, "Spanish Dance"
 (Rehfeld).
 3.27—Orchestra, fox trot, "Blue Jeans"
 (Traveller).
 3.32—Miss Rene Pollard, soprano,
 "Songs my Mother taught me," "If
 love were all."
 3.40—Miss Flora Pell, "Domestic Econ-
 omies."
 3.57—Result of Steeplechase from Wil-
 liamstown R.C. Meeting.
 4—Miss Rene Pollard, soprano, "A
 Summer Night," "A Spray of Rose-
 mary."
 4.7—Orchestra, selection, "Madame But-
 terfly" (Puccini).
 4.27—Miss Tasma Tierman, 'cello, "Tri-
 umph" (Squire).
 4.33—Result of A.N.A. Handicap from
 Williamstown R.C. Meeting.
 4.35—Orchestra, suite, "In Holland"
 (Kreisler).
 4.43—"Argus" and "Herald" news
 services; Reuter's and the Australian
 Press Association cables; sporting re-
 sults.
 5—Time signal. Close down.
 Evening Session, 8 to 7.15 p.m.
 6—Children's Hour. Story by Billy
 Brown, "As I was going up Pigeon
 Hill," "Looking for Fairies," "The
 Magical Trip," "Houses of the
 Eagle."
 6.45—"Argus" and "Herald" news
 services; Reuter's and the Australian
 Press Association cables; market re-
 ports; weather synopsis; closing
 Stock Exchange information; ship-
 ping movements. Market reports by
 the Victorian Producers' Co-operative
 Co. Ltd.; Haymarket sales, poultry,
 grain, chaff, hay, straw, jute, dairy
 produce, potatoes and onions.
 Night Session, 7.40 to 11 p.m.
 "All Australian Night." Speakers; Mr.
 C. R. Long, M.A., Mr. J. Howlett
 Ross. The Studio Orchestra; musical
 director, Miss Bessie Gannson. Miss
 Frances Lea, soprano; Miss Jessie
 Batchelor, contralto; Mr. Robert

- Molyneux, baritone; Mr. J. Harcourt
 Bailey, entertainer.
 7.45—C. R. Long, M.A., "Australia
 in 1000 years ago and now,"
 Australian Composers.
 8—Studio Orchestra, "Australia, Land
 of Ours" (Dudley Glass), "Melody
 of Memories" (Dudley Glass).
 8.15—Miss Frances Lea, soprano, "To
 a Miner" (Brabe), "My Mother's
 Eyes" (Crossley).
 8.19—Mr. Walter Smith, cornet, "Wen-
 doo-er" (Code).
 8.25—Mr. J. Harcourt Bailey, enter-
 tainer, "The Play" (O. J. Dennis),
 "The Amateur Rider" (Paterson).
 8.35—Miss Tasma Tierman, 'cello, "The
 Haunting Melody" (Elford Mack).
 8.43—Miss Jessie Batchelor, contralto,
 "I passed by your window" (Brabe).
 "Lie there, my mate" (MacCuan).
 8.50—Miss Agnes Fortune, piano,
 "Country Garden" (Gralger).
 8.58—Mr. J. Howlett Ross, "Founda-
 tion Day."
 9.18—Studio Orchestra, "Omar" (F.
 Hall).
 9.25—Miss Frances Lea, soprano,
 "Little Hill" (Gleeson), "Biskie o'
 Mine" (Shmidt).
 9.35—Miss Bessie Gannson, violin, "Me-
 lody" (Linda Phillips), "Rustic
 Dance in G" (Linda Phillips).
 9.42—Miss Jessie Batchelor, contralto,
 "I heard you go by" (Wood), "The
 Token" (Thompson).
 9.49—"Argus" and "Herald" news
 services.
 An Hour of Australian Popular Music.
 9.55—Studio Orchestra, fox trots, "Gan-
 tags," "Woop Woop."
 10—"Mr. Robert Molyneux, baritone,
 "Cromajalone," "Take me back to
 Bendigo."
 10.10—Studio Orchestra, waltzes, "I
 want you" (O'Hagan), "Rose of
 Australia."
 10.20—Mr. J. Harcourt Bailey, enter-
 tainer, "A Burlesque Lecture on Aus-
 tralia."
 10.30—Studio Orchestra, one steps,
 "The Asopiano" (O'Drighan), "Mur-
 rumbidgee."
 10.40—Mr. Robert Molyneux, baritone,
 "Down by the Murray," "Yackan-
 dandah."
 10.47—Studio Orchestra, fox trots,
 "My Sweet Australian Wattle Girl,"
 "A.D. double S.I.E."
 11—"God Save the King."

TUESDAY, FEBRUARY 2.

