

WIRELESS WEEKLY

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transmission by post as a newspaper.

VOL. 8. No. 6.

FRIDAY, JUNE 4, 1926.



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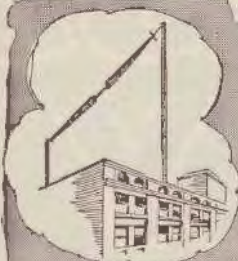
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The
Wavelength
Tangle



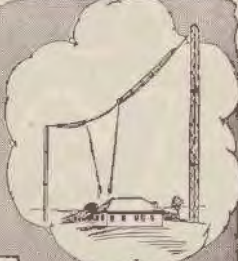
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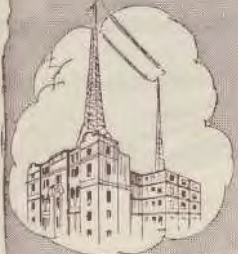
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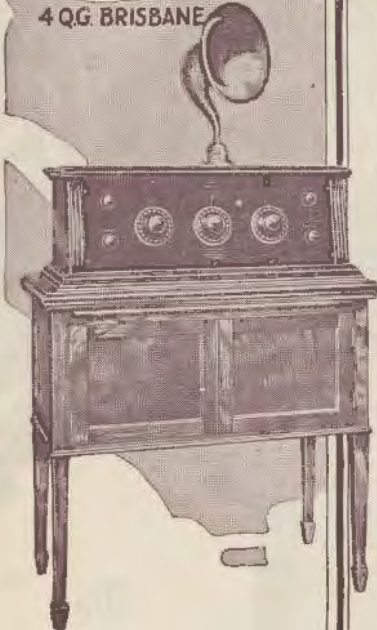
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Distance no longer a bar!
UDISCO
RADIO RECEIVERS
Lay Australia at your finger-tips!

Matthew Flinders in his frail craft could never have dreamed that his feat of seamanship in circumnavigating Australia would be duplicated nightly but a short century later.

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The "Capacidyne" circuit employed ensures reception of Stations operating on any wavelength between 20 and 2000 metres. This circuit—a purely Australian invention—gives selectivity, volume without distortion, superlative tone quality and ease of control.

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

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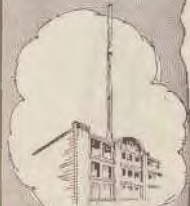
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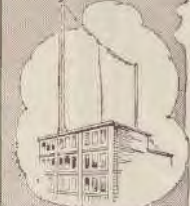
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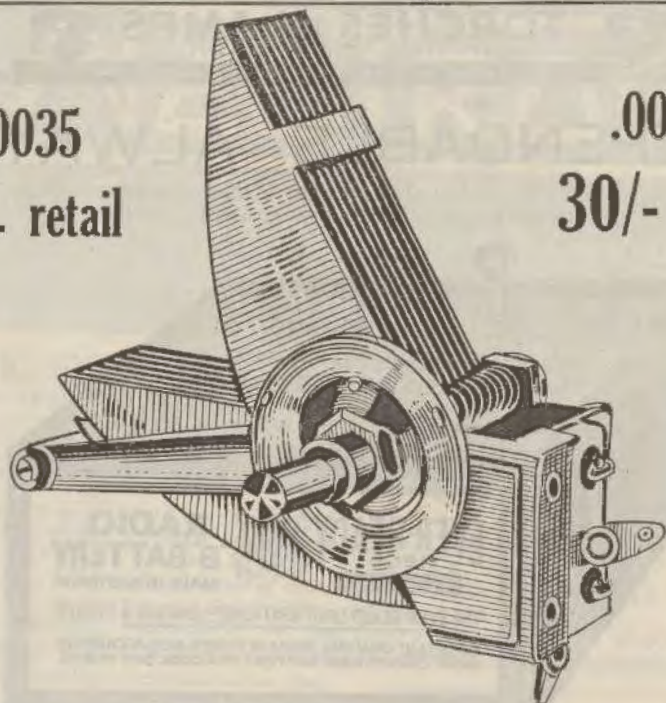
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— 1/2 —

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Ratio 3 to 1 and 5 to 1. The main objects in view are high amplification of applied voltage, together with a straight line amplification-frequency curve. That is to say for a given input voltage, the amplification is constant over a wide band of frequencies, thus eliminating resonance. Mechanically protected and shielded so that the transformers may be placed close together without interaction.

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WEST AUSTRALIA: A. C. McCallum Ltd., 96 Murray Street, Perth.



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MAN-MADE STATIC.

Scientists the world over have been for years endeavouring to work out the problem of overcoming static interference, without, so far, a great measure of success. Atmospherics or their causes are, of course, beyond the control of human beings, but the remedy for their elimination lies entirely with science.

There is, however, another form of interference which in certain cases has far more serious effects than the common or garden variety with which we are all unfortunately familiar. We refer to the "man-made static" which, particularly in country towns, is causing a great deal of unnecessary annoyance, and is most certainly forming a bad impression in the minds of many people who associate the consequent noises with broadcasting.

In the main these noises are engendered by hum from A.C. circuits and intermittent "static" interference from faulty generators, but in almost every instance they can be rectified by using proper methods.

To quote one instance. Some little time ago the citizens of a fairly large country town subscribed sufficient money to instal an efficient receiver in the local hospital. It was found, however, that reception at night was utterly impossible owing to "static" from a badly sparking generator used for the town lighting supply. This machine was over twenty years old, and an examination showed that sparking occurred on a badly scored commutator which had been neglected for years. As the generator was located seven miles away from the hospital, it will be seen

that in this particular town broadcast reception is absolutely barred until a new installation is acquired.

While this instance may be exceptional, there are dozens of other cases where local councils, while apparently fully alive to the public needs in other directions, yet unwittingly neglect this most important matter. Dozens of letters reach us from country readers complaining about this, to them, inexplicable interference, and asking us to point out a way of getting rid of it.

It is, of course, possible in certain instances for the broadcast listener to lessen the nuisance by making alterations to his set, but the remedy, of course, rests entirely with the authorities controlling the town lighting plants, etc., which give rise to the trouble.

In A.C. circuits there should be a systematical search for power leaks and an immediate replacement of insulators found to be faulty, while attention should be also given to the brushes and the slip rings of the alternators. With D.C. plants, the commutator should be cleaned regularly, and in the case of a badly scored commutator, it should be "skimmed" up to an even surface.

Much more could be said on this subject, but these remarks may perhaps serve as a reminder that the onus for good broadcast reception is not only upon the broadcasters and the broadcast listeners, but also upon those responsible for the cause of this "man-made static." A word to the official responsible may in almost every instance result in immediate and better conditions of reception.

A. W. WATT.

"Burginphone" Wireless Receivers



Australia's Best by Test

"Burginphone Master"—

A Receiver of Rare Excellence, with
Purity of Tone and Long Range

"Burginphones"—

are Selective to the Highest Degree

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THE WORLD'S "SUPER" CRYSTAL

Not Affected by Handling or Exposure. Not a Dead Spot in

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Tungstalite is sold here at English prices, thus giving Crystal users the greatest value on the market.

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SOLE AGENTS:

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CHOOSING COMPONENTS

A SIMPLE NON-TECHNICAL ARTICLE FOR EVERY B.C. LISTENER.

On an average, over 50 letters per week are received from readers asking our advice concerning the types of condensers, rheostats, and transformers we recommend them to use. In order to limit these enquiries we have recently commenced a Round the Trade Column where each piece of new apparatus is briefly but conscientiously described. In spite of this fact, however, enquiries still continue to pour in and it is very necessary for us to state that it is against the policy of "Wireless Weekly" to recommend any particular type of apparatus. There are, without a doubt, many readers who have accumulated various types of radio components, due no doubt to the fact that they cannot be used, as the results obtained with them will not suit the present individual conditions or requirements. The following article will, we feel sure, act as a guide and prevent other readers from purchasing materials which do not suit their circumstances.

Condensers.

In choosing a variable condenser, the average reader, beyond considering what capacity value he wants, does not stop to look for mechanical weakness, or other disadvantages which invariably accompany cheap types. The outstanding features of a variable condenser should be correct capacity value for the duty the condenser is to perform, it must be mechanically strong and smooth in action, with good connections to moving plates. Pig tail connections are not absolutely essential, providing some means of varying the tension on the moving plates is provided. Metal end or bakelite end plates are not important; both will be found equally efficient on broadcast wavelengths where other conditions are equal.

Straight line frequency condensers are without a doubt a big advantage where Interstate reception is desired in the provincial towns of Sydney, Melbourne, or Brisbane. Those readers who are at present using the ordinary type of variable condensers, fitted with semi-circular plates, have undoubtedly discovered that some of the stations their receivers are capable of receiving are dangerously close together on the dial scale. This makes tuning somewhat difficult, and is due to the fact that the capacity is increased at a constant rate as the dial is rotated. With the tuning by a straight line frequency condenser, however, the

frequency of the tuned circuit is increased or decreased per degree of rotation. So that if three stations are separated by equal frequencies they will each be tuned in at equal degrees of the dial.

Rheostats.

The average broadcast listener, who has only a vague knowledge of electrical measurements is sometimes at a loss to know what size rheostat he should use to control the particular type of valve he uses. A rheostat is nothing more nor less than a variable resistance which is placed in series with the filament of a valve. They are made in various sizes, the most common being 0-6, 0-10, 0-20, 0-30 and 0-50 ohms. The following table shows at a glance the rheostat recommended when used with various A battery voltages. The first table deals with bright emitters and the second with dull emitters.

TABLE No. 1.

Type of Bright Emitter Valves Used.	No. of Volts A Battery.	Size of Rheostat Recommended.
UV.201A	6	20 or 30 ohms
UX.201A	6	20 or 30 ohms
D.V.5	6	20 or 30 ohms
Continental	6	20 or 30 ohms
True Blue	6	20 or 30 ohms
Philips C.509.	6	20 or 30 ohms
Ediswan	6	6 or 10 ohms
Marconi "R"	6	6 or 10 ohms
Mullard (D.F.A.0.)	3.5	20 or 30 ohms
Mullard D.F.A.4.)	6	20 ohms
Cossor P.3.	4.5	20 ohms

TABLE No. 2.

Type of Dull Emitter Valves Used.	No. of Volts A Battery.	Size of Rheostat Recommended.
D.V.3	3	30 ohms
Dull Emitter	3	30 ohms
UV.199	3	30 ohms
A.W.A.	3	30 ohms
Mullard D.06	3	30 ohms
Cossor W3	1.8 (one 2-v. Accumulator)	6 ohms
Continental.	3	30 ohms

For a radio receiver to be a complete success



The
QUAM
Radio's Best Speaker

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

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

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

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

Price, £9/-/-

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

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every member of the family should be able to operate it. So much is heard nowadays about Interstate reception that many enthusiasts judge a set entirely by its ability to pick up long distance stations. Under certain conditions this practice is perfectly natural, but in general it is being overdone. The owner of the receiver who is constantly endeavouring to receive stations at considerable distances (generally with an impossible set) is invariably the only one in the house who ever uses the set. To the owner or builder of a receiver long distance reception is undoubtedly very fascinating—of that there can be no question—but how about the family? They invariably want good entertaining volume which is clear and possesses good tone. It matters little to them whether the broadcasting station is 30 or 300 miles away. The ideal receiver is one that meets the above requirements, not for long distance reception alone, but for volume and clarity as well. Unfortunately, these three qualities are not as a rule all present in one home constructed receiver. There may be a few exceptions. In most cases, therefore, the radio enthusiast will have to be satisfied with one, or at the most, two of these qualities. The question then is: Which is the most important?

If the receiver is intended only for the pleasure of the owner, then one which specialises in long distance reception is probably the one which will suit him best, because he is ever ready to pardon the lack of tone quality by the reception of Interstate stations. If the family or his non-radio friends are to enjoy the pleasures of broadcasting, however, clearness and volume should be the main considerations, whether the transmission is local or otherwise.

If your radio set possesses tone quality, you will soon know it from the expressions of your friends when they hear it in operation. Invariably the owner of a receiver is so familiar with his reception that he cannot or will not judge its qualities. Not so with your friends. If you let them listen to Perth, they will certainly be impressed, but let them hear a local station come in with bell-like clearness and they will praise without stint and invariably state that they had no idea that wireless was so good.

Transformers.

It should be the aim of every listener to obtain perfect reception. In this way he will not only increase the number of listeners but indirectly will be improving his programmes, because more money will be made available (per license fees) for the payment of better artists. If, when you demonstrate your receiver, your friends do not properly appreciate the results, you will readily know it,

and the chances are that there is considerable room for improvement in the quality of the reproduction of music or speech. Distortion can be invariably traced to the transformers, the best test for which is to compare the tone of the detector valve alone.

To listen in on the first valve, lift the connection going to the P terminal of first transformer, and temporarily connect one end of the phones to this wire. The other side of the phones should then be joined to the positive 22, or whatever voltage is used for the detector valve.

After carefully noting the quality of reception, place back the connection, and repeat the operation with the second transformer. If the quality is as good using one stage of audio, try the second stage. If the good quality of the detector is still present, then your set is a good one, as far as tone is concerned. Invariably the second stage is the one which causes most of the distortion. Home constructors who have two different types of audio transformers will therefore be very wise to carefully experiment until they find the best one, and then use it in the last stage.

When two different ratios of transformers are used, the amplifier will invariably be more efficient if the small ratio transformer is used in the last stage. The above statement is by no means a hard and fast rule unless two transformers of the same make are used, and even then actual test comparisons are very necessary. Don't be misguided by the ratio of the transformer; the bigger ratio does not always mean bigger volume. Where a decided distortion is apparent in the last stage a high variable resistance, joined directly across the secondary terminals of the last transformer, will often improve the tone quality.

Try to-night to improve your reception. Discard those cheap transformers and you will be surprised to see how many of your surrounding neighbours and friends are added to the list of broadcast listeners.

(Editor's Note—The modulation and articulation of our broadcast stations compares with any country in the world. See to it then that your reception does them credit.)

A 2BL INVENTION.

A quite new invention, for which patents are pending throughout the civilised world (including Melbourne), emanates from the brain of Uncle George.

Summed up briefly, it may be described as the toe-less sock, which may be drawn on from either end. Distributors wanted.

Better Radio results at less cost

—RANGE, ECONOMY, QUALITY—

For those who prefer to make their initial Radio installation as inexpensive as possible A.G.E. Receiving Set No. 3 was designed, and realising that most users would shortly desire to add to this installation A.G.E. Receiving Set No. 3 and balanced amplifier was designed to go with it. This set was designed for outlying districts where distant receptions may be held at minimum expense.

Booklet mailed free.

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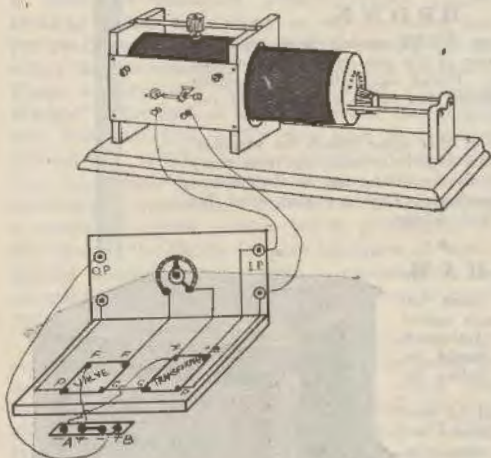
Agents.
Atkins (W.A.) Ltd., 694 Hay Street, Perth, W.A.
Oliver & Oliver Pty. Ltd., Hobart and Launceston,
Tasmania.



Queries Met By Every Beginner

Q.: "I have a loose coupler crystal receiver which gives excellent phone strength. Could a one-valve amplifier be added to operate a small loud speaker? Please show a back view as I cannot understand the circuit drawing."

A.: We have pleasure in publishing a back view of a one-valve amplifier, but would suggest you alter your receiver to the "Wireless Weekly" Reflex, which we feel sure you will find more suitable for loud speaker work.



Q.: "Can the ordinary type of 3-coil broadcast receiver, with aperiodic aerial tuning, be used for the reception of American and English amateurs?"

