

WIRELESS WEEKLY

Registered at the G.P.O., Sydney, N.S.W.

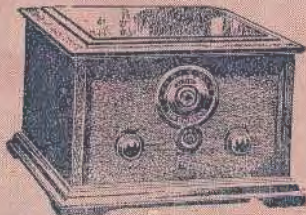
Transmitted by post as a newspaper.

VOL. 7. No. 16

FRIDAY, FEBRUARY 12, 1926.



Anti-Noise
Valves



MAGNAVOX JUNIOR.



New Model
M3

Here's a Radio Set that a child or blind man can tune every bit as well as an expert—and that a connoisseur will enjoy, for the Mellow Tone of the NEW MAGNAVOX SPEAKER is a real delight to the ear.

"Widely Known for Quality and Value"—Magnavox

Fullset Particulars. Prices on Application.

D. T. HINCHEN,

Direct Factory Representative

Challis House, Sydney. Wholesale Only. Tel.: B 5607.

FEATURE

Is Your
Receiver
Selective ?

INSIST ON

Carter Radio

STANDARD PRODUCTS

Your dealer will be glad to show you the new Carter Line. Every Jack, Rheostat, Potentiometer or Switch is of the finest quality and is not equalled anywhere at the price this line is offered.

CARTER RECEPTACLE JACK



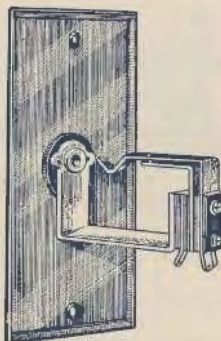
Carter Hold-Tite Jack, No. 101.
One Spring, open circuit.

Retail Price, 4/9.



Carter Hold-Tite Jack, No. 103.
Three Springs, one local make contact. Single filament control.

Retail Price, 6/8.



Compact radio outlet for buildings wired for radio service. Fits any standard radio plug.

Can be used on either series or parallel circuit. Provides effective way to ground the antenna when radio set is disconnected from antenna by removal of plug from this Jack.

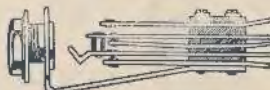
Mounted on insulated 2 1/2 in. x 1 1/2 in. brush brass standard ebonite plate; complete with "Radio" name plate and screws.

Retail Price, 8/3.



Carter Hold-Tite Jack, No. 104.
Four Springs; breaks two contact. Double circuit.

Retail Price 7/.



Carter Hold-Tite Jack, No. 105.
Five Springs; opens two and closes one contact. Double Filament control.

Retail Price, 7/9.

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9 Months' Guaranteed Shelf Life.

No. 15-90 . . . 13/6 each

The most popular battery for vacuum tube plate service. Case of sheet metal beautifully enamelled. Round corners. Five positions, new improved patented clips, give variable voltages of 16½, 18, 19½, 21, 22½ volts. Length, Width, Height: 6-5/8 x 4 x 3-1/4. Weight lbs.: 4.

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Standard square type. Six positions with new improved patented clips, giving 16½, 18, 19½, 21, 22½, and 45 volts. 30 cells. Length, Width, Height: 6-5/8 x 8 x 3. Weight lbs., 9.

"Awarded America's Highest Test"

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ALWAYS FRESH—ALWAYS RELIABLE EVER-READY RADIO BATTERIES

These batteries are fresh daily—made in Australia by a new process which gives results well above the average. Only the finest materials are used, and used in such a way as to make the ideal battery.

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For Use with 1 and 2 Valve.		For Use with 2 to 5 Valve.	
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Prices quoted apply only in N.S.W.

This is what Mr. C. Maclurean, the radio authority, has to say of Ever-Ready radio Batteries:—

"I will be pleased if you will send me half a dozen more large size Ever-Ready 'B' Batteries. The last six which I obtained from you over seven months ago have been in continual use in my Wireless Station for various purposes, and five of them are still going strong.

"When it is realised that my wireless room is an extremely hot place, and that some of the batteries have been used in the high-power transmitter, it speaks highly of the quality of the batteries, and I am more than satisfied with the service they have given."

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6 Points on Yaxley



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Air-Cooled. 200
and 400 ohm.
11/9

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- (2) One nut mounting. Drill one hole on any standard thickness panel without use of spacer washers.
- (3) Springs of genuine phosphor-bronze. Pure silver self cleaning contact rivets.
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- (6) Yaxley Potentiometers and Rheostats are AIR-COOLED.



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All radio Jacks
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Every Yaxley Product is
shown on the Yaxley
Stand.



YAXLEY No.6

Every Radio Dealer has
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Ask to see the Yaxley
stand.

BURGESS BATTERIES

No. 6 DRY CELL "A."

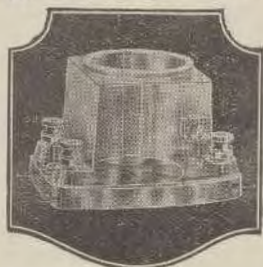


Designed especially for use
with Dry Cell Valves. Will
give more service than ordi-
nary cells.

The Chief Engineer of one
of Sydney's "A" Class
Broadcasting Stations says:
"Since using Burgess Bat-
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maintenance costs by half.
Burgess Batteries have out-
lasted by 4 times the life of
other batteries we have used
here."

"OVER TWICE THE LIFE."

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THE FIRST ALL GLASS LOW-LOSS
SOCKET.

100 per cent. Insulation.
Eliminates Valve Noises.
Cuts down power losses.
9/6 from All Dealers.

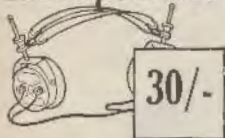
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NEW SYSTEM TELEPHONES PTY. LTD.,

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Matched Tone Headphones



British Manufacture (B.B.O.
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All Brandes products carry our
official money-back guarantee, en-
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Trade Enquiries Invited

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

Ask your Dealer for Brandes.

Brandes

The name to know in Radio

Brandes Ltd., 296 Regent St., London, W.1. England

Works: Slough, Bucks



WIRELESS WEEKLY

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MORSE CODE TRANSMISSIONS.

The announcement appearing elsewhere in this issue that the Morse Code lessons so successfully conducted from 2WW (the experimental station of Wireless Weekly) last year will be commenced again very soon will be received with pleasure by many listeners-in.

Hundreds wrote us last year assuring us that they had become proficient enough through following our lessons to listen in on the amateur and commercial wavebands and to follow the messages that were being handled. The main thing in learning how to read Morse Code signals is to memorise the relationship between the various combinations of dots and dashes and the alphabetical letters they represent. These lessons from 2WW will be designed primarily to give the grounding necessary before speed can be attained.

Next week we shall announce the schedule for the Morse Code transmissions and readers may also look for a list of coils necessary for reception on various circuits, a list of Morse code symbols and some general hints on code practice.

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In next issue we will give brief details of the service to readers inaugurated by Wireless Weekly which is being conducted for the sole purpose of dealing in a personal way with the thousand and one little problems which are encountered at odd times by listeners in. Very often five minutes' conversation accomplishes much more than a dozen letters. We want readers of this paper and of "Radio" to take full advantage of this service hour between 11 a.m. and 12 noon daily, when the Technical Editor will be happy to discuss any particular technical point upon which information is desired.

The country man need only telephone us to get a special appointment, and in this direction we need hardly say that we are always extremely glad to extend a welcoming hand to any enthusiast from outside Sydney. No matter whether you want technical advice or not, come in and see us, for it is by getting your ideas and impressions that we are able to gauge the kind of service to give you.

A. W. WATT.

IT'S LOOP OPERATED



THE NEW BURGINPHONE SUPER EIGHT

An eight valve loop operated receiver having excelled distance getting ability together with unrivalled quality of TONE.

Wonderfully simple to operate.

LET US SHOW YOU HOW.

Radio Repairs of all descriptions. Headphones rewound, etc.

Sole manufacturers, Burginphone Wireless receivers

Burgin Electric Co. Ltd.

340 Kent Street, Sydney

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Telephones: City 141, City 9886 and M 3069.

BURNDIPT SHORT-WAVE COMBINATION

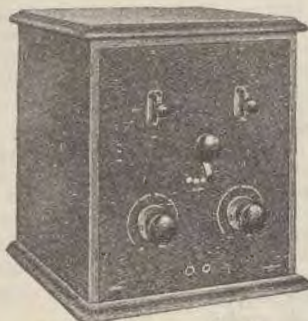
for Long-Distance and Local Stations

The use of Ultra-Short-Waves for Broadcast transmission have proved their efficiency in both Commercial and Amateur Circles. Ordinary sets are of very little use for wave lengths below 100 metres. Local stations are considering the use of Short-Waves and distant stations are almost universally using them.

The ETHOPHONE SHORT-WAVE RECEIVER is an instrument with which anyone can receive Ultra Short-Waves with ease and certainty.



Ethovox Speaker.
Now £7.



Ethophone 2 valve Amplifier.

By adding an ETHOPHONE AMPLIFIER, concerts transmitted on Short Waves can be heard on the Loud Speaker.

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BURNDIPT

Australasia Limited

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TEL: M 3732

Is Your Receiver Sufficiently Selective to suit Present Day Conditions of Broadcasting ?

By "Wireless Weekly"

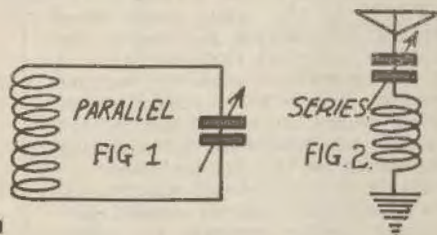
Many complaints have been received during the last two months to the effect that interference is being experienced from one or other of the broadcasting stations. The following article will probably supply a long-felt want to those who are situated near one of our local stations and who do not wish to confine their range to that particular station. From correspondence received it appears that some of our readers possess receivers which gave every satisfaction when only two broadcasting stations were transmitting, but now that the number of stations have increased the difficulty of separating some

narrow wave band, but on all wavelengths, as by using the plug-in type of coils, together with a variable condenser, the acceptor and rejector circuits can be quickly and accurately tuned. The whole unit merely consists of a combined parallel and series circuit, but in order to explain the action it is necessary to compare the resonance phenomena in a parallel circuit with the phenomena in a series circuit.

A parallel circuit consists of an inductance and a capacity in parallel. In our case both are variable. See Fig. 1. This circuit will have a resonant point at some wavelength determined by the position of the condenser dial and the size of the coil used. Now, if this circuit is joined to the aerial earth system of a receiver, and tuned to the incoming wavelength of any one of our broadcasting stations, it will act as a very high impedance in the main circuit, preventing the flow of current at the frequency which it is tuned to, but it offers no impedance to currents of other than this resonance frequency, which means that it provides an easy path to earth for all unwanted frequencies. Now, let us compare this phenomena with the series circuit.

Fig. 2 shows a variable condenser and a coil in series; the action of this circuit when tuned to resonance is exactly opposite to that of the parallel circuit. The impedance in this circuit is absolutely negligible, while in the parallel circuit it is very great.