- Midday Session, 12 to 2 p.m.
 12—Time signal; "Herald" and "Ar-
 gus" news; Reuter's and the Aus-
 tralian Press Association cables; weath-
 er forecast; river reports; shipping
 intelligence; Stock Exchange infor-
 mation; market reports.
 1—Time signal.
 1.1—The Studio Orchestra; musical di-
 rector, Miss Bessie Gannson. Over-
 1.5—Miss Frances Lea, soprano, "The
 Selection," "Mendelssohn's Melo-
 dies" (Robert).
 1.20—Miss Agnes Fortune, piano, "Noc-
 turne in G Minor" (Chopin).
 1.27—Orchestra, "Midnight Alarm"
 (Puerer).
 1.32—Orchestra, fox trot, "Humadad"
 (Baer).
 1.39—Orchestra, "Habaneza and Vsgu-
 ero's Song" (Herbert).
 1.47—Orchestra, waltz, "Lady Betsy"
 (Lamborne).
 1.55—Orchestra, march, "The Triumph
 of Right" (Lovell).
 2—Time signal. Close down.
 Afternoon Session, 3 to 5 p.m.
 3—Time signal.
 3.1—The Studio Orchestra; musical di-
 rector, Miss Bessie Gannson. Selection,
 "Firefly" (Frem),

- 3.10—Miss Bessie Gaunson, violin. "Allegro Brillant" (Ten Have).
 3.16—Orchestra, one step. "Piffy Ruffies" (Green).
 3.21—Instrumental trio. "Larghetto" (Beethoven).
 3.30—Mr. Jack Dunne, baritone by permission of J. C. Williamson Ltd. "Mourning o' Mourne," "Shoe Eyes" — "Gingalee."
 3.37—Mairon M. Ireland. "Infant Welfare."
 3.47—Orchestra, selection. "The Daughter of the Regiment" (Donizetti).
 3.57—Mr. Jack Dunne, baritone, by permission of J. C. Williamson Ltd. "In Your Eyes," "Dear Little Garden."
 4.4—Orchestra, fox trot. "Karsan" (Dalmage).
 4.9—Miss Tasma Tierman, solo. "Annie Laurie" (Sharpe).
 4.15—Orchestra. "Dance of the Goblins" (Lorincic).
 4.22—Orchestra, fox trot. "Na-Jo" (Holiday).
 4.30—Mr. W. Gale, President of Victorian Christian Union. "Forty-five Years of Christian Endeavour."
 4.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables.
 5—Time signal. Close down.
 The results of races from Yarra Glen Race Club Meeting as they come to hand.

- Evening Session, 6 to 7.15 p.m.
 6—Children's Hour. Stories by Mary Gumleaf: For the little ones "The Grey Owl," "The Story of the Clerk," "Aunt Priscilla"; for girls, "The Lady with the Lamp"; for boys, "Jack's Adventures."
 6.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cable news; market reports; weather synopsis; closing Stock Exchange information; shipping movements. Market reports by the Victorian Producers' Co-operative Co. Ltd.: Haymarket sheep sales, poultry, grain, chaff, hay, straw, jute, dairy produce, potatoes and onions.
 Night Session, 7.20 to 11 p.m.
 Welsh Night. Speakers: Miss Rose Currie, Dr. C. B. McKee, D.Sc., Dr. Loftus Hills. The Studio Orchestra; musical director, Miss Bessie Gaunson. Miss Iris Turner, soprano; Mrs Norton Turner, soprano; Mr. Owen Griffith, tenor; Mr. Eric Jones, bass.
 7.20—The Farmers' League. Miss Rose Currie. "The Farmers' Womenfolk."
 7.40—University Extension Lecture, Dr. C. B. McKee, D.Sc., "Psychology and the Defective Child."
 8—"The Studio" Orchestra. "Reminiscences of Wales" (Godfrey).
 8.15—Miss Iris Turner, soprano. "Gymn" (Jones). "Depuis le jour" (from "Louise" (Charpentier).
 8.22—"The Cambrian Glee Party." "Ye Hat" ("The Summer" (Gwyn). "Co-Ad yd Helydd" ("Nos Galan").
 8.35—Mr. Owen Griffith, tenor. "Y fam a Baban," "Y Golomem Wen" (Hughes).
 8.42—"The Cambrian Glee Party." "Aberystwyth," "Huddersfield," "Llanfair," "Cwm Rhonda."
 8.50—Mr. Walter Smith, comes solo. "The Blackbird" (Richards).
 8.59—Mrs. Norton Turner, soprano. "Bugellor Gwynith Gwyn," "Yn Nvfryn chyd."
 9.4—"Dr. Loftus Hills. "Wines—Part I."
 9.19—"The Cambrian Glee Party." "Dyddiau dyn sydd fel Gwaelltra," "The Sleighting Glee" (Garry).
 9.27—Mr. Eric Jones, bass: "The