A.: No. There was a time when this type of receiver was quite O.K., but now that much lower wavelengths are used, the ordinary type of .0005 or .001 variable condenser is out of the question. Even if the tuning could be accomplished with the large sized variables, the adjustments would be so critical that many stations calling would be missed, even in varying the condensers only a few degrees. The three-coil circuit is hard to beat for the reception of amateur wavelengths when used with the Lorenz type of coil, and the following table should act as a guide for readers who are endeavouring to receive the American tests. The air is now full of interesting signals, originating from America and England, and those of you who read Morse, and are

interested in amateur transmission, have no idea of the pleasure you are missing.

Coil table recommended:—

Primary.	Secondary.	Tickler	
3	6	5	Secondary tuned with 4 moving & 3 fixed plates
3	8	6	S.L. Freq. condenser preferred.
3	10	8	

Q.: "I have several discarded radion and bakelite panels. Can you please tell me if there is any method of filling up these unsightly holes, and using the panels again?"

A.: Yes, Chatterton's Compound may be used for this purpose, and if care is taken in applying it a very neat looking job can be accomplished. It is usually supplied in sticks, and is very cheap. First heat the end of the compound with a lighted match, and allow the drips to fall into the hole until the surface of the hot liquid is level with the top of the panel. It will very soon get hard, when a flannel dipped in turpentine can be used to polish it.

LISTEN FOR WGY.

Those who have specially constructed short-wave receiving sets and short aerials should tune in one 32.79 metres on Sunday afternoons from 2 till 4 o'clock to pick up concerts from the General Electric Co.'s broadcast station, WGY, Schenectady, New York State, relayed by KDKX, the Westinghouse Company's East Pittsburgh Station.

BOUQUETS GALORE.

Mr. G. O. Morrice, "Nunanumbly," Dalgety, via Cooma, writes: "Re the 'All Australian' Receiver, published in 'Wireless Weekly,' February 19th, I built it according to instructions, and must admit it is the best receiver I have ever made up. I have received the following stations all at loud speaker strength: "4QG, 3LO, 2BL, 2KY, 3AR, 2FC, 5CL, 6WF phone strength. I have also built a four valve receiver for a friend, according to the progressive system of construction published in your valuable paper."

WANTED.—All kinds Secondhand Wireless Sets, Parts, Speakers, etc. Best prices given. JACK RAPKEN, 16 George Street West. MA 1198.

BURGESS—"Power! Harmony! Endurance!"—BATTERIES



FAMED THE WORLD OVER

FOR QUALITY, TONE AND DEPENDABILITY.

IGRANIC.

We have recently landed a complete range of additions to the famous Igranic components, and the Micro Condenser is a typical specimen.

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

BROWN.

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

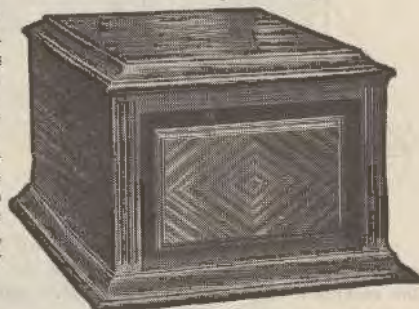
At the back of this name stands an organisation rich in the experience resulting from many years devoted to the production of Headphones and Loud Speakers. They are unexcelled for tonal purity and volume. * * *

OLDHAM.

We have been appointed sole agents

for the Oldham (Special Activation Process) Battery, and you should investigate its unique merits before investing in an accumulator.

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



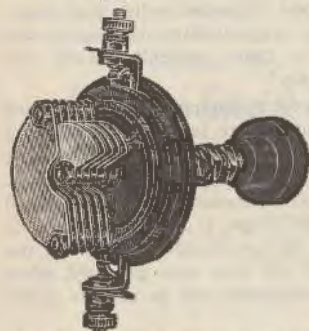
The BROWN Cabinet Loud Speaker. A beautifully proportioned Cabinet Type which will readily harmonise with any furniture. Unsurpassed in tone as in appearance.

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The IGRANIC Micro Condenser is a miniature variable condenser and is particularly valuable for extremely fine tuning. Maximum capacity: .00004 m.f. Single hole fixing 8/3



The Wavelength Tangle

By A. W. Watt.

Recent discussions in these columns with reference to the wavelengths of the short wave high power stations have caused considerable comment, and a great many arguments have been received for and against.

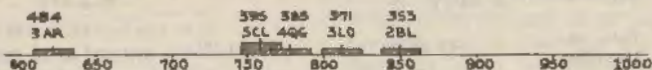
The purpose of this article should be made clear from the outset. The chief aim of this paper, ever since its establishment in August, 1922, as the first wireless journal in Australasia, has been to steer an unbiassed, straightforward course, avoiding useless controversy on the one hand, and yet ready to take up any question having for its object the betterment of radio conditions generally. Those readers who possess files of "Wireless Weekly" as far back as the first issue of four pages, will find that this policy has been consistently adhered to. It may therefore be taken for granted that this article is intended in no cavilling spirit towards the broadcasting stations, which are giving a consistently good service, but it is intended to put forward the claims for a re-allocation of wavelengths which the writer feels is necessary in the general interests. Anyone without an axe to grind will admit this.

Considering that there is a technical as well as a topical side to this question, and in order to deal conclusively with the criticism which has been levelled against us, it is hoped that the conclusions drawn here will serve not only to allay the anxiety of those who fear that a re-allocation of wavelengths may lead them into further expense in the equipment of their receivers, but will also

provide a definite answer to those technically inclined enthusiasts whose criticisms have been sadly sprinkled with mixed metaphors and technical inaccuracies.

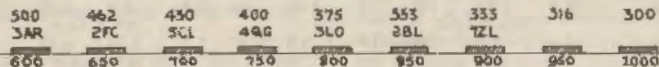
Now, in the first place, any reader can demonstrate to his own satisfaction the crowding of the wavelengths of these short wave stations by twirling the dial of his receiver from 2KY to 3AR, which represent the extremes as they exist at present. It will be found that within twenty degrees four of the highest powered stations have been jammed. A visible demonstration is always the more convincing, and with this end in view, I have prepared the charts, or graphs, which appear here to guide readers through the tangle of technicalities which, if not checked, may soon obscure the main issue.

In all probability I shall be taken to task for allowing such a wide band of wavelengths—or more correctly speaking, frequencies—to each station, but this is necessary in view of the fact that every broadcasting station during modulation, emits, in addition to its carrier wave frequency, two side bands with a depth corresponding to the modulation frequency. As well as this variation from the position allotted to it by the Postmaster-General's Department, there is an additional one per cent. swing allowed to cover periodic changes in the wavelength due to causes not immediately under the control of the operating staff, such as changes in the dimensions of the apparatus due



GRAPH 1.

GRAPH 2



"B" BATTERY SERVICE HOURS

HOW LONG WILL MY "B" BATTERY LAST

This question has at some time or other been asked by every user of a Receiving Set, and the Burgess Battery Company, of Madison, U.S.A., have dealt with this subject in one of the latest issues of their Engineering booklets. The data given is most interesting, and we should say absolutely reliable, as they guarantee their batteries to stand up to the tests referred to, and to give the actual service hours mentioned.

Any Dry Cell battery, to give good results, must have certain characteristics. For example, a large energy capacity, so that they can be used intensively or produce a loud sound, availability to hold their energy and not allow it to leak out even when they are in use, a constancy of delivering of energy, so it can be easily and smoothly controlled by the Receiving Set, a smoothness of discharge into the set to prevent interference with the control.

All Burgess batteries embody the same features of construction, and there is no difference in the quality of the energy furnished. The largest sizes of batteries, of course, give the greatest energy or hours of service. We will classify the batteries into groups according to their weight of 22.5 volts, which is referred to in Table II.

TABLE I.

- 1 lb. class No. 4156 "B" battery.
- 2 lb. class No. 5156, 5158, 5308 "B" battery.
- 5 lb. class No. 2156, 2158, 2306, 2308 "B" battery.
- 7 lb. class No. 10308 "B" battery.

TABLE II.
APPROXIMATE HOURS OF SERVICE OF "B" BATTERIES.

Average Service Hours	Current Milliamperes	Class of "B" Battery			
		7 Pound	5 Pound	2 Pound.	1 Pound
Hours	2	3600 Hrs.	1800 Hrs.	900 Hrs.	350 Hrs.
at	5	2000 Hrs.	1000 Hrs.	300 Hrs.	100 Hrs.
Various	8	1250 Hrs.	500 Hrs.	140 Hrs.	
Current	10	1000 Hrs.	400 Hrs.	110 Hrs.	
Drains	15	600 Hrs.	230 Hrs.		
	20	400 Hrs.	150 Hrs.		
	30	215 Hrs.	75 Hrs.		

TABLE III.
PLATE CURRENT DRAINS OF VARIOUS VALVES

Valve Style Number		UV-199 C-299 DV-3 DV-3A			WD-11 WD-12			UV-201A C-301A DV-2			UV-200 C-300	
"B" Battery Volts (Plate)	Tube as Detector	40 to 45 DV-3 { 22.5 to DV-3A { 45			40 to 45			40 to 45 DV-2 { 22.5 to 45			Variable 15 to 24	
	Tube as Amplifier	45 to 90			45 to 90			45 to 112.5 DV-2 { 45 to 120			Not an Amplifier	
"B" Battery Average Currents Milliamperes With Various Numbers of 22.5 Volt "B" Batteries	No. of Batteries	Gridbias Volts 0.0 3.0 4.5			Gridbias Volts 0.0 3.0 4.5			Gridbias Volts 0.0 3.0 4.5			Gridbias Volts 0.0	
	1	19.5	0.2	0.05	0.0	0.2	0.05	0.0	0.3	0.0	0.0	0.25 to 1.0
	2	39.0	DV-3 } 0.4 DV-3A } 1.05 0.4 0.2			1.05	0.4	0.2	DV-2 -0.7			
	3	58.5	DV-3-1.3 2.25 1.2 0.8			2.25	1.2	0.8	DV-2-2.3 2.0 0.85 0.65			Not Used With Higher Voltages
	4	78.0	DV-3-2.3 3.6 2.35 1.7			3.6	2.35	1.7	DV-2-4.3 3.75 2.15 1.6			
5	97.5	5.15	3.5	2.7	5.15	3.5	2.7	DV-2-6.6 6.65 4.5 3.1				

In another issue of "Wireless Weekly" we shall publish in these columns tables showing "Dry Cell 'A' Batteries for Various Valves" and the "Approximate Hours of Service of Dry Cell 'A' Batteries."

to heating while in operation, line voltage variation, etc.

This will mean that with a station working on, say, 400 metres, corresponding to 750 kilocycles, the one per cent. swing will encompass 7.5 kilocycles, which in addition to the five kilocycles side band demanded for high class reproduction of orchestral music, necessitates a total channel 25 kilocycles wide, i.e., $7\frac{1}{2}$ plus 5 = $12\frac{1}{2}$ on either side of the fundamental. A study of graph 1 leads us to the amazing discovery that if 4QG and 5CL happen to vary in opposite directions on the same night to the limits allowed them by the regulations, there will be a hopeless audio heterodyning. This is not merely a theory, for it actually happened during the preliminary tests at the former station that its wavelength was a little on the high side during a C.W. test, and the South Australian broadcast enthusiasts will not forget it for quite a long time, for the result was that the strong unmodulated carrier from 4QG completely spoilt reception for quite a number of listeners. This ethereal overlapping will take quite a lot of explaining by the Postmaster-General's Department, and this paper would be very glad to publish any official statement as to the methods employed in determining the wavelengths of the above mentioned stations.

One of my correspondents suggests a separation of 50 kilocycles between the carrier waves of all the short wave broadcasting stations, and I heartily agree with him in this respect, for if this separation were given to the stations, their relative positions would be as shown in Graph 2.

Concentrating the stations belonging to Class A between 300 and 500 metres or 1,000 to 600 k.c., there will be room for nine stations, and, as there are only eight of these stations allowed by the regulations, it seems strange that so simple a solution has not before been adopted to relieve the present tangle.

In conclusion, it must be realised that, due to restrictions of space, a great many points of more or less importance have had to be omitted from this article, but it may be taken for granted that they have not been overlooked. As I have pointed out on previous occasions, broadcasting to-day is a National affair. The crystal user of to-day is the valve user of to-morrow, and sooner or later, the desire to reach out and listen to the programmes of the far distant stations takes possession of everyone.

With this, and other points in view, the writer is entirely confident that a re-allocation of wavelength along the lines laid down in this article, could not have other than a beneficial effect

generally. The Telegraphs and Wireless Branch of the Postmaster-General's Department, is responsible for the administration of the Wireless Telegraphy Regulations, and to the executive officers of this Department is issued a most cordial invitation to avail themselves of the opportunity afforded by access to the columns of this widely read paper, to place before the radio public their reasons for allowing this most apparent state of chaos in the ether to continue. At the same time, correspondence from other readers of "Wireless Weekly" will be welcomed.

BETTER BROADCASTING.

2BL TO BE STRONGER.

Radio listeners, especially those at a distance from the broadcasting stations, will learn with satisfaction that the power of broadcasting station 2BL (Broadcasters), will be largely increased from the first week in June. This will mean that the range of the station will be considerably increased—just how much it is impossible to say—but it may be expected that crystal sets within 50 miles of the station at Coogee will be able to pick up the new 2BL and that valve sets will be able to hear the station with one valve less in use. The power of 2BL at present is officially 1,500 watts, and the changes now being made will bring it to 5,000 watts—making it the equal of the other principal A class stations in Australia. In plain words, listeners all over N.S.W. will be brought into closer contact with the excellent programmes of entertainment and information that are now being broadcast from 2BL.

THE B.B.C. AND BRITISH OPERA.

That the broadcasting of excerpts from their performances has been of great benefit to the British National Opera Company was stated recently by the manager of the company. The practice has been to allow the B.B.C. to select an act from any opera for broadcasting, with the condition that it must not be broadcast in the town in which the B.N.O.C. are at the moment.

MOSCOW RADIO ACTIVITY.

We understand that the Communist International of Moscow, by the establishment of a number of receiving stations in Germany, hope to influence the workmen of Germany. The receiving stations will be used for reception from Moscow whence special programmes will be sent out, their special objective being the German workmen's radio club.

BUY A CLYDE AND GET THE BEST

CLYDE BATTERIES



MADE IN

A USTRALIA

TIME PLAYS NO FAVOURITES.

Although inconspicuous at first the little differences of design and manufacture that make one battery better than another become more and more evident during each added week of service. Time—the most accurate of all authorities on battery efficiency and durability has reported favourably on Clyde Batteries.

Careful research by highly skilled men has made the Clyde Battery what it is to-day.

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American Bosch Magneto Corp.

WE have pleasure in announcing that we have succeeded in inducing the above firm to place their products, **The Amborola Receiving Set and The Ambotone Loud Speaker**, upon the Australian market.

The Amborola is a large, powerful, six tube radio receiver with an unapproached tonal quality, having in its exterior appearance and in its interior construction all the evidences of quality, workmanship, and design which have always been associated with the products of the American Bosch Magneto Corporation.

The Ambotone with its wood conoid, is mellow in tone and accurate in reproduction over the full range of music or voice. It reproduces all the bass notes so often lost in radio reproduction. **The Ambotone** will help you get the most out of your radio set.

The Receiving Set and Loud Speaker are now on display at our offices, and we would be pleased to demonstrate the above qualities to those interested.

Weldon Electric Supply Company Ltd.

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SHROUDED L.F. TRANSFORMER



A pioneer instrument yet still unchallenged. Specially adapted for use in hot or humid climates.

An instrument of surpassing merit, well made and well designed, giving distortionless reproduction with amplification on a silent background. Its consistent high quality has made it the favourite with every wireless enthusiast, with the result that it is in use in every quarter of the globe.

The handsome gilt finish is in pleasing contrast to the black terminal board, and all terminals are lacquered and provided with tags.