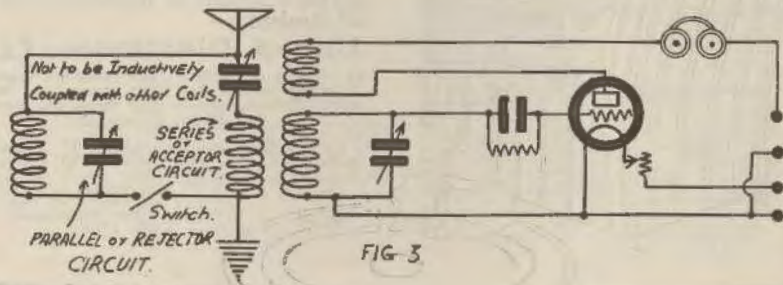
Now, the whole efficiency of the rejector-acceptor method of selectivity is due to this phenomena of the parallel and series circuits. Let us now see what is done by combining the two. See Fig. 3. Fig. 3 shows the completed hook-up of a one valve receiver



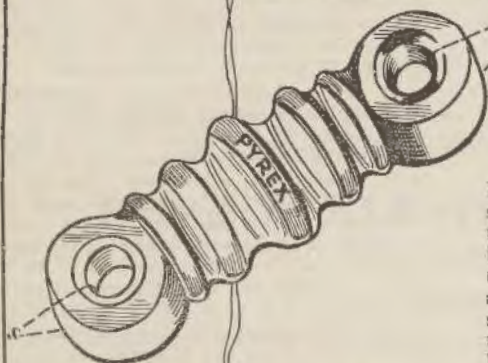
of the lower wave ones is somewhat of a problem, and in quite a number of cases is impossible.

To meet these altered conditions we advise our readers to adopt the rejector method of elimination as covered by this article.

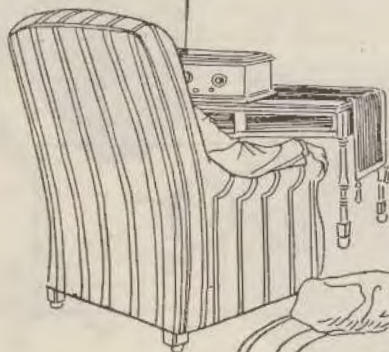
This rejector and acceptor method of selective tuning as described below is by no means new, as it has been in use in the British Navy for over 12 years. It is far superior to the ordinary wave trap method of eliminating interference, not only on one



THE IMPORTANCE OF PERFECT INSULATION EMPHASISED



PYREX Insulators



PYREX INSULATORS have improved his radio reception a hundred fold. Now he gets every bit of energy that is on the air. Pyrex Insulators really insulate—they don't let energy leak away.

PYREX is the trade mark of a special composition possessing distinctive electrical characteristics. It is not an ordinary glass—it contains no lead. It is homogeneous and of a continuous uniform structure, and so does not depend for its insulating properties on the surface glaze.

PYREX does not absorb water or attract moisture, and its smooth permanent surface prevents the collection of dust. It is mechanically strong and light in weight, and undoubtedly is the best insulating material obtainable.

QUAM CONDENSERS—the world's lowest loss condensers use PYREX insulation throughout.

PYREX INSULATORS are now standard equipment with the Udisco Super Six.

PYREX Broadcast Insulators, 3/6 at all Dealers.

United Distributors Ltd

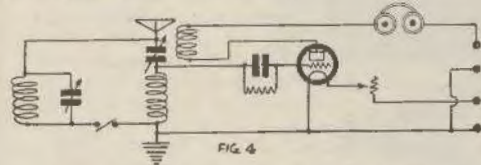
72 Clarence St., Sydney 343 Queen St., Brisbane
Cr. Jervois Quay & Har- 664 Bourke St., Melb.
ris St., Wellington, N.Z. 26 Queen St., Perth
27 Chesser St., Adelaide

The transmitting and receiving antennae of the McMillan Arctic Expedition are PYREX insulated. 34 Broadcasting Stations in the U.S.A. have recently replaced other insulators with PYREX. The U.S.A. Navy and Coast Guard Lighthouse and Air Mail Service specify and use genuine PYREX.

fitted with the acceptor-rejector method of selectivity. It would be unfair not to state that the operation of this combination is a little difficult, as the tuning is so very sharp. Once the adjustments are made, however, for a given station, it will remain the same, and by carefully recording the condenser dial settings for each station it is a simple matter to change from one to the other.

The Working Explained.

Before describing the method of tuning the whole receiver, let us first make sure that we know how it works. If we wish to tune our receiver to 385 metres, our rejector and acceptor (viz., parallel and series circuits) must also be tuned to 385 metres. The rejector circuit rejects the currents at this fre-



quency due to the high impedance that is introduced by the condenser being in parallel, but acts as a low resistance path to earth for currents of all other frequencies caused by interfering stations. Now, you will remember that the series circuit behaves just oppositely, so that if this is also tuned to 385 metres it will offer a high impedance to interfering frequencies, but forms a very easy path for the resonant frequency of 385 metres. In this way it accepts the current rejected by the parallel circuit and transfers it to the detecting unit.

There are several good types of wave traps available, all of which can be used to suit the requirements as laid down in this article. Always remember that the essential factor governing an efficient rejector circuit is low resistance. For this reason readers will be wise to use coils employing fairly large gauge wire. A circuit that has a large resistance cannot possibly tune sharply.

In conclusion, we would like to point out that

this unit can be attached to any type of tuner, either two coil, three coil, tuned plate or even with crystal detection, but a series tuning condenser in the primary circuit is absolutely necessary in any case.

Figs. 4, 5, and 5A show the unit fitted to a single circuit regenerative receiver and two crystal receivers. The single pole switch in rejector circuits of Figs. 3, 4, 5, and 5A should be broken for preliminary tuning. First obtain maximum volume with series condenser (and secondary condenser, if used), then close switch of rejector and tune to resonance. A decrease in volume will take place, but with a very slight alteration of secondary condenser the original volume will be obtained without any interference.

BROADCASTING IN IRELAND.

It is understood that the Free State Government intend to base their broadcasting system on that in force in Norway, and that small relay stations of 50 to 100 watts will generally be employed. The decision is based on the assumption that the number of licences to be expected is so small that bigger stations are not at present justified.

A STOLEN WIRELESS SET.

Thefts of wireless receivers have fortunately been uncommon in the past, but a recent case shows that even these instruments are not immune from the attentions of the light-fingered. A six-valve Zenith portable receiver was stolen from the London office of our London agents, the Colonial Technical Press Ltd., at 36 Southampton Street, Strand, W.C.E. on December 3.

USEFUL BROADCASTING.

Shorthand Speed Tests.

Lord Riddell, who is this year's President of the Pitman Fellowship, is to broadcast speed tests for shorthand writers from the London studio on January 7. He will dictate at speeds of 100, 150, and 200 words a minute, and will choose passages from celebrated authors.

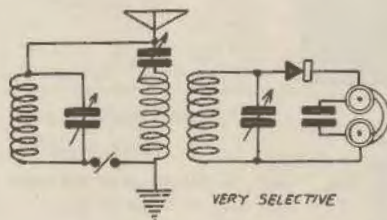


FIG 5

VERY SELECTIVE

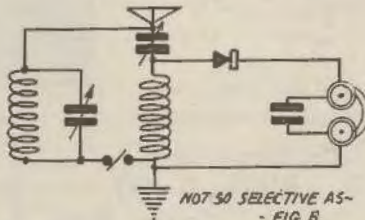


FIG 5A

NOT SO SELECTIVE AS - FIG 5

DRY CELLS FOR EVERY PURPOSE

ALWAYS ASK FOR

Diamond Radio Batteries

MORE THAN A MILLION SUPPLIED ANNUALLY.

TELEPHONE CELLS.

TELEGRAPH BATTERIES.

"Cost
More
To
Build."



"Cost
Less
To
Operate."

"A Radio Set is
no better than its
Battery."

"Diamond Bat-
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Sets Better."

Wireless A B & C Batteries Produced Expressly for Radio Transmission Reception Ignition Batteries

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AMALGAMATED WIRE-
LESS (AUST.) LTD.
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M. A. SEGUR LTD.
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HOLDSWORTH, MACPHER-
SON & CO.
Retailers:
ANTHONY HODDERS'
FARMERS LTD.
GRACE BROS. LTD.
HOWELL

Retail Price List BATTERY

A	1 1/2V "Cell"	2/6
A	1.5 "Busser" Lamp	3/0
A	1.5 "C" Westlight	5/6
A	1.5 "Dominion"	4/6
A	1.5 "Navy Special"	3/0
B	60 "Large Type"	15/0
B	45 "Large Type"	20/0
C	4.5 "Blanco"	2/9
C	4.5 "L'ge Special"	12/0
C	6.0 "Ignite"	15/0

NOCK & KIRBY
LASSETTERS LTD.
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RADIO HOUSE
COLVILLE-MOORE LTD.
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RADIO
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Every Cell is Guaranteed.

Made by Australians, in Australia, for Australians.

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Factory Representatives:

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1.5 Volt Dazzer.
High Amperage
35 amps Sht. Circuit

Navy Department
Public Works
Water Board
New South Wales Fire Bri-
gades,
Ordnance Stores etc.

Manufactured by

WIDDIS DIAMOND DRY CELLS
PTY. LTD.,

West Melbourne, Vict.

How to Shift Wavelengths Quickly

By WALTER WESTCOTT.

Now that there are growing a number of good stations from 200 metres up we oughtn't to forget about them. Our sets nominally will tune down to them. In nine cases out of ten, however, reception lower than 250 metres is very poor. This is due to the fact that the aerial system, which includes the aerial coupling or primary coil, has a "natural wavelength" of about 225 metres. This spoils short wave work by its absorbing effects. Usually it prevents a one valve set from oscillating near this wavelength.

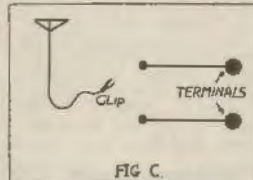
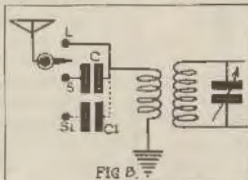
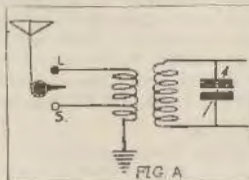
With a multitube set the aerial's natural wavelength causes similar trouble. If we doctor the coupling coil so that stations from 200 to 250 metres come in clearly we shall find, more than likely that the long wave stations are too weak, especially those DX stations on high waves. The simplest remedy is to reduce the size of the aerial coupling coil or else to insert a series condenser in the aerial lead, either of which changes may be accomplished by the simple movement of a switch. Thus we can go back to the original coil or connections quickly and get our regular stations as before. In case one's aerial is small the plan of "A" should be used, whereas with a long aerial the method in "B" is to be preferred. The latter is the simpler, and will do in both cases quite well, in case one doesn't wish to tap the aerial coupling coil.