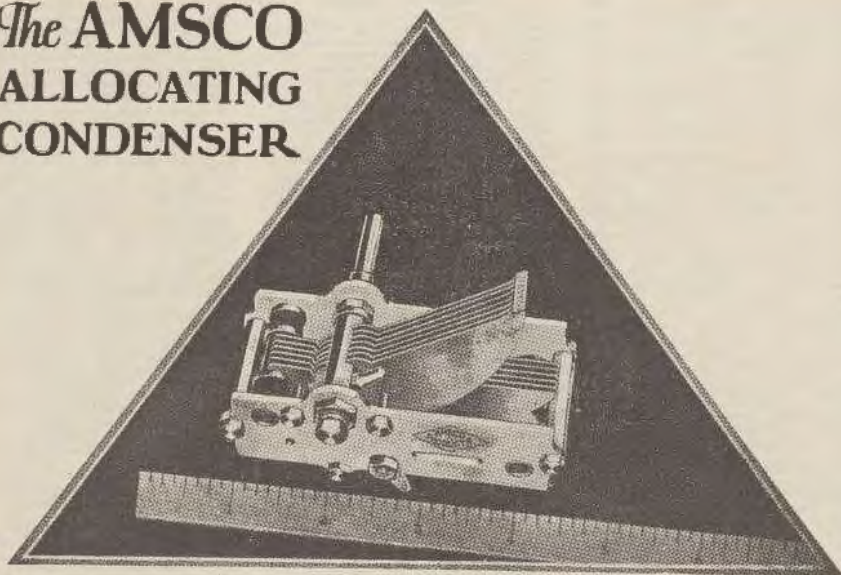
- Great Awakening" (Kramer; "Nichave" (Mina-Zucca).
 9.34—Miss Bessie Gaunson, violin solo.
 9.40—Miss Iris Turner, soprano. "O'r hen Gymraeg" (Jones); "When I'm Home Again" (Charpentier).
 9.47—"The Studio Orchestra." "Llyw on" (Godfrey).
 10.1—Mr. Owen Griffith, tenor. "Carrier" (Evans); "Galwad y Twysog" (Hughes).
 10.8—"Argus" news service.
 10.11—Miss Agnes Fortune, pianoforte solo.
 10.19—"The Cambrian Glee Party." "Bryn Callaria," "Sychur Dagrau," "Ehonorau."
 10.20—Mrs Norton Turner, Soprano. "March y Melnydd"; "Dear Old Wales."
 10.33—Miss Tasma Tierman, cello solo.
 10.39—Mr. Eric Jones, bass. "O Mistress Mine" (Sullivan); "The Muteleer of Malaga" (Trotter).
 10.46—"The Studio Orchestra."
 10.56—Welsh National Anthem.
 11—Close down.

WEDNESDAY, FEBRUARY 3.

- Midday Session, 12 noon to 2 p.m.
 12 noon—Time Signal; "Argus" and "Herald" news services; Reuters and the Australian Press Association Cables; Weather forecast; River reports; Shipping intelligence; Stock Exchange information; Market reports.
 1—Time Signal.
 1.1—"The Studio Orchestra: Musical Director, Miss Bessie Gaunson; Symphony, "Junior" (Mozart).
 1.2—"Neapolitan Nights" (Zamecnik).
 1.32—Cornet solo, Mr. Walter Smith: "Tyrolean Fantasia" (Holmes).
 1.39—Orchestra: Selection, "Martha" (Flotow).
 1.49—Walls: "Visions of the Dance" (Wallace).
 1.56—"Dreamland Shadows" (Hubel).
 2—Time Signal; Close down.
 Afternoon Session, 3 to 5.45.
 3—Time Signal.
 3.1—"The Studio Orchestra: Musical Director, Miss B. Gaunson; Overture, "High Jinks" (Prinl).
 3.10—Fox trot, "My Tango Girl" (Rupp).
 3.16—Selection, "The Arcadians" (Monckton).
 3.25—Sister Furell will speak on "Mothercraft."
 3.28—Miss Rene Pollard, soprano, "Il Bacio"; "Rose in the Bud."
 3.45—Orchestra; Suite, "The Grasseshall" (Wood).
 3.56—Viola solo: Miss D. Roxburgh, "En Regard au Roi" (Godard).
 4.1—Miss Rene Pollard, soprano, "Annie Laurie"; "Gray Days."
 4.8—Miss T. Tierman, "Dreams of Love" (List).
 4.14—Orchestra. "Spanish Rhapsody" (Ferroni).
 4.20—"The Heavens are Telling" (Haydn).
 4.25—Piano solo, Miss A. Fortune, "Wedding Day" (Grieg).
 4.33—Orchestra. "Sweet Baby Mine" (Brown and Frost).
 4.49—"Soaring" (Schumann).
 4.49—Oral Evensong from St. Paul's Cathedral.
 5.30—"Herald" and "Argus" news services; Reuters and the Australian Press Association Cables.
 5.45—Time Signal; Close down.
 Evening Session, 6 to 7.15.
 6—Children's Hour. Stories by Wallaby Bill: "New Tales of the Magic Fairy — The Return of the pale Green Fairy."
 6.45—"Herald" and "Argus" news