This model is wound with 12,500 turns of wire on a Stalloy laminated core, and is made in ratios of 1 to 3, 1 to 4, and 1 to 5. Under ordinary circumstances 1 to 5 should be used in the first stage of low frequency amplification, and 1 to 3 in the second stage. This Transformer is the finest general purpose instrument available.

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CROSSLEY "MUSICONE" LOUD SPEAKERS.

AND ALL OTHER STANDARD LINES.

SWAINS

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WHAT THEY WRITE

THE WAVELENGTHS.

International Radio Company Ltd.,
200 Castlereagh Street, Sydney.

Dear Sir,—I read with great interest your editorial in "Wireless Weekly" of May 21st.

You certainly have hit upon a matter which needs immediate rectification, viz., allocation of wavelengths of the stations below 600 metres. How the head of the Federal P. and T. Department and his technical advisers ever came to put 2BL, 3LO, 4QG, and 5CL all bunched together within a band of 42 metres needs some explanation. It is absolutely bungled, and it is high time that someone was put in charge of the whole affair who is able to grasp the matter and who will look after the broadcast listeners.

After this bunch of five stations there is no other station for nearly 100 metres, and then we have 3AR. Another 50 odd metres and we come across station 7ZL. A schoolboy would have done as good as this, and how so-called technical men ever came to allocate the wavelengths like this will remain a mystery.

Between the wavelengths of 200 to 525 metres there is room for 14 broadcasting stations, allowing a wavelength of 25 metres between any two stations. In other words, 14 broadcasting stations could be run on the wavelengths from 200 to 525 metres, and each and every one be separated by 25 metres. This would allow the broadcast listeners to receive any of the stations, with a good set, without the interference which is experienced to-day.

Let us make a suggestion and re-allocate the wavelengths from 300 metres upwards. We will put

2BL	on 300 metres
5CL	on 325 metres
3LO	on 350 metres
7ZL	on 375 metres
4QG	on 400 metres
3AR	on 425 metres.

Now, you can instantly see that the three principal broadcasting stations, namely, 2BL, 3LO, and 4QG are 50 metres apart from each other, and those listeners listening-in to either one of these three high power stations would suffer no interference.

Then take the other stations mentioned, namely, 5CL, 7ZL, and 3AR. These are all separated nice and evenly, and no trouble could eventuate.

Take, for instance, a listener on the wavelengths suggested. He would be in a position to tune-in any of the other stations with ease, and it would not matter whether the listener was in Brisbane, Sydney, Melbourne, or Adelaide.

It is high time that the listeners, and the radio papers from one end of Australia to the other, insisted that this re-allocation be carried out immediately.

At the Commonwealth Radio Conference held at Sydney on the 3rd, 4th, and 5th May, at which delegates were present from all the Australian States, it was unanimously agreed that the margin between the wavelengths be increased as I have suggested. It is no use the head of the P. and T. Department trying to ignore this question any further, as by doing so he merely shows his incompetency.

Trusting your efforts in this direction on behalf of the listeners-in will meet with the utmost success.

Yours, etc.,

CHAS. E. FORREST,
Managing Director.

PEACE IN THE EUROPEAN ETHER.

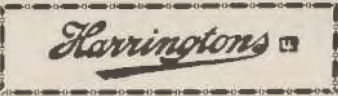
The knotty question of European broadcast wavelengths is being approached in a new fashion by the International Radio Telephony Council, the result of whose deliberations at Geneva is the formulation of a fresh plan, dividing stations into two classes. Under the first class come those stations using comparatively high power; these will be entitled to an exclusive wavelength each. The second class embraces low power stations which will employ a common wavelength. The wavelengths will be calibrated by a wavemeter common to all countries and each station will be required to keep rigidly to its allotted wavelength. Three technical committees have been formed to superintend the enactment of these proposals.

DID YOU GET KTAB?

So far only two reports of the special transmission from KTAB on May 20th have reached us, one from P. Boulton, of Albury, and the other from H. Gotting, Braemar, N.S.W., both "DX-ers" of note.

The former picked up the Los Angeles station at 10.15 p.m., and held him until 11.30 p.m., during which a considerable number of items were heard, although KTAB at times faded right out. A home-made super-heterodyne was used. Stations also being consistently logged by Mr. Boulton are KGO, which was picked up at 5.10 p.m. in broad daylight, JOAK, and, recently logged, KGU, the broadcasting station of Hawaii. Later still, the Texas station WOIA was brought in on a loop with the super-het.

Mr. H. Gotting picked up KTAB at 10.10 p.m., and although reception was marred by continuous static, tenor and soprano solos and band music came through very well at times. Receiver used was a 4-valve Browning Drake, which our friend finds excellent for clarity and distance.



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The New
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50 per cent.
More
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84 Strands of
Interwoven non-
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SPEAKER**

The greatest musical instrument of Radio. Pure polished Bakelite Horn and gold Thread Band.

PRICE .. £4/10/-

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(Be sure you get the genuine Mar-co Dial)

SPECIAL NEW AEROVOX LINES.

- Aerovox Resisto-formers for Resistance coupling—single stage 15/-
- Complete 3 stage kit of Aerovox Resisto-Formers 35/-
- Aerovox Fixed Mica de Luxe Condensers, all capacities from 2/- each.

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	Unmounted	Mounted.
20 Turns	£0 1 8	£0 4 0
25 Turns	0 1 10	0 4 3
35 Turns	0 1 10	0 4 3
50 Turns	0 2 0	0 4 6
75 Turns	0 2 1	0 4 6
100 Turns	0 2 4	0 4 9
150 Turns	0 2 6	0 5 0
200 Turns	0 3 0	0 5 6
250 Turns	0 3 6	0 6 0

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- Adelaide 10 Rundle Street
- Wellington, N.Z. 42 Willis St.
- Auckland, N.Z. 140 Queen St.

ON THE AIR

CHRISTIAN SCIENCE SERVICE.

On Sunday, June 6th, Station 2BL will broadcast Christian Science service from the First Church of Christ Scientist, Riley Street, at 11 a.m. The evening service will be broadcast from the Enmore Church of Christ and conducted by the Rev. H.



Miss Una Cameron, popular 2FC soprano.

Whateley, M.A. This is Mr. Whateley's farewell service prior to leaving on a trip to Europe, which will be specially choral. The Newtown Band will also be heard in band numbers. During the afternoon Mr. W. "Cairo" Bradley will conduct his Bible Class, and the soloists will be Mr. Will Smith and Mr. Gartrell White. From 4 until 5 Mauly Band will be broadcast from the Ocean Beach, Mauly.

MR. PRENTICE ON PHILOSOPHIC THOUGHT.

On Monday, June 7th, during the afternoon, Mr. J. M. Prentice will continue his talks on a course in Philosophic Thought. In the evening the Ambassadors' Salon Quartet, under the direction of Mr. Claude McGlynn, will play classical selections. Mr. W. E. Lewis and Miss Dorrie Ward will collaborate in duet numbers, and will also be heard in songs. These are old favourites whose work on the wireless is much appreciated. Lecturers for this evening will be Mr. H. E. Crabb, who concludes his lectures on the Story of Civilisation, and Mr. G. O. Barnes, who will deliver the fourth of his Real Ghost Stories. Miss Mollie Rayner, comedienne, will also figure on this night's programme.

HILLIER'S ORCHESTRA.

On Tuesday, June 8th, the Orphan Wail will be broadcast from Warringah Hall, Neutral Bay, with

the artists Mr. Alfred Cunningham and others. Hillier's Orchestra is also being broadcast at intervals during the afternoon.

OPERATIC TALKS.

Wednesday, June 9th, special operatic talks by Mr. J. M. Prentice, illustrated by gramophone records supplied by the H.M.V., and Hillier's Orchestra playing from the Hillier's Cafe, Pitt Street. During the evening Miss Pauline Harford-Foster will be heard in choice items from her repertoire, while the City of Sydney Band will broadcast from Barlow Chambers special band music. Dr. Donald Luker will describe "Hong Kong—the Incomparable," and Mr. J. M. Prentice will speak on "Foreign Affairs," answering telephone questions dealing with the subject.

SYDNEY PLAYERS.

On Thursday, June 10th, from the studio of 2BL, the Sydney Players will present the second act of their delightful three-act drama entitled "The Rotters." Miss Helene Stewart, who is probably the finest dramatic soprano in Sydney, will be heard in numbers which have not previously been transmitted. Mr. Reg. Harrison, entertainer, will also be heard on this programme, and Mr. Frazer Anderson will speak on "Astrological Aids to Character." Hoyt's Imperial Orchestra, conducted by Mr. L. Hart, will be heard playing from Hoyt's Theatre de Luxe, and the Ambassadors' Dance Orchestra, under the baton of Mr. Al Hammett, will also be heard in dance numbers until midnight.



The leading lady with Gilbert and Sullivan Opera Company, Miss Stella Wilson, who is an undoubted success from 3LO.

PHILCO—"Have you got one yet?"—BATTERIES



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A copy of Philips Radio Catalogue is waiting for you to send for it. From cover to cover, it is filled with information of absorbing interest to every Radio Owner. No one should be without. Fill in the attached Coupon, and mail to-day.

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W.W. 4/6/26.

PHILIPS

SPECIAL DANCE NIGHT.

Friday, June 11th, will be 2BL's special dance night. Mr. Cec. Morrison and his Gloomchasers will provide music at intervals during the evening, and Mr. Morrison will also play numbers requested by telephone. The senior sporting expert from the "Sun" will discuss racing form and tips, and the Travelogue by Mr. J. M. Prentice will deal with some of the mystical splendours of Egypt. During the evening session Mr. J. M. Prentice will talk on "Studies in Modern English Poetry," and Hillier's Orchestra will also provide a musical programme. Miss Grace Saville, contralto, will be heard in special contralto arias and songs.

OLD AND NEW IDEAS.

On Friday, June 4th, the evening programme from 2FC will contain many novel features. A comprehensive effort will be made to contrast old and new ideas in music, speech, and humour. Father Time will visit 2FC studios, and in imagination take the artists in the studio and the listeners back in stages of ten years each until 1876 is reached. Listeners will be given an opportunity, as each ten-mile past is reached, to hear the music which was popular in those days, and the whole programme will be brought back to 1926, giving listeners an opportunity of deciding which class of music, etc., appeals to them most. A special scenario has been written by Mr. James Donnelly, who will have the assistance of the following artists to carry out the programme:—Mr. Mr. Ad Cree is Father Time, Miss Tot Loudon comedienne, Mr. Lawrence Halbert baritone, Miss Gwladys Fimister soprano. Mr. Ewart Chapple will direct the programme. He will have the assistance of the whole of the 2FC staff. The Lyceum Theatre Orchestra has arranged to commence the programme at 8 o'clock for a special musical switch, presenting melodies stretching back for many years. The 2FC Dance Band will also be available, and at the latter part of the evening will show a vivid comparison between 1926 dance numbers and those of the earlier days.

SPECIAL SCOTTISH CONCERT.

On Saturday, June 5th, in addition to the sporting programme in the afternoon from 2FC, the evening programme will be taken from the Town Hall, Rockdale, where a special Scottish concert has been arranged. Mr. Alfred King, basso, Mr. William Green, tenor, Miss Helena Stewart, soprano, Miss Rosina Smith, contralto, Mr. Bruce Clarke, "songs at the piano." In addition there will be items by Scotch pipers.

CRICKET AND RADIO.**TEST MATCHES BY WIRELESS.**

One reason why the interest in the tour of the Australian Eleven is greater than ever lies in the fact that the results are now being received by cricketing enthusiasts much more rapidly than in the past. The reason lies in the speed of radio. In Sydney and in the country towns scores come through by telegraph with reasonable speed and anyone who chooses to arrange for the despatch of a telegram can keep well informed on the progress of a match.

The Australian broadcasting stations, however, are going one better, and already, before the tests have started, followers of the Australian XI. are receiving by wireless, the detailed scores in the matches against the English Counties. At any point in the State—throughout Australia in fact—the owner of a radio set can tune in to either of the Sydney Stations (Farmer's or Broadcasters) at 11 a.m. each morning and pick up the full stumps drawn scores. Again at 1.10 p.m. any later information that may have arrived is broadcast and at 7.15 p.m. a further talk on cricket is given.

Owners of radio sets, of course, are not limited to cricketing information. Racing results and all forms of sport are now a feature of both the Sydney broadcasting stations. In respect of racing talks, it is of interest to note that within the last week an Ex-Superintendent of Police has made a stern protest against this form of broadcasting. In the opinion of this ex-police officer, the dissemination of racing information by wireless is doing much harm.

Opinions, of course will vary; one thing is certain — interest is certainly stimulated by the broadcasting of sport, and the experience of newspaper writers is that after picking up the result of a race or match on the radio, listeners look for details in the printed report with added zest.

3LO, MELBOURNE, HONOURED.

The old-established "Wireless World," England, which carries a weight as wide as its title reproduces a photograph of 3LO, Melbourne's officials, and others on the occasion of broadcasting the diver's talk from the bed of the Yarra, with a note that it was "A hint for the B.B.C." The Australian broadcasting station, 3LO, recently scored a success by transmitting an underwater talk by a diver." It must be gratifying to 3LO, Melbourne to be described as the Australian Broadcasting Station, and held up as a mode to the B.B.C.

15/6 - K & C - 15/6

The K & C Special Headset is a really quality headset at a quantity price. Buy a K & C Headset once and you will not require any other.

They last a lifetime. Resistance 2000 ohms. Also see the K & C single headset.

This has been designed for the person who prefers only one earpiece. Resistance, 1000 ohms, Headbands leather covered. The K & C Single Headset 9/6

—FOR THE HOME SET BUILDER—

	s.	d.		s.	d.
Genuine Bakelite: Bakelite Dilecto (red line), price per sq. inch, 3/16in 1 1/2d;			Contact Stops: Nickel Plated with nuts, dozen	0	4
1/8in. per sq. inch	0	3	Switch Arms: Complete with knob, each	0	9
Winding wires: Double Cotton Covered.			Rheostats: Ajax 30 or 6 ohms, each . .	2	1
Gauge 16 18 20 22 24 26 28			Potentiometers: Ajax 400 ohm, each . .	3	0
per lb. 3/- 3/3 4/- 4/9 6/3 7/3 8/8			Valve Sockets: Standard American . .	1	11
Buswire: High grade round Copper tinned in 2 foot lengths, per dozen . .	0	11	Valve Sockets: Standard 199 pattern	1	6
Buswire: High grade square Copper tinned in 2 foot lengths, per dozen . .	0	10	Valve Sockets: Porcelain H & H American	4	0
Solder: Belden resin core solder in 18 inch lengths, per length	0	3	Valve Sockets: Porcelain 199 rubber cushioned	3	3
Kester Solder: Highest Grade in tins . .	2	0	Valve Sockets: English Base Mounting	1	3
Copper Lugs: Small tinned copper lugs, dozen	0	2	Amperites: The Automatic Filament Control	8	0
Contact Studs: Nickel Plated with nuts, dozen	0	4	Carborundum Detectors: The only fixed Detector	11	0

Country Clients: Carriage paid on orders 10/- and over except on Batteries and Speakers.

"Yours for Lower Prices."

The ECONOMIC RADIO STORES

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Between Pitt & George Sts. (Near School of Arts)

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NEWCASTLE

Phone M 3049

Phone, Newcastle 1622

Broadcasting Notes from 3LO

BOUQUET FROM NEW ZEALAND.

For every one critic of broadcasting programmes, 3LO, Melbourne, has the satisfaction of receiving about a hundred eulogistic letters each day. One of these writes: "As an offset to any criticism you may be receiving from Australia, I would like to say that I listen with a great deal of pleasure to the items you broadcast, and they are almost uniformly good. If some of your Australian listeners-in lived in New Zealand and had to pay as we do 30/- per annum license fee and found that 50 per cent. of the concerts were from the gramophone or mechanical player, and further



Mr. Leo Darnton, a member of the Gilbert and Sullivan Opera Company, possesses a robust and mellow tenor voice, most pleasing to listeners from 3LO.

that the concerts are broadcasted four nights a week only, they would have something to grumble at. I can get your concerts quite easily off a two valve set with telephones, and assure you that, were it not for the Australian concerts, it would scarcely be worth my while keeping my set in operation." The correspondent is Mr. Hudson, of the well known Hudson's Confectionery Manufacturing firm in Dunedin.