A two point switch is necessary in either case, or still a simpler way is shown in "C." Here there are simply two terminals, Fahenstock clips

or machine screws, whatever is chosen, and the aerial lead is attached to a clip. Then it may be moved from one position to the other in a jiffy. At "A" the average or short aerial system is given. Here there is a two point switch or the clip method, whereby the aerial may be connected to either of two points. L is for the longer wavelength stations and S for those under 250 metres or 300 metres. The tap for S should go to a point including about one-half the aerial or primary coil P. The switch and points may be placed on the regular panel or on a small panel at one end of the set. Insulation should be good.

At "B" the other method is shown. Here there is no need for touching the set, and the whole thing may be done from the outside. It is suited to aeriels over 100 feet in length, counting the lead-in. At L, the longer wave stations are received. On S there is a fixed condenser of .0005 mfd. inserted in the lead wire for stations under 300 metres. One may as well go a step further and put in a .00025 mfd condenser C-1 at S-1, as shown by the dotted lines, for best results right near 200 metres. Coil P is all in circuit all the time, the shortening of the wave being accomplished by the series condensers.

The gain in volume and selectivity on the short waves is surprising. If you already receive all the way down to 200 metres easily you may be sure that the long wave stations are not coming in as loud as they might, with the exception, of course, of loop sets.



Broadcasting Stations of the World.

A Giraffe of Music.

The latest estimate—and it is an official estimate—of the number of broadcasting stations in the world places the figure at no fewer than 922!

Nine hundred and twenty-two stations, and all in rather less than four years.

Of this number more than half are in the United

States of America, where there are actually 566, leaving 356 distributed over the rest of the world.

Great Britain has 21, of which one is a very high-powered station (claiming to serve a population of 23,000,000 persons within crystal range alone), nine are main stations of 1½ to 3 kilowatts power, and the remaining 11 are comparatively low-powered relay stations.

THE HIGH COST OF BROADCASTING.

The Copyright Question.

In his memorandum of information submitted as evidence to the committee on broadcasting, the managing director of the B.B.C. remarked on the question of copyright that it would be necessary to secure protection in some measure against exorbitant demands, as at present no scale is fixed, and copyright owners, or commercial organisations acting on their behalf, can increase their demands yearly to an extent impossible to meet. It is of interest to note in this connection that the copyright fees paid by the B.B.C. are estimated to work out at four shillings per station for each dance item that is broadcast and five shillings per station for every other musical item. Relay stations are omitted. If, therefore, 100 copyright dance items are transmitted in the course of a week, the expenditure under this head alone is approximately £20 a week.

FOR SALE: Part Marconi Wireless Course; includes gramophone, 5 Morse Code records and Buzzer Set. A. PARKER, St. John's College, Camperdown.

H.T.4—30 volts. Similar in construction to the H.T.3. This model is convenient for those who prefer to have their high tension supply in 30 volt units. In hardwood case as illustrated.



CAV

Will improve your radio. These accumulators give 4 to 6 months use on one charge and are superior in every way to dry batteries. Obtain further particulars from Australasian Representatives: BENNETT & WOOD LTD., 284 Pitt St., Sydney, N.S.W.

CA Vandervell & Co. Ltd.
TRADE MARK PATENT LONDON W.1



H.T.3—60 volts. The Wonder Wireless Battery. Lasts for years and rechargeable over and over again. In Hardwood Oak stained case with carrying handle.

GEORGE FIELD

297 Hunter Street, Newcastle (Phone 1185)

and at Hamilton.

Your mail orders despatched same day at lowest ruling prices. Write for lists.

THE LARGEST AND OLDEST RADIO SUPPLY HOUSE OF THE NORTH.



Britain's BEST Batteries

are the outcome of 35 years' assiduous research by

PETO & RADFORD

who now enable you to enjoy worryless wireless by means of their

"Gravity Float" Batteries in which the little coloured floats indicate the state of discharge and warn you of the approaching necessity for recharge.

For full particulars of these interesting batteries, write to our Factory Representative:

John Arnold,
De Graves Buildings,
De Graves Street,
Melbourne; and

Box 1459,
30, Courtney Place,
Wellington,
New Zealand.

Announcement of Peto & Radford
(Proprietors: Pritchett & Gold and E.P.S.
Company, Ltd.),
50, Grosvenor Gardens, Victoria, London, S.W.1.

The Treatment of Glass Panels

SOME PRACTICAL EXPERIENCES.

By A.J.C.

Through purely "neighbourly" instincts, A.J.C., the writer of this article, is passing along the recipe for drilling glass panels. A.J.C. mentions that he is grateful for the many helpful hints he has received from other readers, and that this is a practical way of repaying them.

The conservation of electrical energy is the secret of wireless perfection. The more you can confine the current to the circuit of the receiver, the greater its power and efficiency. This fact has led to the construction of "low loss" gear of all conceivable types in the radio world. Almost every day some new device is marketed for the perfection of radio, both for reception and transmission. Glass panels are a step in the upward direction, not only adding efficiency to the receiver but also enhancing its appearance and cheapening its cost. If cost alone were considered, then glass is cheaper than any other panelling generally used by wireless constructionists.

The writer always desired glass from the first time he saw it exhibited in the city show windows, it appealed to me as the "De-luxe" form of radio receiver. But how was I to prepare it? Those holes in the glass seemed an impassable gulf between me and my cherished desire. I have crossed that gulf, however, and now would sooner use glass than any other di-electric substance made, and do not find the work of boring it much more laborious than any other panellings. It certainly takes a little longer but presents absolutely no difficulties.

I have just prepared a glass panel 21 x 9 for a four valve set, and was 5½ hours from the time of starting till the whole job was finished with parts mounted upon it all ready for wiring. There were 48 holes bored in it, all sizes from contact studs about 1/8th inch, to ½ inch holes for the jack mountings. The cost of my piece of 21 x 9 x ½ inch plate glass was 3/-, purchased at one of the large city warehouses during sale time, and now that the set is finished and in operation, there is no doubt as to the merits of the glass, both for appearance and cheapness, not to mention its di-electric value.

I simply used a brace, four three cornered files and some turpentine. I will go into details,

for I am sure there are those among radio fans who will be both pleased to try the process and with the results achieved.

First decide on the size of your panel. Then procure a sheet of plain paper the same size as your panel which should be ¼ inch plate glass. Upon the paper sketch exactly the positions of all your panel parts to be mounted, carefully and precisely marking the centres of each with a heavy pencil dot. With a few touches of paste here and there, stick the paper face up on the glass, level of course around the edges. The glass which is now ready to be marked should be laid on a flat table with a couple of folded pieces of old cloth or blanket under it to act as a pad. The one eighth (1/8) file is then placed in the brace, and its sharp point laid exactly on the centre dot of each hole to be bored, a slight pressure and a few turns of the brace will make a surface indentation in the glass ready for the actual boring. When all holes are thus marked, remove the paper, and the glass will be perfectly marked for the finished pattern.

Details of Drilling.

Every hole, no matter what its ultimate size may be, should be drilled with the one eighth (1/8) drill first, it is an easy matter to drill any of the holes afterwards with the larger sized files to the required dimensions. Always make the holes slightly larger than required.

Four different files did the whole of my panel, and all my rheostats and two condensers were of the three holes mounting type, but as the first markings on the paper were correct, there was no trouble with the screws, etc., when the mounting had to be done. I had to counter-sink for some of screws, but this was easy, using the largest file and just a few turns with the brace. Turpentine must be freely used all the time both for boring and countersinking.

To prepare the files, which should be three cornered, break them off at the widest part, seeing that when they revolve they make a circle the required size. A couple of shillings will buy all you need, while any old ones in the tool box will serve the purpose if they are the right size. Grind them on a wheel or stone on the three sides to

IF

BETTER RADIO PARTS ARE EVER SOLD AT LOWER PRICES THE

Economic Radio Stores

Will Sell Them

OUR POLICY is to sell HIGH GRADE GEAR at the LOWEST POSSIBLE PRICES.

AERIAL WIRE, 3 Strands 20-gauge Copper, per 100 feet	2/6	VALVES, "Badex," 201A, 6 volts .35 amp., American base	9/9
AERIAL WIRE, 3 Strands 22-gauge Enamelled Copper, per 100 feet	4/6	VALVES, Philips 1400, the Wonder Valve, 1 amp. at 4 v.	17/6
LEAD-IN WIRE, 7 Strands 22-gauge Braided Copper, per yard	2	VALVES, Philips A110 (1 Dry Cell, .06 amp.), American base	17/6
LEAD-IN STRIPS, Insulated for placing under window, each	1/2	VALVES, Philips DI, DII, DIV and DV Bright Emitters	7/0
INSULATORS, Small White Egg Aerial Insulators, doz.	1/0	HEADSETS, K. & C. Special, every pair guaranteed	18/6
INSULATORS, White Porcelain Barrel Aerial Insulators, each	4	RESISTORS, 50,000 and 100,000 ohm Resistors (Durham Patent)	4/9
INSULATORS, Black Moulded with Metal Eyes, each	5	RESISTOR HOLDERS, Holders for Gridleaks or Resistors	1/9
ARRESTORS, "Muter" Lightning Arrestors, each	3/6	SOCKETS, for 199 American Valves, each	2/0
INSULATED SOREWEYES, for suspending indoor Aerials, each	2	SOCKETS, Unassembled, for Sub-Panel use (Standard)	1/6
VARIABLE CONDENSERS, Improved Ormond with Dial, .0005	8/9	SOCKETS, English, base mounting for screwing down	1/5
VARIABLE CONDENSERS, Improved Ormond with Dial, .001	11/6	SOLDERING IRON, Don't pay 22/2/- Here's a reliable Electric Iron for	24/6
VERNIER BUTTONS, Friction Vernier Adjusters, 1/3		TERMINAL BOARDS, with Engraved Terminals, each	2/9
MARCO VERNIER DIALS, makes any Condenser a Vernier	16/0	"B" BATTERIES, Fresh Ever Ready, 60 v., 18/-; 42 v., 12/8; 31 volt	9/6
TRANSFORMERS, Crescent, 6 to 1 or 5 $\frac{1}{2}$ to 1 (highly recommended)	13/6	"C" BATTERIES, Fresh Ever Ready, gives 1.5, 3 to 4 $\frac{1}{2}$ volts	2/9
LOW LOSS CONDENSERS, 11-plate "Artcraft," a few left at	12/6		

Country Customers: We specially cater for you, and despatch goods where possible same day as order received. We pay carriage on goods to the value of 10/- and over, except on Batteries and Loud Speakers. Goods can be sent Value Payable Post.

BRING YOUR RADIO PROBLEMS to Mr. W. L. Hamilton at our Sydney Store every Friday evening, FREE.

"Yours for lower prices."