- services; sporting results; Reuters and the Australian Press Association Cable News; market reports; weather synopsis; closing Stock Exchange information; shipping movements. Market Reports by the Victorian Producers' Co-operative Co. Ltd.: Newmarket sales, Cattle, Pigs, Curious meat, Grain, Chaff, Hay, Straw, Jute, Dairy produce, Potatoes and Onions.
 Night Session, 7.20 to 11.
 Music in Pleaso Hall. Speakers: Mr. J. G. Lee; Dr. Griffith; Capt. C. H. Peters. Kingsville and Yarraville Band (Musical Director, Mr. F. G. Johnston). Miss Gladys McDowell, contralto; Mr. Bobby Pearce, baritone; Mr. Syd. Exton, tenor; Mr. Frank R. Thomas, baritone; Mr. A. Borthwick, xylophone.
 7.20—Mr. J. G. Lee, Railway Superintendent, Gippeland. "What the Railways mean to Gippeland."
 7.40—Dr. Griffith, health officer, City of Footscray. "The Infant Welfare Campaign."
 8—Kingsville and Yarraville Band, March, "Jack o' Lantern."
 Ballads.
 8.15—Miss Gladys McDowell, contralto, "Shepherds Cradle Song" (Somerville); "Pleading" (Edgar).
 Popular Selections.
 8.22—Mr. A. Borthwick, xylophone selections, Oratorio.
 8.37—Mr. Syd. Exton, tenor, "Where e're you walk" (Handel).
 The Band.
 8.42—Kingsville and Yarraville Band, Overture, "Victoria Cross," fantasia, "Hymn to Music."
 Songs of Long Ago.
 8.57—Mr. B. Bobby Pearce, baritone, "Thorn" (Adams); "When other lips" (Balf).
 In Opera.
 9.4—Captain C. H. Peters, "Books wise and otherwise."
 The Band.
 9.19—The Kingsville & Yarraville Band, March, "Victor's Return"; fox trot, "I miss my Swiss."
 9.34—Mr. Frank R. Thomas, baritone, "Cavatina"; "Faust."
 The Band.
 9.39—Kingsville and Yarraville Band, Selection, "Labour and Love" (winning selection at Burnie Band Contest, 1925).
 Ballads.
 9.49—Miss Gladys McDowell, Contralto, "Trees" (Ruedsch); "Jennie, come try me" (White).
 In Lighter Vein.
 9.54—Mr. A. Borthwick, xylophone selections, In Opera.
 10.8—"Argus" and "Herald" News Services.
 Duets.
 10.9—Messrs. Syd. Exton and Bobby Pearce. "The moon hath Rained" (Benedict); "O Mimi tu pun non torni—la Bohema."
 The Band.
 10.17—Kingsville and Yarraville Band, March, "St. Kilda"; Gavotte, "Ty-patin."
 Vocal.
 10.27—Mr. Frank R. Thomas, baritone, "Eleanor's" (Calverley Taylor); "When the King went forth to War."
 The Band.
 10.34—Kingsville and Yarraville Band, Selection, "Rise of England."
 Oratorio.
 10.49—Mr. Syd. Exton, tenor, "If with all your hearts—Elijah."
 Grand Finale.
 March, "On Manly Shore."
 11—God Save the King.

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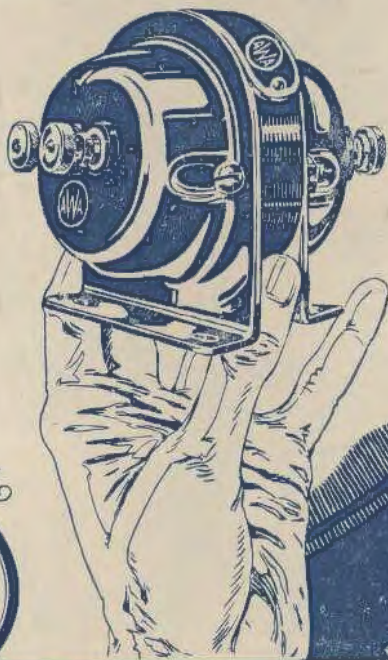
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