GIVING IT A NAME.

In arranging the comprehensive broadcasting programmes provided by 3LO, Mr. Lewis, who is responsible for most of the engagement of artists and the allocation of items, has always managed to imbue some definite atmosphere and individuality

in each night's entertainment. Now he is giving each programme a distinctive name. Here are some of them: "Call it what you will"; "Something Scotch"; "Pot Pourri"; "Sport and Jazz"; "Melodies and Memories"; "On with the Dance—Let Joy be Unconfined," etc. Mr. Lewis is unrivalled in the preparation of "special" nights. His Anzac Day Concert programme entitled "A Day in the Life of a Digger" was little short of a masterpiece.

LEAVE IT TO JANE.

With the exception of transmissions from the Tivoli vaudeville theatre, there has been little theatrical matter in broadcasting programmes recently. A few weeks ago there were regular transmissions from various J. C. Williamson Theatres, but lately the shows have not been suitable for broadcasting, and the Gilbert and Sullivan operas have a clause in copyright forbidding their transmission by radio. However, the drought will be broken on Saturday, June 5th, when 3LO, Melbourne will broadcast the first act of the new musical comedy "Leave it to Jane" which is to be produced at the Theatre Royal on that date. The new show abounds in pretty melodies and clever comedians. Many old theatrical favourites make a reappearance. Hugh Steyne, Cecil Kelloway, Leyland Hodgson, Harry Wooton and Athol Tier have all appeared both in Melbourne and in broadcasting programmes before. Athol Tier was last seen as a comedian on the Tivoli circuit. He is principal comedian in the new show and was a huge success in Sydney. Dorothy Lena is a new leading lady who has not previously been seen in Melbourne.



Angela Baddely, a brilliant and charming young actress heard from 3LO. She has played every sort of part in every sort of play from children's revue to Ibsen's drama.

BURGESS—"Standard of Comparison"—BATTERIES

— BUILD YOUR OWN —

8 VALVE SUPER HETRODYNE RECEIVER

The ALL AMERICAN SUPER—FINE PARTS represent the highest expression of ALL-AMERICAN RELIABILITY through Precision MANUFACTURING. Maximum amplification at intermediate frequencies, with absolute quietness of operation.



PRICE:

£10/5/-

PRICE:

£16/5/-

The kit consists of one—10,000 metres TRANSFORMER (filter or input), Three LONG wave Intermediate Frequency Transformers of amplification at 4,000 to 20,000 metres. One Radio Frequency Coupler (Oscillator or coupler) giving a UNIFORM OUTPUT at 150-650 metres.

TRADE ENQUIRIES SOLICITED.

AMPERETES: The Automatic Filament Control for 159 or 201A valves . . . 8/- each

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WILES' WONDERFUL WIRELESS and ELECTRICAL STORES

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Head Office and Shop: Pitt and Goulburn Streets, SNEY.

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EASY TO BUILD—EASY TO USE

The WONDERTONE HOME CONSTRUCTION RECEIVER is easy to build and easy to use, as the plan and building instructions are so clear and explicit that you cannot make a mistake. Letters of appreciation are continually arriving from all parts of the Commonwealth singing the praises of the excellent results being obtained with the WONDERTONE HOME CONSTRUCTION RECEIVERS.

The Accessories, including EVERYTHING ready for assembling and using, such as—Stained Maple CABINET Bakelite PANEL, Drilled and Engraved, VALVES, A & B BATTERIES, BATTERY WIRES, VOLTMETER, HYDROMETER (with Accumulator type), HEADPHONES, SOLDERING IRON, SOLDER, SCREWS, AND AERIAL EQUIPMENT.



Illustration of a completed "Wonderone" 4 Valve Set.

PRICES—

1 Valve, Dry Cell Type	£7 9 0	2 Valve, with 40 Ampere Hour Accumulator	£12 10 0
2 Valve, Dry Cell Type	£10 12 0	3 Valve, with 60 Ampere Hour Accumulator	£15 10 0
3 Valve, Dry Cell Type	£13 5 0	4 Valve, with 80 Ampere Hour Accumulator	£20 10 0
4 Valve, Dry Cell Type	£18 4 0	5 Valve, with 80 Ampere Hour Accumulator	£24 3 8
5 Valve, Dry Cell Type	£21 8 0		
1 Valve, with 40 Ampere Hour Accumulator	8 4 6		

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The most complete line of Radio Products in
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Write for Special Catalogues.

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Your Boy Knows!



THOUGH you may not understand wireless technicalities, your boy does, and probably knows, too, that Ediswan accessories are best.

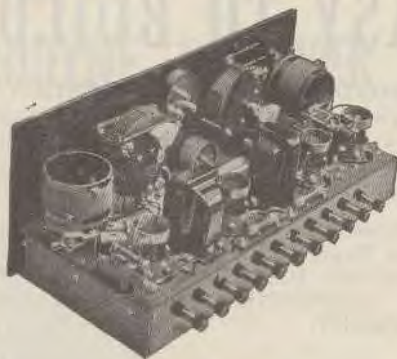
The long life and dependability of your set lies in the components used, so be certain they are—

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WIRELESS ACCESSORIES

EDISON SWAN ELECTRIC CO. LTD.,

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and at Melbourne, Brisbane, and Adelaide.



General Radio Universal "Four"

3LO, 4QG or any interstate station you require on loud speaker strength—an extremely efficient and highly selective four-valve broadcast receiver possessing great range and quality of reproduction. Wave length range of 150 to 600 metres with a phone range of 2000 miles. Built entirely of General Radio precision components. One of many features embodied in this set is the ease with which local interference can be eliminated. David Jones' are sole distributors for Sydney. Price, set, complete with accessories, loud speaker, batteries, phones etc., £47/10.

DAVID JONES'

A HUMOROUS ARTIST.

Elocution is all right if done well, is the opinion of listeners-in. There will be nothing but approval, however, on the inclusion of elocutionary items by Keith Desmond in 3LO's programmes during the next week or so. This artist has met with great success in a field where elocution is not usually appreciated, and where it has to be absolutely faultless to succeed—that is the vaudeville theatre. After touring the best English variety theatres Keith Desmond played the Tivoli circuit with increasing popularity, and he received rapt attention for items which would have drawn disturbing giggling in the gallery if done by less proficient artists. Mr. Desmond is the composer of many clever elocutionary studies, his humorous number, "The Death of Nelson" being especially bright.

MR. ANDREWS BLUSHES.

Mr. Andrews, of 3LO, blushed when he received this note from a spot in one of the isolated districts in New Zealand. "Dear Announcer, I am writing to tell you how much we appreciate hearing your cheery, friendly voice, and the splendid programmes you send us over the air. We are living right out in the country on a small dairy farm almost isolated in wet weather because of the dreadful state of our so-called roads. So you can imagine what a treat it is to tune in 3LO and listen to your high class music, etc. We have a three valve set and get splendid results. In fact, it seems sometimes as if you were in the next room."

PLEASE LET ME PAY.

Conscientious people really do exist nowadays, and in the midst of every-day discoveries of people who want something for nothing it is refreshing to find somebody who go to the other extreme in their principles. It was only recently that 3LO received a request from a Queenslander that he might be allowed to pay a license fee for the programmes which he enjoyed so much. Now comes a similar instance from Fiji. Mr. Geo. Worledge, a wireless enthusiast in Lautoka writes: "Your transmission continues to be strongly and clearly received here, but is prone to fading." He then aired a few criticisms and went on to say: "This criticism may strike you amiss from a 'pirate,' but personally if you can indicate how we local listeners can show our appreciation by contributing to your company by payment of license fees or otherwise I am sure that I can get two or three of my friends to join with me. We pay license fees in this colony and get no return. Perhaps it would be possible for Lautoka listeners

to scrape up say £5 to be used as a consolation prize in one or other of your competitions. If the idea is feasible please let me know and I'll see what can be done. We appreciate 3LO's uniformly good service and would like the opportunity of showing that appreciation in some tangible way."

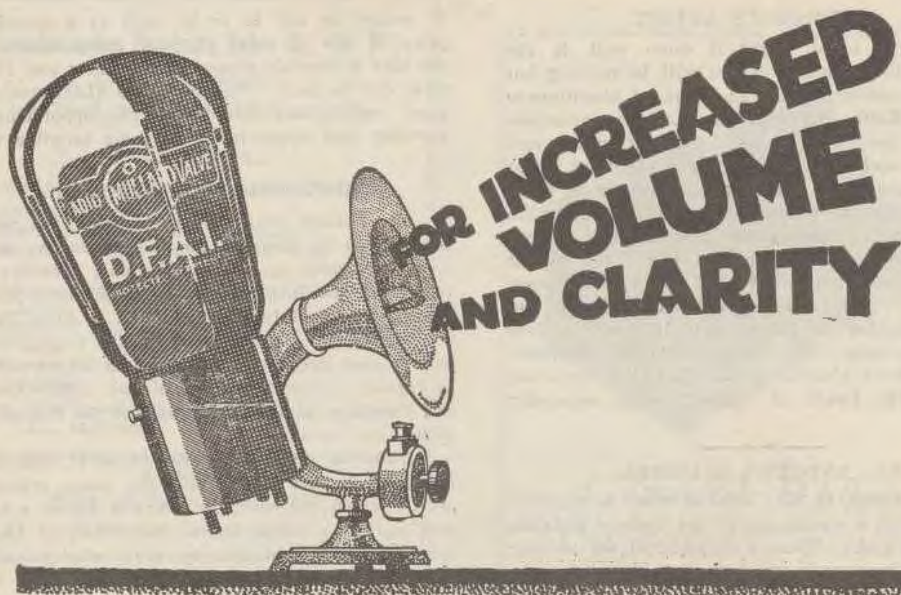
RETURNED FROM ENGLAND.

Mr. William Blogg, whose visit in 1924 will be remembered by many in the radio industry, has arrived here once again from England. For the past two years Mr. Blogg has spent considerable time in South Africa and India, in addition to Great Britain and European countries, studying the radio position, and he now intends settling down in his native land as factory representative for Messrs. Alfred Graham and Company, of London, makers of the famous Amplion Loud Speaker.

It is the intention of the house of Graham to adopt throughout Australasia the same system of service which has made the Amplion almost a household word in other countries. Particulars of Amplion service may be obtained by radio wholesalers and dealers from the sole distributors, Amalgamated Wireless (A/sia) Ltd., or direct from Mr. Blogg, whose business address is 9 Loftus Street, Sydney.



Mr. W. Blogg.



DESIGNED for power amplification with large loud speakers. When inserted in last L.F. stage of receiver gives pure and abundant volume.

MULLARD D.F.A. POWER VALVES.

- Type D.F.A. 0 (.35 amp.) for 4 volt accumulator 13/6
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GET ONE FROM YOUR RADIO DEALER.

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MULLARD VALVES CAN BE OBTAINED FROM ALL RADIO AND ELECTRICAL DEALERS

Advertisement of the Mullard Wireless Service Co. Ltd., Balham, London, S.W. 12 ENGLAND

SUCCESSFUL EXPERIMENTER

Mr. Bates, who won the second prize for the best constructed short wave receiver, is one of the keenest members of the Croydon Radio Club. A



radio experimenter of many years' standing, and a willing worker. Mr. Bates, we understand, is shortly leaving for America, and we take this opportunity of wishing him every success.

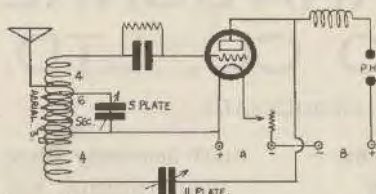
DETAILS OF MR. BATES' SHORT WAVE RECEIVER.

The circuit employed is the well known Reinartz hook up with a slight alteration of the aperiodic aerial arrangements. This coil is wound in with the secondary and plate coil as shown in sketch thereby eliminating the effects of vibration.

The components of the set are viz:—

- 1 .0025 variable condenser.
- 1 5 plate straight line frequency condenser.
- 1 .00015 fixed grid condensers.
- 1 201A valve and socket and rheostat.
- 1 150 turn on $\frac{1}{2}$ inch ebonite tube choke.

The ends of choke tube are fitted with the split legs of disabled English valves which plug



(Editor's Note.—The positive "A" terminal must be connected to earth.)

in to two sockets mounted on a strip of ebonite.

Tuning and plate condensers are mounted away from panel and expansion rods to dial are connected by means of a $\frac{1}{4}$ inch ebonite tube. This eliminates much of the hand capacity.

Aerial used with set 163 feet (to earth) single wire, 16 gauge, average height 35 feet.

Stations heard include China, Russia, Germany, England, Argentine, Canada, U.S.A., Java, Philippine Islands, New Zealand, Netherlands, Scandinavia, Greece, totalling something over 600 within twelve months, chiefly on the 38-42 metre and 76-85 metre bands (Commercial and Amateur).

All tuning coils covering various wave bands are wound with 20 D.S.C. wire.

A CORRECTION.

Due to an error on the part of the printer, a regrettable mistake crept into the Editorial on page 5 of last week's "Wireless Weekly." In the first to last paragraph appears the following:—" . . . it is significant of the attitude of those companies controlling inter-state shipping, etc." This should have read "those companies controlling intra-state shipping, etc."

SHIP WORKING WITH LOW POWER.

Some surprising results with a $\frac{1}{4}$ k.w. set manufactured by the Radio Communication Co. Ltd., are reported by the operator on board the S.S. Queenswood, which has recently been fitted with the apparatus.

The following extracts from the operator's log relate to performances during broad daylight:—

January 10th—worked San Paulo, Brazil, at 700 miles.

January 12th—worked another ship at distance of 800 miles.

February 13th—worked Otchishi Radio, distance 800 miles.

February 18th—worked San Paulo, Brazil, at 540 miles.

To cover these distances in daylight, it has generally been necessary to employ sets ranging up to 1 $\frac{1}{2}$ kilowatts.

DEATH OF "LUSITANIA" OPERATOR.

An echo of the sinking of the "Lusitania" was provided recently by the death of Mr. A. E. Sargent, of Rushden, England, who was first wireless operator on the ill-fated vessel.

BURGESS—"They're on the Leviathan"—BATTERIES

Supertran "Mica Insulated"

Audio Transformers



Supertran 25/- each

Ratios $3\frac{1}{2}$ -1
5-1

After exhaustive tests and investigation a new type of insulation, a mica compound, used on the core laminations and bobbins, has been found to eliminate interstage howling, guaranteeing much smoother reception with pleasing clarity of amplification on distant reception. It also allows greater battery voltages to be applied without risk of interwinding breakdown.



FMC 18/6 each

Ratios $3\frac{1}{2}$ -1
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Type 51, 30/-

The Orthophonic Transformer.

Ratio, 5 to 1 only

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BRIGHT STAR "B" BATTERIES. . .

No. 30-05, 45 volts, 30 cells. Six positive brass screw terminals, giving 16½, 18, 19½, 21, 22½ volts from the negative. The tops make it suitable for soft detector tubes. Gives most economical service on three and five valve sets. Length 6½ x width 8 x height 3. Weight 9½ lbs.



All Bright Star products are carefully adjusted and thoroughly tested by their expert engineers before leaving their factory. Products are guaranteed against faulty workmanship and defective parts. Should any article of theirs be received in a defective condition, they will upon its return replace it free of charge. Agents: International Radio Co. Ltd.

NEW TIME INDICATOR.

In view of the uncertainty and confusion that frequently exists in the minds of many listeners-in as to the difference in time between various parts of the world, it is worth noting that we have just seen an advance copy of an excellent and simple indicator—"The World's Time Indicator." This is quite the best that has yet been produced, all the world times being clearly read at one setting, with no possible confusion of dates. It has been designed by Mr. T. Drummond, of Randwick, and the sole distributing rights have been secured by Mr. R. H. Young, Newsagent, Royal Arcade, Sydney. The price of these articles is 1/- each.

GETTING DOWN TO IT.