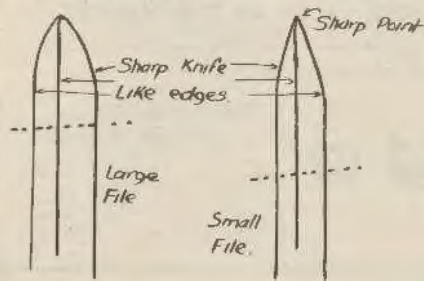
<p>The ECONOMIC</p> <p>28 Royal Arcade</p> <p>SYDNEY</p> <p>Phone B 5891</p>	<p>RADIO STORES</p> <p>569 Hunter St. West</p> <p>NEWCASTLE</p> <p>Phone, Newcastle 1622</p>
--------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------

a point. Not a long sharp point, but more rounded. The point must be kept sharp, and the tapering three sides that run to the point should be sharp also. These will naturally sharpen as you grind your file to a point, equally as possible on the three sides. Only half an inch of the boring end of the file needs thus sharpening. The 1/8th file particularly must have the sharp rounded point as it does the penetrating first, the larger ones need only rounding on the three sides which will thus become knife-like but need not be brought to a point, as the glass has already been penetrated and they act more like a countersink. Don't forget the turpentine. A small carborundum wheel or stone is required to keep the files on edge. I found I could do two holes with one sharpening, and about two minutes were required for one 1/8 inch hole. The larger files go through the 1/8th holes almost as quickly, and I was going to say again, don't forget the turps.

The bottom holes for the wood screws should be bored with a little room to spare, so that the shoulder of the screw will pass through safely should they not run in the baseboard truly. Glass will fracture if it is strained by crooked screwing. Use round headed screws, and place a radio washer between the head and the glass. Also see that the edge of the baseboard is true. Glass will not bend. All holes should be "roomy" as the components are then better adjusted and fitted, and there is no risk of fracture.

The holes should be bored from both sides of the glass. Bore each hole half way through, then turn the glass over and finish from the other side, taking care to have the drill exactly over the previous boring. When using the larger drills also, work from both sides of the glass. When once the files are ground into shape they only need a touch on the wheel or stone to keep them in grinding order. If turpentine is freely used a great amount of pressure on the brace is unnecessary, and the edges and temper of the drill will be spared.

Set the files squarely in the brace.



BULL FIGHTS AND BROADCASTING.

The "Union Radio" has introduced a novelty in setting up a service for broadcasting events in the bull ring in Madrid, which includes speeches from the leading toreadors. The microphone is set up in one of the boxes, and the novelty has made quite a sensation.

Source of Worst Interference.

In a test recently conducted by Radio Broadcast (U.S.A.) to determine the sources of interference on radio receivers, the following figures were derived:—

Radiating Receivers	50.7 p.e.
Spark Stations (Code)	18.5 p.e.
Static	13.5 p.e.
Fading	5.3 p.e.
Other Stations	5.3 p.e.
Man-made Static	5.2 p.e.
No Interference	1.5 p.e.

"LISTEN-IN."

An "Ode" to 3LO.

Do you feel so sad and weary?

"Listen-in."

Does your life seem dull and deary?

"Listen-in."

"List'ning-in" will chase your sorrow,

Go and buy a set to-morrow;

If you have to beg or borrow,

"Listen-in."

When your heart is filled with anguish,

"Listen-in."

Why amongst the mourners languish?

"Listen-in."

Do not dwell on all the sadness,

No one's life is just all badness,

Radio will bring you gladness—

"Listen-in."

If you strike a heap of trouble,

"Listen-in";

Frowns will all your worries double,

"Listen-in."

If against bad luck you stumble,

Does it ever pay to grumble,

Or at fate to weakly mumble?

"Listen-in."

—Ruby Sykes Lyon.

Melbourne, Sydney, and Brisbane times are identical. New Zealand time is one hour and a half ahead of Sydney, Adelaide is half an hour behind Sydney.

VALUE See these New Lines

"THOROLA" LOUD SPEAKER.

The Greatest Musical Instrument of Radio.
Pure Polished Bakelite Horn and Gold Throat
Band. **VALUE £4/10/-.**

LOW LOSS CONDENSERS.

WONDERFUL VALUE!

"American" 23-plate Low Loss Condensers at
12/6.

NEW "B" BATTERIES.

Burgess, 22½ volt	15/-
Burgess, 45 volt	30/-
Winchester, 22½ volt	13/6
Winchester, 45 volt	26/-
Eveready, 30 volt	9/6
Eveready, 42 volt	12/0
Eveready, 60 volt	18/-

QUALITY AND VALUE IN "B" BATTERIES.

CRYSTAL DETECTOR.

HARLIE, the Wonderful New Variable Detector	7/6
GILFILLAN Fixed Detector	7/-
NEUTRON Crystals	ca. 2/3

**A "HARLIE" WILL DOUBLE THE
VALUE OF YOUR BOY'S CRYSTAL
SET.**

VALVE SOCKETS.

Porcelain, 201A	4/-
Genuine Bakelite, 201A	3/-
Gillilan Brown Bakelite, 201A	5/0

RADIO REPAIRS AND BATTERY CHARGING.

Let us put your Set in thorough working
order. Advice is free. Quick Battery Charging
Service.

NEW MAR-CO PRODUCTS.

5 Plate Super Vernier Condensers	10/6
3 Plate Neutralising Condensers	8/0
Shur-Grip 'Phone Plugs'	5/-
Perfection Sta-put Plugs	3/6
Push-Pull Battery Switch	2/3

CLEARTON VALVES.

Backed by an Ironclad Guarantee. Ask for
booklet showing the remarkable characteristics
of these Valves.

CT-201A	17/6 each.
CT-199	

WHAT BETTER VALUE ?

LOUD SPEAKER & BATTERY CORDS.

Phone Cords, 5 ft.	2/9 and 3/6
Loud Speaker Cords, 5 ft.	2/9
Loud Speaker Cords, 10ft.	5/3
Loud Speaker Cords, 20 ft.	9/-
A and B Battery Cords	8/6

IF YOU VALUE YOUR VALVES, USE BATTERY CORDS.

PHILIPS PRODUCTS.

Philips Battery Chargers, £5/-/- and £8/10/-.
Simple, most efficient, no troublesome ad-
justments.

Philips Valves from 7/- each.

Ask about the Wonderful New B406 Valve,
17/6.

BRADLEY PRODUCTS.

Bradleystat	15/-
Bradleyleak	15/-
Bradleyswitch	4/6
Bradleyohm	16/-
Bradleyometer	22/-
Bradleyunits	10/-

THEIR VALUE IS KNOWN TO ALL.

THOROLA AUDIO TRANSFORMERS.

Model 350. Black	21/- ea.
Model 351. Black	20/- ea.
Model 321. Gold and Black	27/6 ea.

**BEST VALUE ON THE MARKET
TO-DAY.**

Obtainable from Leading Radio Dealers, or

Harringtons LTD

Wholesalers and Retailers

Photo. and Radio Warehouses

Sydney	385 George Street
Katoomba	Katoomba Street
Melbourne	265 Collins Street
Brisbane	93 Queen Street
Adelaide	10 Kundie Street
Wellington, N.Z.	42 Willis St.
Auckland, N.Z.	140 Queen St.

A Detector Unit

TRY YOUR SETS OUT FIRST.

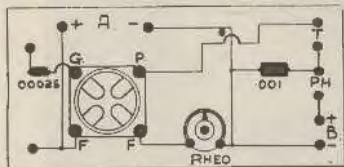
In order that you may try out various hookups, it is a good idea to have a separate detector unit available that may be tried out with various tuners (receiving sets). In this way you can try out a single circuit arrangement, two circuit set or any type of tuner you might desire to try or even something you may think might work better than existing hookups.

If a table mount rheostat is used, the outfit may be mounted on a baseboard of 5 or 6 inches square and about half an inch thick. It might look a little better if the rheostat and binding posts were placed on a panel and connected to a baseboard but they will not work any better.

Ten binding posts should be used, two for the input from the tuner; two for the tickler coil or other regenerative connections; two for the telephones; two for the B battery and two for the A battery connections. Where no tickler coil or variometer regenerative control is used, the posts marked T should be short-circuited by connecting a piece of wire across them. The by-pass condenser is connected across the telephones and B battery, while the grid condenser and leak are in series with the grid connection to the tube.

With a separate detector unit such as described in this article, you can test out several makes of tuners in an evening and in this way get a good idea of the operating characteristics of each one before incorporating any of them in a permanent set. It is much better to experiment with any of them in this detector unit than to put them in a cabinet and then cast them aside in the continuous search for something better.

It is a mistaken idea to suppose that a set must be in a cabinet to test it out. On the contrary, all you require are flexible leads to con-



nect the various parts of the tuner to the detector unit and test it in that manner. If your flexible leads are well insulated there won't be any danger of short-circuiting any of the circuits and then when the set you decide on is better than the others is mounted in a cabinet, it ought to work a little better than when you tested it, due to the direct connections between the circuits.

If you want to make a portable detector unit, use one of the small tubes for a detector that work efficiently on a try cell.

Testing Parts

SOME HANDY INFORMATION.

When the home made set is completed it does not always function as it should and sometimes does not work at all. The beginner is naturally up against it when he has bought all the parts and has the set wired up according to blue prints.

With a dry cell and an old pair of telephones, the beginner can test out the various circuits, and parts, and find out if the set is wired correctly and whether the different parts of the set are in good condition, such as coils being complete or open and condensers being shorted or good.

The material required is a 1½ volt dry cell and a pair of ordinary telephones. When you are testing a coil of wire, the telephones, coil of wire and dry cell are connected in series and when the circuit is made, or broken, you should hear a sharp



click in the telephones. If the wire in the coil is broken, you will either hear a faint click or not hear any. This arrangement is shown in the drawing and shows how the windings of a transformer are tested for open circuit. This method of testing will not show a short circuit but you need not worry about short circuits in your transformers because when they usually go bad, it is due to an open circuit.

All the coils in your set may be tested the same way, whether they are tuning coils, variometers, radio frequency transformers or audio frequency transformers. Rheostats are tested in a similar way although you can usually see where a wire in a rheostat is broken.

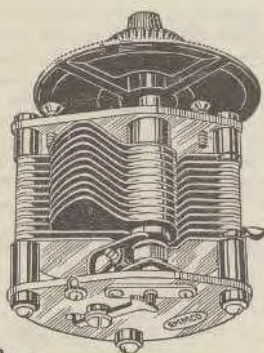
Results opposite with Condensers.

Condensers are tested in the same way but the results should be just the opposite to that of testing coils. If the condenser shows a complete circuit, it is defective but when open circuit is the result, it usually means the condenser is good but if one of the connections on the condenser is broke, it will also show an open circuit and this test may not seem a reliable one but if you put a screw-driver between the fixed and movable plates of a variable condenser it should show a complete circuit just as would be the case with a coil of wire.

A great deal of noise in a set is often traced to poor connections at the socket. Either the socket contacts do not spring up and touch the prongs of the tubes, or the springs or prongs may be dirty, making an imperfect contact. Where

(Continued on Page 21)

Emmco Radio Products



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

All Capacities with Direct Vernier.

Built like a Watch.

Most Minute Adjustment.

Absolute Insulation.

Grounded Rotor Metal End Plates.

Straight Line Wave Length. Square Law.

Most up-to-date Low Loss Condenser Made.

Buy



RADIO PRODUCTS

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

SEE THEM AT YOUR DEALERS

USE "PINNACLE" Honeycomb Coils

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

"PINNACLE" COILS FOR SHARP TUNING.
 (Note the Variety of Sizes.)

Sizes—	Turn	Unmounted, 1/5	Mounted, 3/4
20	"	1/8	3/8
25	"	1/8	3/8
35	"	1/10	3/10
40	"	2/-	4/-
50	"	2/2	4/2
60	"	2/4	4/4
75	"	2/8	4/8
100	"	2/11	4/11
125	"	3/2	5/2
150	"	3/6	5/6
200	"	3/10	5/10
250	"		

Obtainable from

The Pacific Electric Co. Ltd.

Wholesale
Only.

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



Reginald Wykeham & Co., who have broadcast a number of one act plays from 3LO.



Harry Ratcliffe, often heard from 3LO.



THE STAFF RESPONSIBLE FOR THE TRANSMISSION OF TEMPORARY 4QG. Standing, Left to Right: Mr. L. Shield (Accountant); Mr. W. Borden (Ass. Engineer); Mr. F. W. Stevens (Engineer); Mr. N. Cooling (Announcer); Mr. H. Scott-Macallum (Musical-Director). Sitting, Left to Right: Mr. C. Moran (Cadet Operator); Miss M. E. MacFarlane (Director's Secretary and Little Miss Brisbane); Mr. J. W. Robinson (Director); Miss C. Archdall (Typiste).



BANISH ISOLATION!

Have you yet realised what a tremendous difference RADIO can make to your social life?

How it can bring the music of the theatre and the concert hall right into your home!

Have you realised the difference between reception from an ordinary valve and one which is made by

PHILIPS?

We specially recommend the following two Valves:—

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

Price, 17/6 each.

B406. The New Wonder Valve. The B406 is in a class by itself, as it is the first Low Frequency Amplifier which attains a saturation current of 30 milliamps with a filament consumption of only 0.1 amp. at 3½ to 4 volts. Only a Two Cell Accumulator or Three Dry Cells should be used, thus showing a further remarkable saving.

Price, 17/6 each.

Obtainable from all Radio Dealers.

Ask your Dealer for illustrated folder describing these wonderful Valves.

PHILIPS

What They Write

BRICKBATS FOR TWO.

To the Editor.

Dear Sir,—There are a few remarks on page 33 of "W.W." that I cannot let pass unchallenged. The letter "No Confidence" wrote is, to say the least, ridiculous.

Whoever heard of an EXPERIMENTER hearing a noise, writing to the press, and saying he heard an American B.C. station? I rather think this would be the procedure followed by one of the B.C.L.'s he mentions. Certainly an experimenter would no more think of doing this than he would of connecting a "B" battery to the filament of his pet tool, hi!

Personally, I consider myself an experimenter; my log shows reception of "fone" from both American and English stations. I did not write to the daily press about this, and have QSL cards confirming this reception, as, I suppose, have many other experimenters.

All this reception was accomplished on my ordinary B.C.L. two valve set, which will tune from 30 to 30,000 metres, and on which no interference is experienced. (I do not live as close to 2BL as "No Confidence" does, though.)

He also says that anyone can listen to 3LO with a "super-het." or neutrodyne without experiencing interference from 3LO or flopping valves. Well, even though he is a B.C.L., he ought to know better than this, for as surely as some DX seeking joey heterodynes 3LO's carrier the resulting beat note will be heard by local listeners, no matter what type of receiver they use.

I would be much obliged if you would either show this to "No Confidence" or insert it in "Wireless Weekly."—Yours, etc.,

MARCO.

Continued from page 17

the external contact is made to the socket by a screw and nut the nut may become loose making an imperfect contact, which means noise as well as weak signals. Sometimes, with wire rheostats, the contact arm does not make good contact over the entire surface and after the battery has been in use some time and the arm must be moved farther along the wire, the set is noisy or the filament may burn bright then dim, due to the imperfect contact. The remedy is to take the arm off, give it more tension and clean it.

It is all the little things you do to your set in the line of tightening loose contacts and keep moving contacts clean that makes the difference between a set that picks up distances and is quiet and the noisy kind.

Tuning Regenerative Circuits

In tuning a circuit of the regenerative type with tickler coil the filament current should first be adjusted to a point below the normal filament brilliancy. The primary and secondary circuits are then adjusted to a condition of resonance with the incoming wave. The proper amount of regeneration is obtained by regulating the coupling between the tickler coil and the secondary. The filament current is next increased by gradually reducing the amount of resistance in the circuit to the point where signals come in loudly and clearly without howling or distortion. Under this condition the local oscillations have the same frequency as the oscillations radiated from the broadcasting station. It is a condition known as "zero beat," due to the fact that there is no frequency difference, consequently no beat note.

If the tuning is slowly varied either way from this condition of synchronism, a high-pitched whistling note will be heard, gradually falling in pitch until it is replaced by the speech or music. Further change causes a low whistling note, gradually rising to a shrill whistling sound. It is thus apparent that the tuning adjustments in a regenerative circuit and so critical it will be found advisable to provide vernier condensers and vernier rheostats. These permit very small changes in the tuning of the circuit and in the regulation of filament current, so that the point of maximum signal amplification may be easily obtained, and the sounds received will be free of distorting effects.

Ammonia quickly neutralises acid if the latter is spilled on the carpet.

German Progress.

At the end of the present year there will be 20 broadcasting stations in full blast throughout Germany. A number of the minor stations have recently increased their power. The press is giving more space to radio matters than ever before. Arrangements have been made for broadcasting numerous theatrical and operatic performances from Berlin, Munich, and Frankfort during the present season. Extracts from European programmes will also be relayed on occasions, and the decision to relay KDKA in the near future has been publicly announced.

"JOAK" Is Serious.

Japanese Broadcasting Station "JOAK" (Tokio), working on 375 metres, employs the services of Professor Chikao Fujisawa, of Kinshu University, to give addresses on Esperanto. Reports of reception of this station will be gladly received by this paper.

RADIO PANELS

To those who are about to build their own Radio Set, we submit the following. These prices of Bakelite we would mention are the lowest prevailing in Australia.

BAKELITE

Cut to any desired size

1/8in. $\frac{1}{2}$ d. per square inch

3/16in. $\frac{3}{4}$ d. per square inch

Diaphragms for Manhattan Junior Speakers, each 2/0

Filko-Stats. Your set deserves one, each 12/6

Vernier Attachments. 100 to 1 ratio, each 3/0

Accuratune Ultra- Vernier Dials each 25/0

Bakelite Valve Sockets (special line) American, each 3/0

Argus Lightning Arrestors, porcelain covers (approved by Fire Underwriters), each . . 7/6

Mick Simmons Ltd

THE WORLD'S GREATEST SPORTS STORE
Headquarters: HAYMARKET, SYDNEY

Before you
Expend
Money on
Radio
Equipment
Consult
Anthony
Horderns'
Wireless
Experts.

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

(Wireless -- Second Floor)

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Esperanto News

Position Vacant—Applications Invited.

The British Broadcasting Company has been in search of a man with the gift of tongues to fill the position of part-time announcer. The successful candidate must not only possess an extensive knowledge of German, Spanish, French, Swedish, Italian, and Dutch; he must be a man of wit and conversational resource, and must have an attractive personality.

Savoy Hill recently broadcast a half-hour's programme to Europe, including a talk by Mr. Lloyd James on "Problems of English Speech," and reading from English literature. Similar programmes are being repeated each Friday night, and the linguist is required to make the announcement of these programmes in the languages of the different countries to which they will be broadcast. But the duties will become much more important as the experiments in these international programmes are extended.

"We have had quite a large number of applicants," an official of the B.B.C. said. "There were men who boasted of a smattering acquaintance in French or one other foreign language, and others who had no knowledge whatever of any language. Three or four of the applicants, however, were fully qualified linguists, but by no stretch of the imagination could it be said that they possessed attractive personalities. Still, I am hopeful of procuring the right man."

It was not divulged what remuneration this gifted gentleman is to receive. No doubt the B.B.C. is still searching.

As a contrast to the above, just consider the full significance of the following short news item:—

"One of the many interesting features at the fourth annual Radio Exposition and Fair recently held at Grand Central Palace, New York, was a

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

world radio roll-call. The Radio Corporation of America broadcast a call in Esperanto from the transmitting station at the exposition, and within a minute acknowledgments were being received from the principal stations in several European countries, Japan, and the Argentine."

Comment is unnecessary beyond saying that this is only one of many practical tests proving the actual use of Esperanto. Draw your own inferences.

ANODE RESISTANCES.

For audio-frequency amplification using resistance-capacity coupling there is frequent difficulty in obtaining noiseless resistances. The best type of resistance is wire-wound and can easily be made by the experimenter who has a little time at his disposal. It is first necessary to obtain a 3in. length of ebonite rod, two inches in diameter, the rod having eight slots 1-10-inch wide and about a quarter of an inch in depth cut in it. Wind 30 turns of No. 47 D.S.C. resistance wire in the first slot, and then a similar number in the second slot in the same direction. It is now necessary to return to the first slot and wind the same number of turns in the opposite direction, and then perform the same operation with the second slot. Then, again reversing the direction, return to the first slot and proceed as before, afterwards dealing with the next pair of slots in the same manner, and so on. This process is undergone in order to make the resistances as non-inductive as possible. The actual amount of wire in each slot will depend on the value of resistance required, which should be not less than 40,000 ohms. A value of about 80,000 ohms is usual. The resistance of No. 47 S.W.G. Eureka wire is 214 ohms a yard.

KINKS IN PHONE CORDS.

Kinks in the telephone cords should be avoided, as they will ultimately break the fine braided wire. Make a practice of untwisting the cords each time the 'phones are used, and the cords will last much longer.

RADIO SET ON TIME PAYMENT

COMPLETE READY FOR USE

at Prices and Terms to suit every
pocket

Simple, Selective & Efficient.	12 Months' Guarantee
2 Valve Sets... ..	£ s. d.
3 Valve Sets... ..	15 12 6
4 Valve Sets... ..	21 10 0
5 Valve Sets... ..	27 10 0
"Udisco" Super	32 10 0
Six	110 0 0
De Forest D17	75 0 0
	TERMS:
	10 p.c. Deposit;
	balance in twelve months.

KEOGH RADIO SUPPLIES

503 GEORGE STREET, opposite Crystal Palace.

TELEPHONE CITY 870

Bring in that Distant Station

The latest development in Radio Frequency Amplification. Incorporates studs and leaping switch completely wired in cell suspended form ready for use, so that they can be fixed to simply mounting a wire hole back in the panel and connecting. A stud landing device is incorporated so that the spaced portions of the coil are always circuit, ensuring maximum efficiency over the whole band of wavelengths. Windings are enclosed in air-tight cover, giving protection from dust and damage.



TAPPED PRIMARY WITH
SELF TUNING SECONDARY.
NO CONDENSER
TUNING REQUIRED.

WAVELENGTH 300 TO
3,000 METRES. 24 S-KACH.

Free circuit of connections supplied with each order. While in ordering the circuit you are using and we will mail you a drawing showing how to set a stage of "Wonder-tone" High Frequency to your set.

READ WHAT ONE OF OUR MANY SATISFIED CUSTOMERS WRITES FROM MOSS VALE.