A listener at Maniton, Colorado, has discovered that, by taking his broadcast receiver 2,000 feet down into a neighbouring cave, he eliminates atmospheric and interference from local oscillators. Unfortunately caves in Australia are few and far between.

A PERSONALITY IN THE WIRELESS WORLD.

Depicted here is Mr. H. J. Hapgood, one of the best known figures in the wireless industry in New South Wales. An American by birth, but Australian by instinct, Mr. Hapgood had extensive experience in the radio industry of the United States, before coming to this country three years ago. He was associated with the United Distributors Ltd., when that firm was established, and for over two years was manager of the Radio Department. Subsequently he relinquished that position to enter into business on his own account, and established in Challis House, Sydney, the firm of Manufacturers Products Sales Company, who are distributors for such well known lines as Clyde Batteries, Emmco Radio Products, Renrade, Advance, Radiokes, Neutron, etc.

At present Mr. Hapgood is conducting a tour of all States.



Mr. H. J. Hapgood.

PERSIAN WIRELESS STRIDES.

An unmistakable indication that Persia is endeavouring to keep abreast of Western civilisation is afforded by the news that the Government is erecting a large wireless station at Teheran, together with a chain of six smaller stations in other parts of the country. The Teheran station, it is hoped, will have a radius of communication extending as far as Paris.

The Persian War Ministry, which controls the stations, has established a large wireless training school.

BURGESS—"Over twice the Life"—BATTERIES



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ly every week?

The subscription
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HOWELL'S SALE & EXCHANGE

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

	£	s.	d.		£	s.	d.
3 Plate Condenser	3	0		4 inch Dials	2	3	
Spiffire Loud Speaker .. .	1	17	6	3 inch Dials	1	3	
"Jefferson" 41 Transformers ..	1	0	0	2 inch Dials	1	0	
"Ediswan" Transformers .. .	15	0		Premier 201A Sockets .. .	1	9	
12 Point Inductance Switches	2	6		Premier 199 Sockets	1	9	
Single Jack, 1/9; Double ..	2	0		.0005 Condensers	2	0	
Standard 201A Sockets .. .	1	6		7 Marked Mounted Terminals	3	0	
.0005 Straight Line Frequency				Bakelite Rheostat, 30 ohm. 3/-			
Low Loss Condensers	13	6		and	4	0	
.00025 Straight Line Frequency				Spaghetti, yard,	6		
Low Loss Condensers	11	6		Hydrometers	3	0	
Ediswan Valves	3	0		Lightning Arresters	2	6	
Polymet Phone Plugs	3	0		Dialog Dials	8	6	
Automatic Phone Plugs .. .	2	0					

Cash with order. Over 10/-, post free
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There's Nothing Better — Let us Rewire your Set
WE GUARANTEE RESULTS.

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No
More
Distorted
Music



Even the poorest Receiver with its harsh repro-
duction can be converted into a mellow-toned
musical instrument with the new—

MACLURCAN

TONE PURIFIER AND STATIC REDUCER

(Patent app. 26131)

NOW READY FOR SALE PRICE 21/- WITH A MONEY
BACK GUARANTEE

— AN EMMCO PRODUCT —

Particulars from

CHAS. D. MACLURCAN
PRATTEN BUILDING JAMIESON ST., SYDNEY

Manufactured by Electricity Meter Mfg. Co. Ltd., Sydney

ELECTRAD

Certified Radio Products

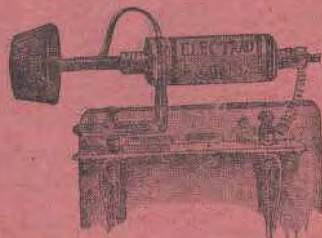
Electrad Certified Condenser

The Six Pressure Points—Ingenious riveting and binding method fastens parts securely at six different points and exerts EVEN PRESSURE upon the largest possible surface.

Thin sheet copper is used in place of tin-foil. A slip of the soldering iron cannot damage the copper and thereby ruin this condenser.



.001	• • •	Price 2/6
.0025	• • •	„ 3/-



Electrad Audiohm

Converts noisy distorted volume into clear true tones by a simple twist of adjusting knob. Mount across secondary of your audio transformer as illustrated. Price 9/-



Electrad Glass Grid Leaks

Electrad Grid Leaks are made by a new and controlled process. Each Grid Leak is individually tested before it leaves the Electrad factory. They are non-microphonic and moisture proof, while the resistance is constant.

Sizes 1/2 to 5 megohms, plain. Price 2/3
 Sizes 1/2 to 5 megohms, de luxe. Price 3/9



Electrad Lightning Arrester

Consists of an air gap between two copper conductors, arranged in an improved manner, so that it is impossible for the spacing of the gap to vary. It is then hermetically sealed and the gap is therefore absolutely watertight. The housing protecting the air gap is moulded in glazed porcelain with highly ornamental finish. These arresters comply with Fire Underwriters regulations.

Price 4/-

OBTAINABLE AT ALL RADIO DEALERS

Amalgamated  Wireless
 (Australasia) Ltd.

167-9 Queen St., Melbourne

97 Clarence St., Sydney

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Improve Your Radio Equipment



Under our

EASY PAYMENT SYSTEM

You can purchase any of the following goods:—

C.A.V. ACCUMULATORS.

6 volt, 40 amp. . . . £3/5/-
 6 volt, 60 amp. . . . 3/15/-
 6 volt, 88 amp. . . . 4/10/-
 60 volt, "B" Battery 5/5/-

ELECTRON BATTERY CHARGER.

2½ amp. Price .. £7/10/-
 Saves time and inconvenience

AMPLION LOUD SPEAKERS

Dragon Fly £1/15/-
 Junior 3/10/-
 Junior De Luxe . . . 4/-/-
 "Dragon" AR19 . . . 6/10/-

PHILCO BATTERIES.

90 volt Wet Accumulator
 Price £8/15/-

PHILIPS BATTERY CHARGER

1.3 amp. Your battery never runs down.
 Price £6/10/-

PHILIPS BATTERY ELIMINATOR.

Does away with "B" Batteries, and worry. Gives better reception.
 Price £8/15/-

THAT WONDERFUL SET. THE 5 VALVE "SUPER."

Interstate stations positively tuned in as easy as 2BL. SEE IT, HEAR IT.
 Price complete .. £37/10/-

GRAMOPHONES AND RECORDS. ALL THE LATEST HITS.

TERMS: On any of the above, 10% DEPOSIT, balance over twelve months. SEE US FOR FURTHER PARTICULARS.

THE HOUSE OF RADIO THAT SATISFIES

Opp. Crystal Palace Theatre :: ONE ADDRESS: 503 GEORGE ST., SYDNEY :: Phone City 870

From Here and There

"WIRELESS."

A NEW RADIO TEXT BOOK.

"Wireless," a new radio text book by J. W. Robinson (Director, Queensland Radio Service) and G. Williams (Instructor, Marconi School of Wireless) is a work which should appeal to every radio enthusiast.

It has been written by two Australians who claim that it is the first serious attempt to produce a wireless text book in Australia. The authors have not attempted to compile a huge and deeply technical work but they point out that they have endeavoured to present in popular form a technical subject.

Commencing from the early forms of frictional electricity the student is taken step by step right through to the principles underlying the operation of modern types of receivers. All wireless laws are referred to and described in a thorough yet simple manner.

One of the most interesting features of the book is that wherever any particular electrical law is referred to the instruments which obey it and which are met with in wireless are described. For instance, when induction is explained the induction coil is faithfully described and explained also, and so on.

The book is well printed and profusely illustrated. None of the drawings in it has been merely lifted from other wireless papers but all have been carefully designed and drawn by the authors themselves.

The book contains an excellent chapter on broadcasting which is alone worth its price. Tables of amateur call signs, land and ship station call signs are given and are alphabetically arranged. This feature alone makes it a useful addition to the enthusiast's library.

In placing the book before the public, the authors express the hope that Australians will support what is an endeavour to produce an Australian standard work.

The wholesale distributors are McLeod and Co. Brisbane, from whom radio dealers may obtain supplies. Copies may be purchased from the Read Press Ltd., Brisbane, price 3/6, posted 4/-.

ARCTIC TALKS.

Will Mr. J. M. Prentice delight a vast and interested audience with Arctic Talks? If so, let us hope his first will deal with that most fascinating of 11 a.m. topics, "Polar Bears."

INCREASE IN LISTENERS.

Since the opening of the high powered station 4QG, radio has increased its popularity with leaps and bounds. The radio dealers in Brisbane generally do most of their business during the lunch hour, and after 5 p.m., at which times there is a regular stampede, small boys wanting parts for crystal sets and older folks getting their parts for neotrodynes. The country people too are also being bitten in scores by the radio bug. Most of the rural and agricultural papers have their radio page. It is an understood thing that, when radio advances to that stage, relaying stations will be established throughout Queensland. Thus the big station will be taken further into the back blocks. This step will have to be taken because of static and other summer tropical troubles. In winter, the station can be heard without relaying at any town in Queensland on practically any type of valve receiver.

MOST POPULAR STATION.

It is a general question among radio fans in Queensland nowadays as to which station is the most popular amongst them. Considering the power and the excellent programmes that 3LO provides, this station is the most popular. 2FC is, since the opening of the new station at Pennant Hills, a very close second. It may be said that 2FC is the most consistently listened to station of the Interstates, as persons not in possession of neotrodynes, etc., have no chance if receiving any of the Interstate stations operating on wavelengths close to that of 4QG; that is, if they reside in the city of Brisbane.

2BL's programmes are very popular, and to persons interested in jazz music, the Ambassadors is a real favourite. 5CL and 3AR are on about the same par with regard to programmes, but the transmission from 5CL is usually better than from 3AR.

In fact, the interest taken by Queenslanders in 3LO is tremendous, and no one would be surprised if a Queenslanders wins the programme competition that is being held in connection with that station.

MINSTREL TROUPE.

Saturday, June 12th, will see Broadcasters' Minstrel Troupe, under the direction of Mr. Hartley Court, and 'Briga' will continue his talks on "Australian Life and Scenery."

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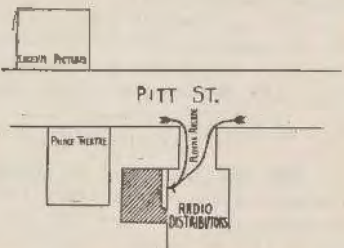
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WIRELESS OFFICERS.

List of marine staff changes for week ending May 20th, 1926:—

- S. Kings signed on "Zealandia" in Fremantle.
 R. M. Johnson signed off "Zealandia" in Fremantle.
 M. A. MacGoun signed on "Hobson's Bay" as 3rd wireless officer in Sydney.
 S. F. Stafford signed off "Kaitangata" in Wellington.
 S. Kings signed off "Zealandia" in Sydney.
 W. J. Washburne signed on "Zealandia" in Sydney.
 H. B. Allen signed off "Nairana" in Melbourne.
 E. T. Prentice signed off "Arafura" in Sydney.
 F. Ouvrier signed on "Arafura" as senior in Sydney.
 J. R. Hains signed on "Arafura" as 2nd wireless officer in Sydney.
 L. K. Conner signed on "Arafura" as 3rd wireless officer in Sydney.
 F. Ouvrier signed off "Marsina" in Sydney.
 E. T. Prentice signed on "Marsina" in Sydney.
 J. A. Guy (Beam Service) signed off "Momba" in Sydney.
 W. F. J. Milne (2nd) signed off "Largs Bay" in London.
 A. A. Grundy (3rd) signed off "Largs Bay" in London.
 D. N. Quinn (2nd) signed on "Largs Bay" in London.
 W. P. Darcy (3rd) signed on "Largs Bay" in London.
 J. R. Hain signed off "Cycle" in Newcastle.
 E. A. Roberts signed off "Aldinga" in Newcastle.
 K. H. McSwan signed off "Iron Baron" in Sydney.
 S. G. White signed off "Period" in Melbourne.
 J. Lloyd Jones signed off "Ashridge" in Melbourne.
 T. H. McWilliams signed off "Waitomo" in Wellington.
 F. N. Davidson signed off "Kawatiri" in Wellington.

OPTIMISTIC.

"Wireless World" says that the B.B.C. are calling for reports from British listeners on the reception of 2FC, Australia. "Wireless Weekly" would welcome any reports from Australian listeners regarding transmissions from the Iceland station, Skejvik.



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SATURDAY, JUNE 5.

Morning Session.

- 10.—The Chimes of 2FC and Announcements.
- 10.10.—Weather Information, Commercial News, Shipping Intelligence, Market and News Session.
- 11.—Cables.
- 11.5.—Cricket Talk.
- 11.15.—Gardening Talk.
- 11.30.—Close down.

Midday Session.

- 12.55.—The Chimes of 2FC and Announcements.
- 1.—Morning Call Stock Exchange. "Evening News" news service, weather information, Commercial News. Race Results interspersed with musical items. Close down.

Afternoon Session.

- 3.—The Chimes of 2FC and Announcements.
- 3.5.—During the interval between Race Results, musical items will be given from the Studio. From the Sydney Cricket Ground, a description of the play will be given of the League Football Match between N.S.W. and Queensland.

- 4.30.—Sporting Results.
- 5.—Close down.

Early Evening Session.

- 6.—The Chimes of 2FC and Announcements.
- 6.5.—The "Hello Man" talks to the Children.
- 6.45.—Broadcast from the Hotel Australia, Orchestral Items.
- 7.15.—"Evening News" news service, and sporting information.
- 7.30.—Close down.

Night Session.

- 7.55.—The Chimes of 2FC and Announcements.
- 8.—Broadcast from the Town Hall, Rockdale. Scottish Concert by the Rockdale District Scottish Association. The following artists will perform: Mr. Oliver King, bass; Mr. William Green, tenor; Miss Helena Stewart, soprano; Miss Rosina Smith, contralto—Songs at the Piano—Mr. Bruce Clark; Items by the Scottish Pipe.
- 10.15.—Broadcast from the Wentworth Hotel, Sydney. Wentworth Cafe Dance Orchestra, under the baton of Mr. Sydney Simpson.
- 11.15.—National Anthem—Close down.

SUNDAY, JUNE 6.

Morning Session.

- 10.45.—The Chimes of 2FC and Announcements.
- 10.50.—Cricket News.
- 11.—Broadcast from St. Andrew's Cathedral. Morning Service.

- 12.15.—From the Studio—News Service.
- 12.50.—Close down.

Afternoon Session.

- 2.55.—The Chimes of 2FC and Announcements.
- 3.—Broadcast from the Lyceum Hall. A pleasant Sunday afternoon programme arranged by Mr. Bennett North.
- 4.30.—From the Studio—The Boy Chorists—Master Jack Lyons—soprano; Master Alan Mactavish—alto.
- 4.45.—Close down.

Evening Session.

- 6.40.—The Chimes of 2FC and Announcements.
- 6.45.—Organ Solos by Miss Lillian Frost.
- 7.—Evening Service, broadcast from the Pitt Street Congregational Church.
- 8.30.—Broadcast from the Grand Opera House. Band Concert by the N.S.W. State Military Band.
- 10.—Close down.

MONDAY, JUNE 7.

Morning Session.

- 10.—The Chimes of 2FC and Announcements—Time Signals.
- 10.10.—Weather Information, Commercial News, Shipping Intelligence, Market and News Session.
- 11.—Cables.
- 11.30.—Close down.

Midday Session.

- 12.30.—The Chimes of 2FC and Announcements.
- 12.35.—Morning Call Stock Exchange.
- 12.40.—Musical Items from the Studio.
- 1.—Time Signals.
- 1.5.—"Evening News" News Service, Weather Information. Musical Items interspersed with Race Results.
- 2.—Close Down.

Afternoon Session.

- 5.—The Chimes of 2FC and Announcements.
- 5.5.—During the interval between race results, musical items will be given from the Studio. From the Sydney Cricket Ground, a description of the play will be given of the League Football Match between N.S.W. and Queensland.
- 4.30.—Sporting Results.
- 5.—Close down.

Night Session.