"I for many months writes to you about your WONDERTONE Transformers as they have given me such good results and it is only fair that others should have the opportunity of knowing that they are sound and true to label; not only this, but they seem to give much better results than one would expect from an instrument of this type. Here in Moss Vale I have a set with two stages of Wonder-tone Radio Frequency, the set has been so damped by adjustments of atmosphere and Voltmeters that it will not oscillate, hence it is not in a correct key state, despite the Payson's and H.K. Bellmoro, come through with unimpaired volume as a general rule. The most important point is that these two stations do not have to be tuned in, they are there and the condenser is merely used to control the volume. This certainly speaks well for the Wonder-tone Transformer, as it makes it possible to construct a satisfactory set with only one condenser, one capable of giving good volume on long distances. I might state that an interesting condition, or rather that state of sensitivity, has arisen on occasion, other stations come in quite readily.

This Transformer should appeal very strongly to nearby listeners in who are anxious to get good speaker strength on distant stations without introducing the difficulties of tuned stages."

Yours faithfully, (Signed) S. GOLDFIC.

A Long Life and a Bright One with the "Wondertone" Heavy Duty Accumulator

The Wondertone Accumulator is a 6 Volt 120 Amperes Hour capacity fitted in Elconite Container and enclosed in acid-proof box, with strong carrying strap.



85/-
Charged ready
for
use

90/-
Charged ready
for
use

Illustration of "Wondertone" Heavy Duty Accumulator.

C.A.V. Accumulators

6 volt 40 ampere hour	22/- each
12 volt 20	41/- "
6 volt 10	16/- "
4 volt 40	47/- "
4 volt 20	23/- "
1 volt 100	54/- "
2 volt 50	54/- "

Despatch Water for Accumulators 12/- per bottle. We employ a staff of Battery Makers to repair, rebuild, and recharge all makes of Batteries. Satisfaction guaranteed.

OUR GUARANTEE: We guarantee every article you buy from us to be satisfactory in every detail. If for any reason whatever you are dissatisfied with any article purchased from us, return quite free of all transportation charges and have paid, we will then exchange for exactly what you want, or we will refund your money.

OUR MAIL ORDER DEPARTMENT, 80 Goulburn Street, is under the supervision of a Well Known Expert, which ensures prompt dispatch, careful selection of packing and all details necessary for an efficient Mail Order service. We despatch within 24 hours. May we have your order?

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Don't "Starve" Your Set with Inferior Parts

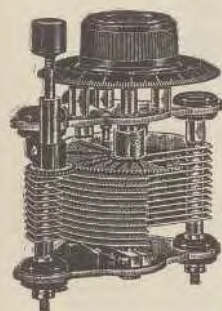
That 1925 Set is not up to to-day's Standard. Improve it with the latest parts. Here are the latest 1926 Productions:

HEATH CONDENSERS

BUILT LIKE A WATCH.

AT LAST—A NON-DIELECTRIC CONDENSER.

Strictly Low Loss



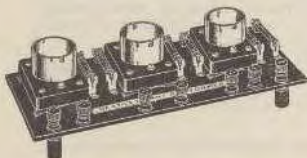
Capacity effects and dielectric losses are directly traceable to end plates of insulating materials. Heath's Condensers have sturdy aluminum and plates, grounded to entirely eliminate leakage, and any need for shielding.

Prices with micrometer, geared vernier, .001 35/6, .0005 30/-. .00025 27/-. Without geared vernier, 7/- less.

Dials, 4/- extra.

Heath Three-Stage Resistance Coupled Amplifier

Produces a purer tone and saves the cost of Transformers.



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

79/-

Instructions with every Set.

Obtainable at principal Radio Stores.

PARSONS & WHITTEMORE LIMITED,
30 MARKET STREET, SYDNEY.

Tremendous Reductions

IN SETS AND ACCESSORIES

Never such big reductions on Radio Goods before. Many prices are far below a quarter of the original price. There is a 2/- in the £ discount on top of this. Limited quantities only. Buy while the stocks lasts.

80/- AMPLIFIERS FOR 20/-

Atwater-Kent 2 stage Amplifiers. Useful for increasing Crystal reception. Usually, 80/-. Sale 20/-

VARIOCOUPERS & VARIOMETERS

Gilfillan. Usually, 59/6. Sale .. 15/-
Amrad. Usually, 32/6. Sale .. 7/6
Remler. Usually, 48/-. Sale .. 11/6
Remler with panel, 60/-. Sale .. 15/-

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Master .001. Usually, 32/6. Sale, 7/6
Walnut .001 Vernier, 40/-. Sale .. 15/-
K. & C. .001. Usually, 30/-. Sale, 15/-
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SWITCHES

S.P.D.T. Switches. 2/6. Sale .. 1/-
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COUPLING PLUGS

Remler No. 43. 5/9. Sale .. 2/3

FIXED CONDENSERS

Several sizes in Dubilier Fixed Condensers. Usually, 3/6. Sale 1/-

Less 2/- in the £ Discount.

DAVID JONES' SALE

Radio Dept., 22 York Street.

VICTORIAN NOTES

Church-Going by Wireless.

Going to church by wireless is a very modern innovation. It involves a much wider application of the old injunction, "Go ye into all the world," than was ever possible before to an individual preacher. In fact, it is likely to make some ministers lag superfluous in the pulpit. The congregation stays at home, and if the pastor has any message for them he will have to go out into the highways and by-ways of the ether to deliver his message. He who listens to a sermon from the loud speaker is subject to no such conventions as restrain him from yawning, going to sleep, reaching out for the latest novel, or shutting up the speaker.

On the other hand, there are always listeners to wireless sermons who would not go a step out of their way to enter an actual house of worship. They sit down in their shirt sleeves and light their pipes, and they mutter comments, and they are untroubled by snobbery and the arrogance of those who occupy the chief seats, so they simply sit back and give the preacher "a fair go." It is fast becoming a standard joke about the Broadcast Church that those who attend it enjoy the huge pleasure of dodging the collection, but the joke is something musty. The real reason why many people, among menfolk especially, keep away from church is that they dislike appearing to be "religious," they dislike the formality, the snobbery, and the intrusiveness of the average church official, and above all they can't reconcile the "collection" with the ostensible purpose of the service. The freewill offerings that pour into those churches whose services appeal to listeners-in give the lie to the statement that it is only the mean who listen-in.

There is also another aspect of the case. Worldly-minded people who refuse to listen-in to a church service are fond of describing religious folk as narrow-minded. The narrowness is typical of their own minds, and possibly with less excuse. Not to have sufficient breadth of mind to turn occasionally for a look at or a listen to those things that interest people of different tastes to our own is surely less excusable in the case of "men of the world" than in the case of those whose interests are bounded by the four walls of a suburban church. It must be admitted that hitherto the broadcasting of sermons and church services has been confined solely to the larger churches, where the minister usually has something to say and says it well, and where, besides that, there is always good congregational and individual singing and instrumental music of the best. Anyone who of a Sunday cannot spare time for such things, and who cavils at their broadcasting, has a

very narrow view of the world. But the men who have most to fear, and who should dislike broadcasting most cordially, are the conventional parson and the ranting missionary and the maker of vain repetitions, none of whose stuff will last long under the limelight of continuous broadcasting.

As wireless comes into its own there is likely to germinate a new Reformation that will surprise those who take the present-day church too much for granted. The easy-going way in which 3LO, for instance, transmits from Wesley Church on one Sunday, from St. Paul's on the next, and from some other later on, as if the denominations were but features in a variety show, is bound to make broadcast congregations sit up and take a bit of notice. It is likely to seem futile to broadcast differences of creed among a crowd of listeners-in composed of an indiscriminate admixture of all creeds. Creed must retire crestfallen into the background, or else (horrible alternative) each creed will have to instal its own station and do its own fulminating, jamming and being jammed eternally by all its rivals.

In the meantime it is highly diverting to the onlooking listener-in to note how diverse are the churches that owe their common boon of broadcasting to their natural enemy, the theatrical entrepreneur. The voice that breathed o'er Eden on Sunday fills in the rest of the week breathing o'er jazz palais, dressing-room, musical comedy, and shrine of fashion, not to mention stock exchange and newspaper office. Truly, the broadcasting station holds, as it were, the mirror up to Nature, besides giving to airy nothings a local habitation and a name. He who cannot spare an hour once a week to listen-in to church leaves one very wide field of human nature quite unexplored and one function of his own being undeveloped and unused. It is not so much a church-going as a church-coming when one listens-in to a really great preacher by wireless.

Wireless Uncles and Aunts of Australia,

The published photographs of the wireless uncles and aunts who adorn the various broadcasting studios of Australia reveal a very high level of personal appearance, far superior to those that may be seen in publications from beyond the seas. It would be invidious to particularise, but anyone who has seen the portraits of some of those excellent relations who do the business for the Children's Hour in, let us say, the studios of Timbuctoo, will agree that Uncle Tom-tom and Aunt Cassava are not prepossessing in appearance, and that it is a mercy wireless cannot transmit their faces as well as their talks. The same need not be said of those who hold similar positions in most of the Australian stations, although it must be confessed that perhaps it would be more of a mercy to transmit their faces rather

Our Annual _____
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 Extended to 14th FEBRUARY

**Large Reductions in all Parts
 and Sets**

	s.	d.			
Valves, 6 and 30 ohm, from ..	5	0	1 Valve Set, complete with all Accessories	\$5	5 0
Rheostats, from	1	6	2 Valves, complete with all Accessories and Loud Speaker	10	10 0
Valve Sockets, from	2	0	3 Valve Set, complete with all Accessories and Loud Speaker	15	15 0
Transformers, from	8	0	1 Valve Amplifier, complete with Valve and Batter- ies	3	3 0
Fixed Condensers, from	0	9	Crystal Set, complete with Phones and Aerial Gear	1	5 0
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Col-Mo .00025 Low Loss,	10	6			
Col-Mo .0005 Low Loss,	13	0			
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Atlas Speaker	£3	0 0			

AND A HOST OF OTHER LINES AT WONDERFUL VALUES.

WRITE FOR PRICE LIST

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

than their talks. There is a certain stodginess in many of the Children's Hours that is not redeemed by the pleasant features of those that stodge.

If we may take the published stories of some of the B.B.C. stations as any criterion, there is some very good material over there that might well serve as a model for Australian aunts and uncles to acclimatise. The telling of tales to children is a very special gift, but inability in that direction is hardly to be made up for by the interminable answering of letters, which at present seems to be the main function of the Children's Hour in some Australian stations. About once a week is enough of that sort of thing, and birthday greetings with all the inevitable "big, big hug and a kiss, and many, many happy returns of the day" become rather pleonastic after many vain repetitions.

"Do It Again, Mister!"

The keenest critics of anything new are to be found amongst the children of the community. Every critic, in fact, however, old and grey, is at heart a child, for he must be receptive of new ideas as well as retentive of the old. But he can hardly better the straightforward criticism of the simple child. A wireless enthusiast was lately letting his neighbours share with him the joys of a loud speaker. It was holiday time, and gathered round his front gate was a crowd of excited children pushing and chattering and listening-in. The Children's Hour was being broadcast, and as it neared its close up rushed a belated girl, just in time to hear the last farewell endearments of Billy Bunny. "What's on!" she asked, breathlessly. "Billy Bunny!" shouted the happy chorus. "Oh! do it again, Mister; I didn't hear it!" called out the disappointed one, and would not be comforted by the explanation that wireless, unlike history or a gramophone, could not be made to repeat itself. "Pooh! What's the good of wireless?" pouted the indignant miss, and the owner of the loud speaker felt himself dwindling before the assembled multitude of children. "What's the good of wireless? My father's got a phonograph, and you can play it over and over again!"

So the crowd melted away, nodding their heads. With unerring finger the late arrival had pointed out the one defect of wireless. They had heard a Billy Bunny story and could never hear it again. After all, what was the good of wireless?

"Blessed Be Static!"

Just as insurance companies like to insert a saving clause about "the net of God" or "the King's enemies" in their contracts, so wireless "experts" always find that blessed word "static" a very present help in time of trouble when they desire to explain away failure to do what they have invited the world to watch them do. That magnificent

and unprecedented broadcasting from WJZ and other stations in America, garnished with choice extracts from Mr. Elder and other Australian dwellers in the land of Uncle Sam, was for some reason or other a dud. It missed fire. Nobody got it. So they all with one consent blamed static. The disintegrated static was too strong for the United States. All that was heard was "faint music." Not that the very fact that "faint music" was heard is not in itself most interesting. The question ought to occur at once to everybody, "Why was the music 'faint'?" Does static blot out some notes or some harmonies and let others through? Here was a chance to test that interesting point. But no such test appears to have been made, although it ought to be well enough known by now to all serious experimenters that little things like static are merely sent to try us, and even to assist us in our experiments.

The static on the night of the American test was really a Godsend which Australian observers should have taken fullest advantage of. What a glorious opportunity for making a series of exhaustive and co-operation observations on this great bug-bear of long-distance reception! To hear America is nothing. Kids do it. If America had been heard on a dozen or a hundred sets nobody would have been a penny the worse or the wiser. So Providence sent along an overdose of static, just to see how Australian blowhards would stand it. They neither stood it nor understood it. It appears to have taught them nothing, and to have taught others only that the amateur lags superfluous on the stage of experimental wireless. All he said was "Bother the static!" and grumbled in the newspaper columns he contributes that the "best" was arranged just when static was known to be heaviest. Shorn of their academic air, his remarks were: "Give us a nice easy winter transmission, Cousin Jonathan, so as we can show the world how smart we are in doing what any schoolboy can do. Static is a job for a he-man, so cut out the rough stuff and give it to us and easy. We like jobs that'll feed out of our hands."

Which only proves again that we Aussies are an easy-going crowd. We apparently think butter is put on bread to make it slide down easier, and we grouse if our bread isn't buttered on both sides. Some of us got KDKA last year, and got it so easily we want to go on getting it till doomsday. But why do the same dead easy thing over and over again? Our motto is supposed to be "Advance, Australia!" but we forget to supply and to pause over the comma. No wonder we become comatose. On the contrary, let us all with one accord say these

Continued on page 31

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NO INTEREST.

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

Single Valve £9 10 0
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Weekly 0 3 3

Two Valves £13 15 6
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Three Valves . . . £21 0 0
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Four Valves . . . £25 0 0
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OPEN ON FRIDAY NIGHT.

Radio W'less Mfg. Co.

289 George Street,
Opposite Hunter Street.
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HOWELL'S SALE & EXCHANGE

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

	£	s.	d.
JEFFERSON STAR TRANSFORMERS	0	17	6
7 Bakelite Engraved Terminals on Bakelite Base	0	3	3
ADJUSTABLE SWITCH ARMS	each	0	0
.0005 VERNIER CONDENSER	0	11	6
.0005 Square Law Brass Plates, with Pigtail and Dial	0	9	6
.001 Condenser, with Dial	0	0	0
.0003 Condenser, Square Law Brass Plates, Pigtail & Dial	0	8	0
Ormond, .001 Vernier, Square Law Bakelite Ends	0	17	6
Ormond, .0005 Vernier, Square Law Bakelite Ends	0	15	6
Ormond, .001 Vernier, Square Law Low Loss	0	17	6
Ormond, .001 Square Law Low Loss	0	14	6
Ormond, .0005 Square Law Low Loss, Vernier	0	16	6
Ormond, .0005 Square Law Low Loss, Plain	0	12	6
Ormond, .00025 Square Law Low Loss, Plain	0	12	6
Egg Insulators	dozen	0	6
Columbia No. 6 Cells	0	2	6

HOW TO MAKE THE HOWELL REINARTZ STILL MORE SELECTIVE.

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

19 BARLOW STREET, SYDNEY
Open till 9.30 Friday Night

Phone MA 1133

"WETLESS" Fixed Mica Condensers

IN the new improved "WETLESS" high quality mica condensers are included several new and important features. They are now encased in the best of amber BAKELITE, and are rigidly clamped at ends by means of specially designed metal sheeting with double eyelet fixing. The highest grade of best quality mica is used throughout in conjunction with a good, sturdy gauge of specially selected foil. A newly developed impregnation is employed to exclude moisture, and the capacity is accurate and unvarying. Owing to the incorporation of both soldering tags and eyelets for screws, they can be readily placed in circuit in even the most inconvenient positions or may be used in the latest type Condenser Clip which has been evolved by the maker for such purpose.

A TYPE.	B TYPE.	B TYPE.	
.0001	.0001	.0001	2/-
.00015	.00015	.004	2/6
.00025	.00025	.005	4/-
.0003	.0003	.006	5/-
.0005	.0005	.0075	6/-
.001	.001	.01	7/6
.002	.002	.00025 with clips	3/-
1/9 each.	2/9 each.		

"WETLESS" Condenser Clip, 2/- each.

No need to solder condenser when using this condenser clip; capacities can be changed in a few seconds.

Unavailable to the Experimenter

Remember, the "WETLESS" Fixed Condenser has the highest grade Ruby Mica Dielectric, not paper. No SPECIFY "WETLESS."

AUSTRALIAN MADE.

Phone: Kog. 1156.

Manufacturer:

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

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Bring your troubles to me.
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I will remodel or re-wire your receiver, making every valve give of its best. Let me modernise your receiver. I will build you a set to suit your local conditions.

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

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FROM HERE AND THERE

Germany to Add More.

In Germany there are at the moment 20, and this number will shortly be increased by two, when that country will possess at least one of the highest powered stations in the world. France has 19. In Spain there are so far 13, but five more are projected. In Russia there are only seven, but this number will be doubled in a few months, and before the end of this year it is expected that no fewer than 30 will be in operation. Several extremely high-powered stations are included in the Russian scheme, which is, perhaps, only natural. Sweden has nine stations in operation and another in course of erection; Czecho-Slovakia, nine; Holland, five; Finland, four; Denmark, five; and in Jugo-Slavia there are three working and another under way.

100 in Canada.

Other interesting figures are those provided by Canada, where there are approximately 100 stations, of which 13 are in Toronto, 11 in Calgary, nine in Vancouver, eight in Montreal, and five in Winnipeg. Here, of course, there is also the finest railway broadcasting system which has yet been developed in the chain of stations operated by the Canadian National Railway.

India has only three to date, but there are two more being constructed.

Ceylon is comparatively well equipped, with no fewer than 10 stations.

South Africa possesses four, and there is one in the Canary Islands. Hongkong has two, but in the whole of China there are only two, although four more are likely to be built shortly.

A curious figure is that of Japan. There are so far only three stations working, but it appears that about 30 more are shortly to be set up—by American radio contractors, strangely enough.

Finally, the position in South America is worth noting. Cuba has 26 stations, but these are practically all of the low-powered type, some having an output as low as 10 watts. Mexico has 16, seven of

which are in Mexico City. In Havana there are 18, and in Brazil nine. The city of Buenos Aires claims 11 out of 12 in the Argentine Republic. Chile has two, Peru one, Uruguay two, and Venezuela one.

On the latest figures, Australia has eight "A" class stations and 14 "B" class.

Alarm by Radio.

Warning of Bush Fires.

Now that the hot weather is being accompanied by bush fires in almost every part of Australia, the broadcasting stations are sending warnings as occasion arises informing listeners where fires have occurred and the direction in which they are travelling.

Recently the Melbourne broadcasting stations interrupted the broadcasting of their church services to make known that the townships of Lilydale, Ringwood, and Doncaster East were threatened by fire, and to call upon volunteers to turn out to check the outbreak.

Already instances have been reported of the value of the S.O.S. call, and within the last month a resident of Eastwood, N.S.W., whose house was destroyed by fire during his absence, received notification of the fact whilst listening-in.

The Radio Broadcast Bureau has been informed that a line of 'buses plying between Mittagong, Bowral, and Moss Vale are being equipped with 3-valve wireless receivers. This is largely due to the value of radio as a fire-fighting agent, as the proprietors of the 'buses consider that if the police advise the Sydney broadcasting companies regularly of the outbreak of bush fires the companies can systematically call for assistance to specific locations and so bring help to struggling settlers. The Mittagong-Bowral-Moss Vale 'buses are ready to co-operate in carrying volunteer fire-fighters on any such occasion. The radio sets, of course, will be a source of entertainment to passengers at all times.

MILES PER WATT.

Mr. Trevor Evans, of Blayney, better known to amateurs as 2NS, recently worked A-4RB whilst using 12 volts and .25 M.A.'s (Weston M.A. meter used). As 4RB is about 500 miles away, this works out at about 166,000 miles per watt. This stunt was carried out from 2AM on January 22, using a wavelength of 87.5 metres with loosely coupled shunt fed Hartley circuit. Mr. Evans has since raised 7DX (Hobart) whilst using 45 volts and 4 M.A. His signals were reported at comfortable strength.

Continued from page 29

words in a loud voice for all the world to hear: "Blessed be static! Let it all come. We like it. It is meat in our mouths, music in our ears, and angel in our eyes, and clay in our hands, because we intend to master it and make it so." Static is one of the realities of everyday wireless, so why not make the best of it?



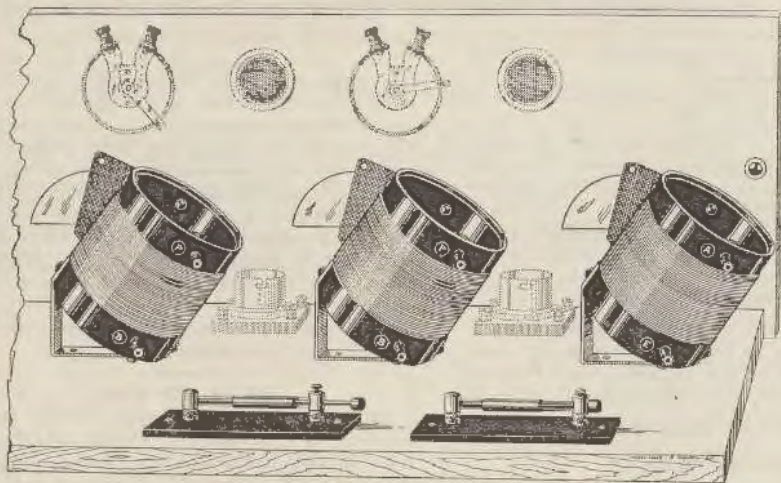
Grodan Neutrodyne Kits

FOR HOME ASSEMBLY

Neutrodyne kits ready to install offer the best inducement to those building a set for selectivity and distance. Price for Kits, viz.: 3 Neutrodyne Kits, 2 Neutrodyne Condensers, 27/6 each.