- 7.30.—The Chimes of 2FC and Announcements. Broadcast from the Town Hall, Wollongong. Items from the Eisteddfod held by the Illawarra District Eisteddfod Society. This transmission will be carried out over a land line of 80 miles.
- Section 62. Champion Recitation "The Death Race" (Hawkey). First Prize £1/0/-, and Cert. 2nd 5/-; Section 12; Ladies Duet (open) "Own Choice" First Prize £2, second 5/-; Section 26; Gent's Champion Solo, "Own

- Choice." Must be taken from Grand Opera. First Prize £3, second £1. Section 25; Ladies' Champion Solo—"Own Choice" must be taken from Grand Opera. First Prize £3, second £1. Section 51; Piano Duet (open) "Hakooky March" (Berlioz). No. 38 Faling's Duet Series. First Prize £2, second 10/-.
- Section 1; Chief Choral (not less than 34 voices). (a) The Challenge of Thor (Elgar). (b) Moonlight (Eaton Fanning). Prize three or more choirs. First Prize £60, and right to hold Faling Cup for 12 months, Second Prize £10. Two Choirs First Prize £40. Sydney Harmonic Society's Choir (Conductor, Mr. W. Bourne). Illawarra District Choir (Conductor, Mr. G. Easton). Nth. Illawarra Harmonic Society (Conductress, Mrs. Miller). Choirs to draw for places.

- 10.—From the Studio—Items by the 2FC Dance Band.
- 11.—National Anthem—Close down.

TUESDAY, JUNE 8.

Morning Session.

- 10.—The Chimes of 2FC and Announcements—Time Signals.
- 10.10.—Weather Information, Commercial News, Shipping Intelligence, Market and News Session.
- 11.—Cables.
- 11.5.—Cricket Talk.
- 11.15.—Cooking Talk and Recipes by Miss Ruth Fenn.
- 11.30.—Close down.

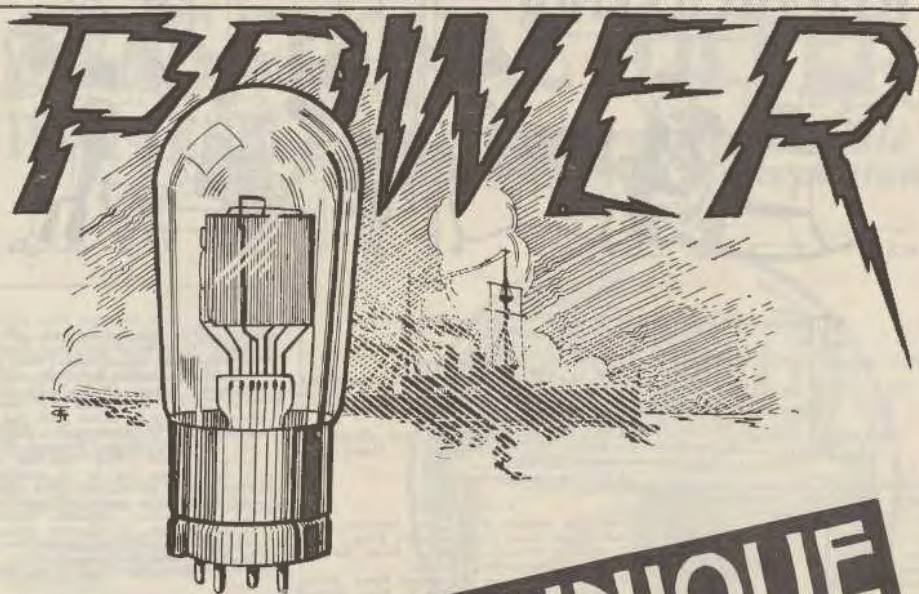
Midday Session.

- 12.30.—The Chimes of 2FC and Announcements.
- 12.35.—Morning Call Stock Exchange.
- 12.40.—Musical Items from the Studio.
- 1.—Time Signals.
- 1.5.—"Evening News" News Service, Weather Information, Commercial News, Musical Items.
- 1.30.—Noon Call Stock Exchange. Musical items from the Studio.
- 2.—Close down.

Afternoon Session.

- 3.—The Chimes of 2FC and Announcements—Time Signals.
- 3.5.—A Violin Recital by the Pupils of W. J. Reeves.
- 3.30.—Oak Hall Trio.
- 3.40.—From the Tea Rooms, Miss Gwen Brown, Mezzo.
- 3.45.—Oak Hall Trio.
- 3.55.—Musical Items from the Studio.
- 4.—Miss A. Melhuish, soprano.
- 4.5.—Oak Hall Trio.
- 4.15.—Musical Items from the Studio. From the Oak Hall, Miss Gwen Brown, mezzo.
- 4.25.—Oak Hall Trio.
- 4.40.—From the Tea Rooms, Miss A. Melhuish, soprano.
- 4.44.—Afternoon Call Stock Exchange.
- 4.45.—Close down.

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Early Evening Session.

- 6.—The Chimes of 2FC and Announcements.
6.5—The "Hello Man" talks to the Children.
6.45—Broadcast from the Hotel Australia, Sydney—Orchestral Items.
7.15—"Evening News" news Service, and Sporting Information.
7.30—Dalgely's Market Reports (wool, wheat, stock), fruit and vegetable markets.
7.40—Close down.

Night Session.

- 7.55—The Chimes of 2FC and Announcements.
8.—From the Studio—Miss Marie Bremmer, soprano (by permission of J. C. Williamson).
8.8—Mr. Lionel Lawson, violin solos.
8.15—Broadcast from Beale's Concert Salon—Items by the Australian Composer's League Concert, arranged by Brydon Taylor. (a) PianoForte Solos; (b) Three Contralto Songs; (c) Australian Poems; (d) Baritone Song Group; (e) Violin Solos; (f) Soprano Song Group; (g) Piano Solos.
9.—From the Studio—Randwick Municipal Band.
9.20—Miss Marie Bremmer, soprano.
9.28—Randwick Municipal Band.
9.52—Mr. Lionel Lawson, violin solos.
10.—Randwick Municipal Band.
10.30—Broadcast from the Wentworth Hotel, Sydney, Wentworth Cafe Dance Orchestra, under the baton of Mr. Sydney Stimpson.
11.—National Anthem; Close down.

WEDNESDAY, JUNE 2.

Morning Session.

- 10.—The Chimes of 2FC and Announcements—Time Signals.
10.—Weather Information, Commercial News, Shipping Intelligence, Market and News Session.
11.—Cables.
11.5—Crocket Talk.
11.15—Cooking Talk and Recipes by Miss Ruth Furst.
11.30—Close down.

Midday Session.

- 12.30—The Chimes of 2FC and Announcements.
12.35—Morning Call Stock Exchange.
12.40—Musical Items from the Studio.
1—Time Signals.
1.5—"Evening News" News Service, Weather Information, Commercial News, Musical Items.
1.55—Nonn Call Stock Exchange; Musical Items from the Studio.
2—Close down.

Afternoon Session.

- 3.—The Chimes of 2FC and Announcements.
3.5—A Recital by the Students of Mr. W. J. Caspers.
3.30—Oak Hall Trio.
3.40—Miss Sybil Atholwood, mezzo.
3.45—Oak Hall Trio.
4.—Miss Jeanne Slopoffski, soprano.
4.5—Oak Hall Trio.
4.15—Music from the Studio.
4.20—Miss Sybil Atholwood, mezzo.
4.25—Oak Hall Trio.
4.35—Music from the Studio.
4.40—Miss Jeanne Slopoffski, soprano.
4.45—Afternoon Call Stock Exchange.
4.45—Close down.

Early Evening Session.

- 6.—The Chimes of 2FC and Announcements.
6.5—The "Hello Man" Talks to the Children.
6.45—Broadcast from the Hotel Australia, Orchestral Items.
7.15—"Evening News" News Service, and Sporting Information.
7.30—Dalgely's Market Reports (wool, wheat, stock), fruit and vegetable markets. Close down.

Night Session.

- 7.55—The Chimes of 2FC and Announcements.
8.—Mr. Ernest Archer, tenor.
8.10—Broadcast from the Adyar Hall, Vocal Recital by Madame Bennett North (a) "Mon coeur c'ouvre a sa voix" (by request) (Saint-

- Saens); (b) "Seguidilla" (Carmen) (Bizet), Madame Bennett North.
8.22—Solo Violin, "Mazurka" (Dukla), Miss Mary Judd.
8.27—Recital—"The Princess and the Night-logic" (Maughan), Miss N. Ferguson.
8.32—Songs, (a) "The Trouble of Spring" (Palmer); (b) "The Cradle Song" (1915), Kretzler; (c) "Sea Wrack" (Harty), Madame Bennett North.
8.57—From the Studio, Miss Erna Living and Miss Beavis Camper in the Quarral Scene from Die Meistersinger.
9.—Mr. Ernest Archer, tenor.
9.15—Broadcast from the Sydney Town Hall—Catholic Jubilee Concert comprising a Choeur of 700 voices, and Orchestra of 25 with items by Harry Thomas and other artists.
9.—From the Studio—Humorous recitation "Mo Pinter"—Miss Erna Living.
10.10—2FC Dance Band will play Dance Music till 11.0.
11.—National Anthem—Close down.

THURSDAY, JUNE 10.

Morning Session.

- 10.—The Chimes of 2FC and Announcements.
10.10—Weather Information, Commercial News, Shipping Intelligence, Market and News Session.
11.—Cables.
11.5—Crocket Talk.
11.15—Musical Items.
11.30—Close down.

Midday Session.

- 12.30—The Chimes of 2FC and Announcements.
12.35—Morning Call Stock Exchange.
12.40—Musical Items from the Studio.
1—Time Signal.
1.5—"Evening News" News Service, Weather Information, Commercial News, Musical Items.
1.55—Nonn Call Stock Exchange; Musical Items.
2—Close down.

Afternoon Session.

- 3.—The Chimes of 2FC and Announcements.
3.5—A Violin Recital by pupils of Mr. Lionel Lawson.
3.30—From the Tea Rooms—Oak Hall Trio.
3.40—Miss Florence Grant, soprano.
3.45—Oak Hall Trio.
3.55—Music from the Studio.
4.—From the Tea Rooms—Miss Peggy Danbar, contralto, "Country Folk" (Brabe).
4.5—Oak Hall Trio.
4.15—Music from the Studio.
4.20—From the Tea Rooms—Miss Florence Grant, soprano.
4.25—Oak Hall Trio.
4.35—Music from the Studio.
4.40—From the Tea Rooms—Miss Peggy Danbar, contralto "Loch Lomond".
4.4—Afternoon Call Stock Exchange.
4.45—Close down.

Early Evening Session.

- 6.—The Chimes of 2FC and Announcements.
6.5—The "Hello Man" talks to the Children.
6.45—Broadcast from the Hotel Australia—Orchestral Items.
7.15—"Evening News" News Service, and sporting Information.
7.30—Dalgely's Market Reports (wool, wheat, stock); fruit and vegetable markets.
7.40—A Talk on Hamlet, by Mr. Walter Hunt, One of the Shakespearean subjects set down by the Department of Education.

Night Session.

- 7.55—The Chimes of 2FC and Announcements.
8.—Sydney Instrumental Trio—Mr. Lionel Lawson violinist; Mr. Gladstone Bell, cellist; Mr. Lindley Evans, pianist.
8.15—Broadcast from Paling's Concert Hall, programme by the Sydney Madrigal Society's Choir—Conductor, Mr. Frederick Newton.
8.45—From the Studio, Signor Alberto Marini, tenor.

- 8.53—Mr. Gladstone Bell—Cello solos.
9.3—Signor Russo, baritone.
9.10—The Always—Harmony Duo. (a) Duet, "Rose of My Heart" (Lohr); (b) "Marchosa" (Scherzinger); (c) "Dirty Hands and Dirty Face" (Monaco); (d) "Ten Little Fingers" (Nelson).
9.25—Mr. Lindley Evans, pianist.
9.35—Miss Linda Bradford, contralto.
9.42—Instrumental Trio.
9.54—Duet by Signor Russo, baritone, and Signor Alberto Marini, tenor.
9.58—The Always—Harmony Duo. (a) Duet, "Ten Ten Tennessee" (Meyer); (b) Solo—"Playthings" (Nicholls); (c) Mus. Monologue, "The Piquant of Li Fung Fu"; (d) Duet—"Sally" (Stanley).
10.10—Vocal Trio, Signor Russo, baritone; Signor Marini, tenor; Miss L. Bradford, contralto.
10.30—Broadcast from the Wentworth Hotel—Dance Numbers.
11—Close down.

2BL

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FRIDAY, JUNE 4.

Afternoon Session.

- 10.55—Special Cricket Session with Music from the Studio.
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; A talk on English Poetry by Mr. J. M. Prentice.
3.45—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 Mr. Ramon.
4.45—Music from the Studio.
5—G.P.O. Clock and Chimes; The Sun News Service.
5.15—G.P.O. Clock and Chimes; Close down. Early Evening Session.
6—G.P.O. Clock and Chimes; Sporting Resume from the Sun Newspapers; The pupils of Miss Monica Scully will entertain the Kiddies.
6.45—Broadcasters' Dinner Orchestra.
7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.
7.50—Close down.

Evening Session.

- 8—Dance Night with Mr. Cec. Morrison with his Gloomchasers and Mr. Morrison will play numbers requested by telephone. Miss Margaret Mackenzie, soprano and the Sporting Expert of the Sun, together with the Travelogue by Mr. J. M. Prentice.

SATURDAY, JUNE 5.

Afternoon Session.

- 10.55—Special 20 minute Cricket Session with Music from the Studio.
2—G.P.O. Clock and Chimes; Special Sporting Information broadcast direct from Sun Office.
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 Jack and the Kiddies.
7—A Talk to the Kiddies by "Brin-ga".
7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.

Evening Session.

- 8—Mr. W. E. Lewis and Miss Dorris Ward in duets and solos. Mr. Reg. Harrison, Com-

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edian and Miss Grace Saville, contralto. The Enmore Symphony Orchestra, conducted by Mr. F. Watkins, will also be broadcast and Mr. D. Raymond will lecture on "Curious Curcemeles."

SUNDAY, JUNE 6.

- 11—First Church of Christ Scientist, Sydney.
- 3.30—Bible Class from the Studio.
- 4—Concert from the Studio.
- 7—Enmore Church of Christ.
- 8.30—The Newtown Band.

MONDAY, JUNE 7.

Afternoon Session.

- 10.55—Special Cricket Session with Music from the Studio.
- 3—G.P.O. Clock and Chimes; Rugby League Football Match, N.S.W. v Queensland, broadcast direct from the ground. Weather Report and Social Notes from The Sun.
- 3.15—David Jones' Tea Room Trio.
- 3.30—G.P.O. Clock and Chimes; Philosphia Talk, 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 Mr. Ramosi.
- 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.

- 5—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.
- 7.30—"What's On," a guide to the visitors and citizens of Sydney.
- 7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.
- 7.50—Close down.

Evening Session.

- 8—The Ambassadors Instrumental Salon Quartette, under the direction of Mr. Claude McGiven. Mr. Clem Williams, baritone and Miss Marjorie Skill, soprano. Miss Molly Rayner, Comedienne.

TUESDAY, JUNE 8.

Afternoon Session.

- 10.55—Special 20 minute Cricket Session with Music from the Studio.
- 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.
- 3.45—Music from the Studio.
- 4—G.P.O. Clock and Chimes; Music from the Studio.
- 4.40—G.P.O. Clock and Chimes; Serial Story entitled Mr. Ramosi.
- 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; Sporting Resume from "Sun" Newspapers; Uncle Jack and the Kiddies.
- 6.45—Broadcasters Dinner Orchestra.
- 7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.
- 7.50—Close down.

Evening Session.

- 8—Orphan's Wall broadcast from Warringah Hall, Neutral Bay.

WEDNESDAY, JUNE 9.

- 10.55—Special 20 minute Cricket Session with Music from the Studio.

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; Special Operatic Talk by Mr. J. M. Frontice.
 - 4—G.P.O. Clock and Chimes; Broadcasters' Trio.
 - 4.30—G.P.O. Clock and Chimes; Serial Story entitled Mr. Ramosi.
 - 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.
- 5—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.
 - 7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.
 - 7.50—Close down.

Evening Session.

- 8—The City of Sydney Band, Broadcast from Berlow Chambers. Miss Pauline Harford-Foster (soprano). At 8.30 Dr. Donald Laker will talk on "Hong Kong—The Incomparable," and at 9.30, Mr. J. M. Prentice will talk on "Foreign Affairs."

THURSDAY, JUNE 10.

- 10.55—Special 20 minute Cricket Session with Music from the Studio.
- 3—G.P.O. Clock and Chimes; Weather Reports and Social Notes from The Sun.
- 3.15—David Jones' Tea Room Trio.

- 3.30—G.P.O. Clock and Chimes;
- 3.45—Music from the Studio.
- 4—G.P.O. Clock and Chimes; David Jones' Tea Room Trio.
- 4.30—Serial Story entitled "Mr. Ramosi."
- 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.
- 6—G.P.O. Clock and Chimes; Sporting Resume from "Sun" Newspapers; Uncle Jack and the Kiddies.
- 7.50—Close down.

Evening Session.

- 8—Hoy's Imperial Orchestra, under the direction of Mr. Lionel Hart; The Sydney Players present a drama in Three Acts, entitled "The Rollers." Miss Helma Stewart (soprano) and Mr. Reg. Harrison (comedian).

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FRIDAY, JUNE 8.

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.
- 3.30—A Musical Programme from the Studio, including the following vocal numbers: Soprano solos, Miss Olga Harris; contralto solos, Miss Clarice Cox; baritone solos; Mr. J. Caldwell; soprano solos, Mrs. Robt. Bell.

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Early Evening Session.

7.—The Farmers' Session; Market Reports; Lectures—Efficiency in the Raising of Pigs, E. G. Shelton (Instructor in Pig Raising).

Night Session.

7.45—Lecture Session—A Talk arranged by the Workers' Educational Association.

8.—From the Studio—Hungarian Fantasia, The Savoy Orchestra; mezzo-soprano solo, Miss Jean MacTaggart; waltz, The Savoy Orchestra; contralto solo, Miss Winifred Anderson; selection, The Savoy Orchestra; soprano solo, Miss Jean Jarrott; ballet, The Savoy Orchestra; mezzo-soprano solo, Miss Jean MacTaggart; fox trots, The Savoy Orchestra; contralto solo, Miss Winifred Anderson; march, The Savoy Orchestra; soprano solo, Miss Jean Jarrott.

8.56—Weather Information officially supplied by the Commonwealth Weather Bureau.

8.55—Announcements.

9.—From the Albert Hall—The second portion of the Dickens Fellowship Association will be relayed from the Albert Hall—a Dramatic Evening arranged by Miss Nell Douglas Graham.

10.—From the Hibernian Hall—Half an hour's dance music by the "Black and White Synchronators."

10.30—Close down.

SATURDAY, JUNE 5.

6.25—Tune-in Signal.

6.30—The Children's Session; Bedtime Stories by Uncle Ben, assisted by Mabel Sunahne.

7.15—Close down.

Night Session.

7.45—Lecture Session—Sporting Talk by Rugby League Officials. The first portion of tonight's programme will comprise the relayed of the Metropolitan Water Supply and Sewerage Board Soldier and Sailor Employees' Association Grand Concert (in aid of the "Diggers" Kiddies Christmas Fund) from the Albert Hall.

From the Studio—Weather Information officially supplied by the Commonwealth Weather Bureau. Announcements, Hawaiian Instrumentalists, The Kalus Trio; bass solo, Mr. Stanley Tamblin.

From Lennox's Hotel—By courtesy of the proprietors of Lennox's Hotel, Dance Music, played by Miss May Bobbyn's Vice Regal Orchestra will be relayed from Lennox's Ballroom.

From the Studio—Mezzo-soprano solo, Miss Mabel Parker; The Phillips Sisters in a Musical Comedy Act; contralto solo, Miss Boris Keys.

From Lennox's Hotel—Dance Music.

From the Studio—Studio Programme.

SUNDAY, JUNE 6.

Morning Session.

The complete morning service will be relayed from St. Stephen's Roman Catholic Cathedral, Brisbane.

10.55—Tune-in.

11—Morning Service.

12.15—Close down.

Afternoon Session.

The complete afternoon service held in the Exhibition Hall by Evangelist Gypsy Smith will be relayed.

2.55—Tune-in.

3—Afternoon Service.

4.30—Close down.

Night Session.

The complete evening service held by Evangelist Gypsy Smith in the Exhibition Hall will be relayed.

6.55—Tune-in.

7—Evening Service.

At the conclusion of the Church Service the Band Concert provided in Wickham Park

by the Greater Brisbane Municipal Concert Band will be relayed.

8.30—Band Concert.

9.30—Close down.

MONDAY, JUNE 7.

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.

1.20—Close down.

Afternoon Session.

3.30—Contralto solo, Miss Vera Parker; Duo Art selection, fox trot; baritone solo, Mr. J. Caldwell; Aeolian Vocalion selection contralto solos, Miss Clarice Cox; group of banjo numbers, Mr. N. Gould; soprano solo, Mrs. Con. Thomas; Aeolian Vocalion selection; contralto solo, Miss Vera Parker; group of banjo numbers by Mr. N. Gould; baritone solo, Mr. J. Caldwell; soprano solo, Mrs. Con. Thomas.

4.15—News Service supplied by "The Telegraph." Close down.

Early Evening Session:

6.25—Tune-in.

6.30—The Children's Session—Stories by "The Sandman"

7.—The Farmers' Session—Market Reports supplied by the Council of Agriculture. Lecturette, Poultry Breeding, by Mr. P. Rumball, Poultry Instructor.

7.20—News Services supplied by "The Standard."

7.30—Close down.

Night Session.

7.45—Lecture Session—Motorist—Correct Lubrication Talk, No. 8, by "Gargoyles." During the first portion of the evening a group of choral numbers by the Brisbane Austral Choir will be relayed from the Ann Street Presbyterian Church.

8—Agincourt Song; The Silver Swan; Haill Smiling Morn; Land of Hope and Glory.

8.30—From the Studio: Hawaiian Instrumentalists, the Honolulu Serenaders; soprano solo, Miss Olga Harris; contralto solo, Mr. W. H. Davis; monologue, Mr. V. Scannlan; pianoforte solo, Miss Rae Phillips; contralto solo, Miss Clarice Cox; Hawaiian Instrumentalists, the Honolulu Serenaders; mezzo-soprano solo, Miss R. G. Husband.

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

8.55—Announcements.

9—Cornet solo, Mr. W. H. Davis; contralto solo, Miss Clarice Cox; monologue, Mr. V. Scannlan; pianoforte solo, Miss Rae Phillips; soprano solo, Miss Olga Harris; Hawaiian Instrumentalists, the Honolulu Serenaders; mezzo-soprano solo, Miss R. G. Husband.

9.1—From the Band Room: Programme of music by the South Brisbane City Orchestra; xylophone solo, Master G. Cousins.

10—From the Studio: "The Daily Mail" News Service. Close down.

TUESDAY, JUNE 8.

Midday Session.

12.55—Tune-in signal.

12.58—Time Signal.

1—Market Reports, Stock Exchange information, weather information, "The

Daily Mail" News, "Daily Standard" News.

1.15—From the Albert Street Church the midday service by Gypsy Smith will be relayed.

1.30—Close down.

Afternoon Session.

3.25—Tune-in.

3.30—From the Studio: Overture, the Savoy Orchestra; bass solo, Mr. Stanley Tamblin; waltz, the Savoy Orchestra; soprano solo, Miss Eileen McLennan; orchestral, the Savoy Orchestra; bass solo, Mr. Stanley Tamblin; selection, the Savoy Orchestra; orchestral, the Savoy Orchestra; soprano solo, Miss Eileen McLennan; march, the Savoy Orchestra.

4.15—"The Telegraph" News

4.30—Close down

Early Evening Session:

6.25—Tune-in.

6.30—The Children's Session—Stories by "The Sandman"

7.—The Farmers' Session—Market Reports—Lecturette—Cream Grading and its Influence on the Dairy Industry, by Mr. C. McGrath, Chief Dairy Supervisor.

7.20—"The Standard" News.

7.30—Close down.

Night Session.

7.45—Lecture Session—Popular Science Talk No. 4, by "Vega." Portion of tonight's programme will be supplied by the Brisbane Apollo Club.

8—Choral number, the Brisbane Apollo Club; contralto solo, Miss Irene Elphinstone; choral number, the Brisbane Apollo Club; pianoforte solo, Mr. Arthur Sharman; contralto solo, Miss Winifred Anderson; choral number, the Brisbane Apollo Club; baritone solo, Mr. G. V. Woodland; Duo Art selection; contralto solo, Miss Irene Elphinstone; Aeolian Vocalion selection; contralto solo, Miss Winifred Anderson.

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

8.55—Announcements.

9—From the Tivoli Theatre: By courtesy of the Directors of Haymarket Theatres Ltd., half an hour's music by the Tivoli Operatic Orchestra will be relayed from the Tivoli Theatre.

9.20—From the Centennial Hall—by courtesy of the Lessee, a programme of dance music by the Centennial Hall Dance Orchestra, will be relayed from the Hall.

10—From the Studio: "The Daily Mail" News Service. Close down.

WEDNESDAY, JUNE 9.

Midday Session.

12.55—Tune-in signal.

12.58—Time 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; "The Daily Mail" News, "The Daily Standard" News.

1.20—Close down.

Afternoon Session.

3.25—Tune-in.

3.30—Duo Art selection; soprano solo, Mrs. Con. Thomas; cornet solo, Mr. S. Henry; monologue, Miss Fec Todd; group of banjo numbers by Mr. G. Deans; soprano solo, Mrs. Con. Thomas; cornet solo, Mr. S. Henry; Duo Art selection; monologue, Miss Fec Todd; group of banjo numbers, Mr. G. Deans.

4.15—"The Telegraph" News. Close down.

Early Evening Session:

- 6.25—Tune-in.
- 6.30—The Children's Session—Stories by Little Miss Brisbane.
- 7—The Farmers' Session. Market Reports. Farmers' Lecture Session—Pioneering and its Hardships, by Mr. A. S. Douglas, of Cooroy.
- 7.20—"The Standard" News.
- 7.30—Close down.

Night Session.

- 7.45—Lecture Session—Scouting for Boys, Talk No. 2, by the Chief Commissioner for Queensland Boy Scouts Association (Mr. G. S. Snow). To-night's programme will comprise a "Digger" Night. The music will be selected from the melodies popular during the days of war.
- 8—Selection, the Federal Band; bass solo, Mr. Stanley Tamblin; monologue, Miss Ruby Massey; march, the Federal Band; vocal duet, Miss McDowell and Mrs. Stoddart; band number, the Federal Band; soprano solo, Miss Jean Jarrott; selection, the Federal Band; bass solo, Mr. J. P. Cornwall; march, The Federal Band.
- 8.50—Weather Information officially supplied by the Commonwealth Weather Bureau.
- 8.55—Announcements.
- 9—Selection of Marches, the Savoy Orchestra; bass solo, Mr. Stanley Tamblin; monologue, Miss Ruby Massey;

Sailors' Songs, the Savoy Orchestra; soprano solo, Miss Jean Jarrott; overture, the Savoy Orchestra; bass solo, Mr. J. P. Cornwall; selection, the Savoy Orchestra; March, the Savoy Orchestra.

10—The Daily Mail News Service; Close down.

THURSDAY, JUNE 10.

Midday Session.

- 12.55—Tune-in signal.
- 12.58—Time Signal.
- 1—Market Reports, Stock Exchange information, weather information, "The Daily Mail" News, the "Daily Standard" News.
- 1.15—From the Albert Street Church—the midday service by Gipsy Smith will be relayed.
- 2—Close down.

Afternoon Session.

- 3.25—Tune-in.
- 3.30—Duo Art selection; soprano solo, Mrs. Robt. Bell; group of banjo numbers by Mr. N. Gould; contralto solo, Miss Clarice Cox; cornet solo, Mr. W. H. Davis; soprano solo, Mrs. Robert Bell; group of banjo numbers by Mr. N. Gould; contralto solo, Miss Clarice Cox; cornet solo, Mr. W. H. Davis; Duo Art selection.
- 4.15—"The Telegraph" News.
- 4.30—Close down.

Early Evening Session:

- 6.25—Tune-in.

- 6.30—The Children's Session—Stories by "The Seafarer"
- 7—The Farmers' Session. Market Reports. Lectures—How Pasteurisation Improves Dairy Products, by Mr. J. K. Murray (Principal, Agricultural High School and College).
- 7.20—"The Standard" News.
- 7.30—Close down.

Night Session.

- The first portion of to-night's programme will comprise a recital by selected representatives of various metropolitan Roman Catholic Choirs, and will be relayed from St. Stephen's Cathedral.
- 7.30—From St. Stephen's Cathedral: Choral Recital.
- 9.5—From the Studio: Weather information officially supplied by the Commonwealth Weather Bureau. Announcements. Male Quartette, the Anglo Quartette Party; tenor solo, Mr. C. R. Kolb; vocal duet, Messrs. Kolb and Pike; baritone solo, Mr. A. F. Stoddart; Male Quartette, the Anglo Quartette Party; bass solo, Mr. D. Pike; Male Quartettes, the Anglo Quartette Party; baritone solo, Mr. J. Caldwell; contralto solo, Miss Irene Elphinstone; cornet solo, Mr. J. W. Burgemeister; mezzo-soprano solo, Miss Jean MacTaggart; cornet solo, Mr. J. W. Burgemeister; contralto solo, Miss Irene Elphinstone.
- 10—"The Daily Mail" News Service. Close down.



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FRIDAY, JUNE 4.

- Morning Session (11.30 a.m. to 2 p.m.)
 11.30—G.P.O. Chimes.
 11.31—Featuring a *Steak Duo Art* number.
 11.40—"Advertiser" News Service.
 12—G.P.O. Chimes.
 12.1—News and Cable Service.
 12.16—Featuring a *Steak Duo Art* number; The 5CL Studio Orchestra Selection; cornet solo; fox trot; waltz; in a temple, the temple garden; instrumental waltz; nocelette; gavotte; Ennio.
 1.55—B. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis and Station Announcement.
 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, General Information and Station Announcements.
 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, Market Reports and Station Announcements.
 7.40—Sporting Talk by "Old Timer."
 8—G.P.O. Chimes.
 8.1—The "Mozymakers" will be heard in a series of popular and instrumental numbers, interspersed with vocal items.
 9—G.P.O. Chimes.
 9.1—Weather Reports.
 10.15 approx.—Advertiser News Service.
 10.30—Station Announcements; National Anthem.

SATURDAY, JUNE 5.

- Morning Session.
 10.30—G.P.O. Chimes.
 10.31—The 5CL Studio Orchestra will play:—Orchestra; violin solo; fox trot; oriental; melody; waltz; cornet solo; waltz; Ennio.
 Afternoon Session.
 Sporting Results when available.
 Steak Duo Art and Vocalion Numbers.

Evening Session.

- 5.30—G.P.O. Chimes.
 6.31—Bedtime Stories for the Children.
 7.15—An address will be given by Miss Behrens, Chief Guide of the North of England.
 7.30—Market reports and station announcements.
 7.40—A review of the world's chief sporting events.
 8—G.P.O. Chimes.
 8.1—Studio Concert.
 8.45—The H. Lecture.
 9—G.P.O. Chimes.
 9.1—Weather Reports.
 9.3—Studio Concert—continued.
 10.22—"Advertiser" News Service.
 10.1—Studio Concert—continued.
 10.30—Station Announcements; National Anthem.

SUNDAY, JUNE 6.

- Morning Session:
 10.55—Relay from Parkside Baptist Church—Divine Service. Preacher: Rev. Bernard E. C. Tuck, B.A.
 Evening Session:
 6.30—G.P.O. Chimes.
 6.31—Bedtime Stories for the Children.
 7—Relay from Congress Hall, Pirie Street, Salvation Army Band. Address: Envoy J. Boase.

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8.1—From the Studio, Holden's Silver Band.
8.50—Mr. P. H. Nicholls will speak on "Spiritual Healing."
9.5—Holden's Silver Band, continued. Station Announcements; National Anthem.

MONDAY, JUNE 7.

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

11.30—G.P.O. Chimes.
11.31—Featuring a Steek Duo Art number.
12—G.P.O. Chimes.
12.1—News and Cable Service.
12.16—Featuring a Steek Duo Art number; 5CL Studio Orchestra will play: Overture; cornet solo; fox trot; Highland laments; the dancer of Navarre; instrumental trio; waltz; selection; finale.
1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis and Station Announcements.
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, General Information and Station Announcements.
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.
8.1—Mr. Fred Cavanett's Jazz Band, interspersed with vocal numbers.
8.20—Twinkler's Original Humorous Talk (Mr. P. J. Mills).
8.40—Jazz Band, continued.
9.1—Weather Reports.
10.30—Jazz Band, Continued.
10.45—Station Announcements; To-morrow's Programme; National Anthem.

TUESDAY, JUNE 8.

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

11.30—G.P.O. Chimes.
11.31—Featuring a Steek Duo Art number.
12—G.P.O. Chimes.
12.1—News and Cable Service.
12.16—Featuring a Steek Duo Art number; 5CL Studio Orchestra will play: Selection; 'cello solo; fox trot; valse triste; oriental; suite; cornet solo; waltz; finale.
1.55—S. C. Ward & Co.'s Stock Exchange Intelligence, Official Weather Synopsis and Station Announcements.
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, General Information and Station Announcements.
5—G.P.O. Chimes.

Evening Session (6.30 to 10.30).

6.30—G.P.O. Chimes.
6.31—Bedtime Stories. Children's Concert, arranged by Miss Sylvia Thomas, L.A.B., A.M.U.A., L.Mus.A. (Auntie Sybil).
7.40—Stock Exchange, Market Reports and

Station Announcements.

8—G.P.O. Chimes.
8.1—Relay from South Australian Railways Institute Hall.
From the Studio, a programme of popular numbers will be played by the Mignon Quartette.
8.30—Cookery Talk arranged by S.A. Gas Co.
9—G.P.O. Chimes.
9.1—Weather Reports.
10—G.P.O. Chimes.
10.1—Studio Concert.
10.25—Mignon Quartette, continued.
10.36—"Advertiser" News Service.
10.50—Station Announcements; National Anthem.

WEDNESDAY, JUNE 9.

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

11.30—G.P.O. Chimes.
11.31—Steek Duo Art and Aeolian Vocalion Recitals.
12—G.P.O. Chimes.
12.1—News and Cable Service.
12.16—Featuring a Steek Duo Art number; 5CL Studio Orchestra will play: Overture; violin solo; fox trot; suite; valse breizant; selection; cornet solo; melody; finale.
1.55—S. C. Ward & Co.'s Stock Exchange Intelligence, Official Weather Synopsis, and Station Announcements.
2—G.P.O. Chimes.

Afternoon Session. (3 to 5).

3—G.P.O. Chimes.
3.1—Broadcast from Maple Leaf Cafe; Orchestral Numbers.
3.45—Serial Story from the Studio.
4—G.P.O. Chimes.
4.1—Relay from Arcadia Cafe; Orchestral numbers.
4.55—Stock Exchange Reports, General Information and Station Announcements.
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.
7.20—Copec Lecture, Mr. F. Burgess, M.A.
8—G.P.O. Chimes.
8.1—Studio Concert.
8.30—Science lecture arranged by Messrs. F. H. Faulding & Co.
9—G.P.O. Chimes.
9.1—Weather Reports.
10.30—From the Studio, Musical Numbers.
11.30—Studio Concert, continued. During the evening Fred Cavanett's Havanah Syncopators will be heard in a series of special dance numbers.
11.55—Station announcements.
Midnight—G.P.O. Chimes; National Anthem.

THURSDAY, JUNE 10.

Morning Session.

11.30—G.P.O. Chimes.
11.31—Featuring a Steek Duo Art number.
11.40—"Advertiser" News Service.
11.55—Vocalion Number.
12—G.P.O. Chimes.
12.1—"Advertiser" News Service.
12.16—Featuring a Steek Duo Art number; 5CL Studio Orchestra will play: Overture; cornet solo; fox trot; melody; suite; selection "Men of Sparta"; serenade; finale.
1.55—Ward & Co.'s Stock Exchange Intelligence, Official weather synopsis, and station announcements.
2—G.P.O. Chimes.

Afternoon Session.

3—G.P.O. Chimes.
3.1—Relay from Maple Leaf Cafe, orchestral numbers.
3.45—Broadcast from Studio, Serial Story.



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4—G.P.O. Chimes.
4.1—Broadcast from Arcadia Cafe, orchestral numbers.
4.55—Stock Exchange Reports, general information, and station announcements.
5—G.P.O. Chimes.

Evening Session.

6.30—G.P.O. Chimes.
6.31—Bedtime Stories.
7.15—Health Talk, given by School for Mothers, arranged by Mr. A. M. Whittebury.
7.30—Market Reports.
7.40—Poultry Talk by Mr. A. M. Whittebury.
8—G.P.O. Chimes.
8.1—The 5CL Studio Orchestra in a programme of popular numbers, interspersed with vocal items.
9.3—Studio orchestra, continued.
10.30—Jazz orchestra, continued.

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FRIDAY, JUNE 4.

Midday Session.

12.20—British Official Wireless News from Rugby; Reuters and the Australian Press Association cables.

12.45—Stock Exchange Information.

- 12.50—Meteorological Information; Weather Forecasts for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Report.
1—Time Signal.
1.1—Stanley Adams, violin solo.
1.7—Ella Riddell, contralto.
1.15—Studio Orchestra.
1.25—Tasma Tiernan, cello solo.
1.32—Ella Riddell, contralto.
1.40—Stanley Adams, violin solo.
1.46—Studio Orchestra.
2—Close down.

Afternoon Session.

- 3—Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd.
3.1—Studio Orchestra.
3.11—Oliver Peacock, baritone.
3.18—Dorothy Roxburgh, viola solo.
3.22—Station Trio.
3.30—Keith Desmond.
3.40—Au Fah, Messrs. Buckley & Nunn Ltd.—Fashion Talk.
3.55—Studio Orchestra.
4—Oliver Peacock, baritone.
4.7—Studio Orchestra.
4.15—Keith Desmond.
4.25—Agnes Fortune, piano solo.
4.30—Studio Orchestra.
4.35—Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd. "Herald" news service. Stock Exchange information.
5—Close down.
Evening Session.
6—Children's Hour. Stories by Billy Bunny; Little's Fairy Story; The Lost Princess and Black Beauty.
6.45—"Argus" and "Herald" News Services; Reuters and the Australian Press Association Cables.
6.53—Weather Synopsis; Shipping Movements.
6.57—Stock Exchange Information.
7.2—Fish Market Reports by J. R. Borret Ltd.
7.4—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.

- 7.20—Under the auspices of the Agricultural Dept.—Mr. N. A. Bowman, Sheep and Wool Expert—Sheep Breeding, Care at Lambing Time.
7.40—Mr. Chas. Watson, of the Gilbert and Sullivan Opera Company, will speak from his dressing room, by permission of J. C. Williamson Ltd.
8—Ashere Collingwood Citizens' Band.
8.9—M. J. Pettigrove, tenor.
8.16—"The Captain"—School Life and School Sport.
8.30—Collingwood Citizens' Band.
8.51—Keith Desmond—Seltarian.
9.1—H. F. Loft, banjoist.
9.11—John Hobbs, baritone.
9.18—R. A. Dolnoski, Famous men of the Ages—Schubert.
9.30—Collingwood Citizens' Band.
9.43—M. J. Pettigrove, tenor.
9.50—H. F. Loft, banjoist.
10—Keith Desmond, soliloquies.
10.10—Collingwood Citizens' Band.
10.20—John Hobbs, baritone.
10.27—Collingwood Citizens' Band.
10.40—Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd. "Argus" news service. Meteorological information. British official wireless news from Rugby.
11—God Save the King.

SATURDAY, JUNE 5.

Morning Session.

- 11—Sonora Recital.
11.7—Oliver Peacock, baritone.
11.14—Harold Rodgers, organ.
11.24—Sonora Recital.

- 11.31—Oliver Peacock, baritone.
11.38—Harold Rodgers, organ.
11.48—Sonora Recital.
12—Time Signal. British Official Wireless News from Rugby. Reuters and the Australian Press Association Cables. Latest Australian Cricket Eleven Scores, by courtesy of Reuters. "Argus" and "Herald" News Services. Shipping Intelligence.
12.45—Stock Exchange Information.
12.50—Meteorological Information; Weather Forecasts for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecast; River Report.
1—Time Signal.
1.1—Studio Orchestra.
1.7—The Four Shicks.
1.14—Walter Smith, cornet solo.
1.22—Studio Orchestra.
1.32—The Four Shicks.
1.40—Studio Orchestra.
1.48—Bessie Gausson, violin solo.
2—Close down.

- 2—Result of the York Hurdle Race from the V.R.C. Meeting.
2.30—Result of the Princess Handicap from the V.R.C. Meeting.

Afternoon Session.

- 3—Result of Hopetoun Steeplechase from the V.R.C. Meeting; Latest Australian Cricket Eleven Scores, by courtesy of Reuters Ltd.
3—Warracoe Dance Orchestra.
3.40—Result of the Royal Handicap from the V.R.C. Meeting; Warracoe Dance Orchestra.
3.50—Result of the Sandringham Handicap from the V.R.C. Meeting; Warracoe Dance Orchestra.
4.45—Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd. Sporting results, "Herald" and "Argus" news services. Result of Keilor Handicap, Moncey Valley.
5—Result of the Buckingham Walter from the V.R.C.; Close down.

Evening Session.

- 5.45—All sporting results, Local, Country, and Interstate.
6—Children's Hour: Stories by Mary Gumleaf; Poems, The Croaking Stag, Sawaky Shoes; Story for the Littlest ones, Fanny and the Ginger Breads; For the bigger ones, Hiawatha with Coleridge; Taylor's music.
6.45—"Argus" and "Herald" News Services; Reuters and the Australian Press Association Cables.
6.53—Weather Synopsis; Shipping Movements.
6.57—Stock Exchange Information.
7.3—Fish Market Reports by J. R. Borret Ltd.
7.4—Market Reports by the Victorian Producers Co-Operative Co. Ltd. Grain, Chaff, Hay, Straw, Jute, Dairy Produce, Potatoes and Onions.

Night Session.

- 7.20—Mr. R. Rawson—Extracts from an Esperanto's Diary.
7.40—Mr. F. Chapman—What's in a name?
8—"Leave it to Jane"—Act 1, transmitted from the Theatre Royal, by permission of J. C. Williamson Ltd.
9.25—The Studio Orchestra.
9.35—Syd L. Eston, tenor.
9.43—Bessie Gausson, violin solo.
9.49—Mary C. Lilley, contralto.
9.56—Studio Orchestra.
10.56—Syd L. Eston, tenor.
10.13—Tasma Tiernan, cello solo.
10.19—Mary C. Lilley, contralto.
10.26—Studio Orchestra.
10.30—Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd. "Argus" news service. Meteorological information. British official wireless news from Rugby. Sporting results, races, football, Metropolitan Soccer League, Metropolitan Amateur Association. A short resume of the wrestling bout at the Stadium, by Mr. Norman McClance.
11—God Save The King.

SUNDAY, JUNE 6.

Morning Session.

- 10.55—Express Train Information.
11—Service from the Salvation Army City Temple, Melbourne.
12.15—British Official Wireless News from Rugby.
12.20—Close down.

Afternoon Session.

- 3—Pleasant Sunday Afternoon Service, Wesley Sunday School Anniversary, Chairman, Rev. J. H. Cain. Address, Rev. J. E. James.

Evening Session.

- 6—Children's Hour. Stories by Billy Bunny; The Lost Garden, The Love-liest Life, Little Deeds of Kindness.
6.45—Close down.

Night Session.

- 7—Service from Wesley Church, Central Mission—Sunday School Anniversary. Conducted by Rev. C. Irving Bosson.

From the Studio:

- 8.30—Eduard and Raymond Lambert, piano and violin.
8.40—Raymond Lambert, piano.
8.47—Eduard Lambert, violin.
8.55—Bernard Manning (baritone) (of the Gilbert and Sullivan Opera Company, by permission of J. C. Williamson Ltd.)
9.2—Richard Chugg, Flute solo.
9.9—Raymond Lambert, piano.
9.14—Nora Wilcox and Bernard Manning, duet.
9.21—Eduard Lambert, violin.
9.28—Nora Wilcox, soprano (of the Gilbert & Sullivan Opera Company, by permission of J. C. Williamson Ltd.)
9.35—C. Richard Chugg, Flute solo.
9.42—Harold Rodgers, organ solo.
9.52—"Argus" News Service.
10—God Save the King.

MONDAY, JUNE 7.

Midday Session.

- 12 noon—Time Signal. Latest Australian Cricket Eleven scores, by courtesy of Reuters Ltd. British Official Wireless News from Rugby. Reuters and the Australian Press Association Cables. "Argus" and "Herald" News Services. Shipping Intelligence.
12.50—Stock Exchange Information.
12.50—Meteorological Information. Weather Forecasts for Victoria, Tasmania, South Australia and New South Wales. Ocean forecast. River Reports.
1—Time Signal.
1.1—Studio Orchestra.
1.12—The Four Shicks.
1.19—Walter Smith, cornet solo.
1.30—Community Singing, by the Student of the University, Melbourne, transmitted from the Club House, University, Carlton.
2—Result of Marlborough Hurdle Race—V.R.C. (Flemington).
2.15—Close down.
2.30—Result of Ruthey Stakes.

Afternoon Session.

- Latest Australian Cricket Eleven scores, by courtesy of Reuter's Ltd.
3—Result of Lancaster Handicap.
3.1—Studio Orchestra.
3.10—Mr. J. R. Locke—Travel and Adventure during sojourn in Persia.
3.25—Studio Orchestra.
3.31—Oliver Peacock, baritone.
3.38—Bessie Gausson, violin.
3.43—Keith Desmond, monologues. Result of Prince of Wales Steeplechase.
3.53—Miss Flora Pell, Supervisor of Domestic Arts, Education Dept.—Domestic Economy.
4.5—Studio Orchestra.
4.17—Oliver Peacock, baritone. Result of Birthday Handicap.
4.24—Tasma Tiernan, cello solo.
4.30—Keith Desmond, Monologues.
4.40—Studio Orchestra.

BURGESS—"They're on the Leviathan"—BATTERIES

BROADCASTING STRESSES MELODIC LINE.

The effect of broadcasting on American composers is to stress the importance of the long melodic line, according to Earle C. Anthony, owner of KFI, Los Angeles.

"This development in music will be exactly contrary to the development in the radio drama at present being experimented with by Cosmo Hamilton," Anthony states. "Although in radio the greatest musical pleasure is to be had from a long simple melodic line, the converse is true in radio lectures and dramas where a shorter and more fragmentary style is necessary for complete understanding. The reason for this is that in music the average listener depends upon the emotions and not the intellect for his reactions, while to gain pleasure from the spoken word the entire mental equipment of the receptionist is brought into play. A check on radio lectures at KFI has shown us the superiority of the direct objective style over the subjective method so much in favour with the usual speaker. The radio audience assimilates much more easily whatever is concrete and presented in a simple graphic manner than the involved and abstract. It is doubtful if the severe and classic beauty of a Bach fugue is as interesting, even to a trained musician, over the air as it would be in a concert hall. On the other hand, the warm, sensuous music of the Russians,

the French and the so-called 'Oriental School,' is more pleasing to the ear through a loud speaker."


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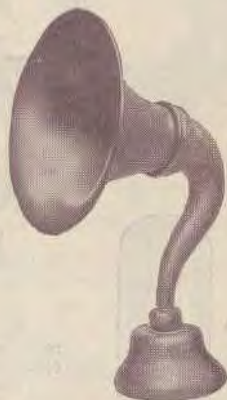
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