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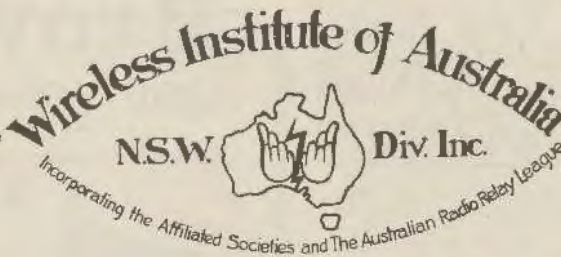
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Static Observations.

The checking and analysis of the static observation forms have proved a much longer and more difficult task than was at first anticipated. The mass of information that has been supplied takes quite a lot of going through. The work, however, is being steadily pushed forward, and the results will be published at an early date.

Weekly Notices and Lectures.

Attention is drawn to the weekly issue of notices, lectures, etc., from 2WI for the benefit of members of the Institute. These transmissions are given every Tuesday night at 9.30 to 10 p.m. on a wavelength of 100 metres, and members of this Division of the Institute and all affiliated clubs are invited to listen to these transmissions when notices concerning the activities of the Institute, Delegates' Council, Experimental Research and Traffic Bureau will be sent out, together with technical lectures on interesting subjects relative to the activities of the Institute.

These transmissions will take place immediately prior to the standard frequency transmission signals, and will be made a regular feature of the Institute's activities.

Standard Frequency Transmission Signals.

A revised schedule for these transmissions will be issued at an early date, and careful watch should be kept for the announcement of this new schedule, so that check can be kept on the standard frequency transmissions.

MacLurean Cup Competition.

RESULT OF THE THIRD QUARTER OF THE MACLUREAN CUP COMPETITION.

Club.	Total at beginning of Quarter.		Attendance.	Lectures, etc.	Experimental Work.		Total 3rd Quarter.	Grand Total.
	Membership.	Membership.			Work.	Work.		
Newcastle	646.84	- 8.25	41.33	150	220	430.17	1521.59	
Leichhardt	812.41	43.33	40.84	119	185	480.17	1242.58	
Waverley	794.2	18.75	59.6	150	185	373.35	1167.45	
Illawarra	609.83	4.75	27.27	70	210	312.03	921.86	
Croydon	648.15	—	72.6	220	50	342.6	890.75	
Strathfield	515.85	3.03	37.40	330	15	185.49	702.34	
Concord, 2nd Qtr.	158.75	-20	76.75	70	35	118.75	—	
Concord, 3rd Qtr.	—	12.5	84.5	70	25	129	469.50	
South Randwick	—	9.88	62.3	170	50	228.18	228.18	
		6669	6085	6085				

It should be noted that in the case of Concord Club a return was not forwarded at the end of the second quarter. The judges have, however, accepted a report covering this period, being satisfied with the explanation given by the club. This is, therefore, included in the above table.

It should be also noted that South Randwick has fur-

ished a report for the first time, and although this club has obviously no chance of winning the Cup this year, their initiative and sporting spirit in furnishing a report deserves the highest commendation, and indicates that they will be formidable rivals in the competition for the Cup next year.

The judges in the MacLurean Cup Competition have had a very big task in going through the returns for the third quarter. The mass of matter sent in necessitated two sittings on this occasion, where one has always sufficed before. Congratulations are offered to the affiliated clubs on the excellence of the experimental work which has been done in most cases. The judges would emphasize that the greatest importance is attached to experimental work, particularly that involving club organization, and original work involving research is most particularly desired.

Newcastle Club, which is leading at the end of the third quarter, has done some exceptionally fine work in connection with experimentation, and are to be heartily congratulated on their initiative and progress.

The average attendances at the various clubs still maintain a high figure, and Concord with 84.5 are to be particularly congratulated. Increase in membership is in most cases also satisfactory. The full results are appended in the table below.

Special attention is drawn to the fact that there now remains one quarter before the final marking for this year is made. Matters are still in the balance, and it remains for the various clubs to make a final effort to attain the first place. Comparisons with the first and second quarters' markings show an interesting struggle for the first place, and the positions of the various clubs as they have altered shows that the competition is yet open for any club to win the prize.

Round the Clubs

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

THE LEICHHARDT AND DISTRICT RADIO SOCIETY.*

The 162nd general meeting of the above club was held at the club rooms, 176 Johnstone Street, Annandale, on Feb. 2 last. There was a good attendance of members, including a few of the old members, which was quite refreshing. Correspondence included a letter from the Institute, intimating that on all clubs' night was to be held at the Institute Headquarters on 18th inst., and would take the form of a debate, viz., high v. low loss apparatus, the Institute team to take the side of high. This club

intends to participate. The lecture of the evening was delivered by Mr. J. H. Coventry, entitled "My Experiences with the Three Coil Low Loss Circuit." The lecturer discussed very fully on the method of constructing for the highest efficiency, giving data for the various components and advice as to the quality of the parts necessary. The lecturer was wonderfully interesting, as evidenced by the numerous questions asked and the desire on the part of the members for minute particulars, so we can look forward to a few more large DLXists. The lecturer was accorded a hearty vote of thanks for his efforts. One outstanding feature of the lectures delivered this year is that they are all by the newer members, usually their first lecture, showing that the interest is there and also the willingness to disseminate any knowledge acquired during their experimentation. The Morse class was also started in earnest under the supervision of Mr. Coventry, the whole



Reading the "Philea Retainer," the official organ of The Philadelphia Storage Battery Coy., I find the following, which is of interest to us in Australia:—
 "Just to give some idea of the future possibilities for the selling of Radio, the U.S. Dept. of Agriculture has issued an official bulletin embodying country wide surveys showing that 90 per cent. of the farms of the country are without radio receivers."

Some time back I said that the time is surely coming when there would be no sale for cheap radio components, and that the public would turn towards higher priced but reliable goods.

My prophecy is being fulfilled more rapidly than I expected.

The sales of Burgess Batteries in the short time they have been on the Australian market is remarkable, and now as further proof we have Yaxley products.

The Yaxley lines were all regarded as being too high, although their outstanding quality was admitted. Now the demand for them is brisk, and, strange as it may seem, there is another make of similar parts selling at higher prices than Yaxley.

The Yaxley Radio Products' latest addition is the Air Cooled Rheostat and Potentiometer.

Radio Station KPDJ, Oregon Agricultural College, has been on the air since January, 1923, but because it had a power of only 50 watts its range has been limited. Convinced of the utility of Radio in the field of education, the college authorised a modern broadcasting station with power sufficient to cover the State. This station has an aerial input of 500 watts, and is equipped throughout with Phileo Batteries that supply plate voltage for the oscillators, modulators, and voice amplifier. They also furnish voltage for the grids of the tubes and for lighting the filaments. Use of batteries avoids noises that inevitably occur when a motor generator is depended upon for plate voltage.—(Advt.)

WHAT NERVE.

A radio announcer in America has challenged the radio audience to pick ten women comparable in any way to the ten leading men of the world.

At least we admire his nerve.

More than 35,000 messages were sent from the White Star liner "Majestic" during a recent trip across the Atlantic. This is equivalent to three and one-quarter words a minute during the entire voyage.

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of the younger members indulging in practice. The meeting closed at 10.45 p.m. The lecture for the next meeting, viz., Feb. 16, is on 'Aerial Construction,' by Mr. H. W. Loomes. Members can be assured of a very interesting lecture, as Mr. Loomes is a practical man and knows what he is talking about. Information regarding the activities of the above club are cordially invited, and should be addressed to the Hon. Sec., Mr. J. G. Arkell, 146 Hereford Street, Forest Lodge.

CANTERBURY WIRELESS CLUB (VIC.).

The annual meeting of the above club was held on the 28th ult. at 18 Northcote Avenue, Canterbury, when the election of office-bearers and matters relating to the future of the club were gone into. The club received with very deep regret the resignation of Mr. O. I. Falconer, whose services for the last several years have been gratefully appreciated. The club's transmitter, 2XU, is expected to be on the air shortly, and some half-dozen transmitting amateurs have joined up. It is hoped that many more local amateurs will join the club during the coming year. Any further details can be obtained by 'phone at Cauty. 2655.

Next meeting, Feb. 11.

THE CROYDON RADIO CLUB.*

On Saturday, Feb. 6, the above club held its weekly meeting, and, owing to the absence of the President, Mr. Bates occupied the chair. A report of the last delegates' meeting was given by the delegate, Mr. Thruin, and his actions confirmed.

Mr. C. W. Slade was elected to take place in the forthcoming debate at the All Clubs' Night at the Wireless Institute. Members were glad of the presence of Mr. G. M. Cuts at the meeting, as this gentleman has not been able to attend for many months. Mr. Cuts presented the club with a great number of wireless periodicals, which were received with thanks.

An interesting feature of the evening was a lecture given by Mr. Meid, which covered the types and uses of various valves.

All correspondence should be addressed to the Hon. Secretary, "Rhea," Hay Street, Croydon.

SOUTH BANDWICK AND DISTRICT RADIO CLUB.*

The usual weekly meeting of the South Bandwick and District Radio Club was held at "Raslie," See Street, South Kensington, on Monday, Feb. 1, when the committee had the pleasure of welcoming three visitors from the Leichhardt Club. These gentlemen were Messrs. Arkell, Loomes and Nordstrom, and we are pleased to say that they reported as having spent an enjoyable and interesting evening.

With a view to further encouraging such inter-club visits and of creating a state of closer co-operation between the clubs, it is intended in the near future to organise a number of small parties of our members to visit each of

the affiliated clubs in turn. As it is desired to see each of the other clubs in its normal working condition, no notice will be given, so club secretaries are asked not to complain on that score.

Mr. O'Brien opened the fifth night of the new syllabus with a short paper on 'The Fixed Condenser and its Uses,' in which he described its functions as a tuning, blocking, by-pass, and smoothing or storing agent. This was followed with a lecture by Mr. W. R. Hardy on 'The Development and Construction of the Valve,' in which the lecturer detailed the development of the valve from the early incandescent electric lamp with a carbonised bamboo filament, to the highly improved and efficient product of to-day. Considerable attention was also given to the modern methods and processes of valve manufacture, and to the nature of the materials and magnets used in modern valve factories.

The Morse classes and the A.O.F.C. class are now well under way with a strong enrolment of students, and it is very gratifying to see so many interested in the 'radio game,' who are enthusiastically determined to qualify as licensed experimenters. It is not yet too late to join up with the classes, but if anyone is desirous of doing so he should immediately make application to the Hon. Secretary, Mr. W. R. Hardy, whose address is now 197 Maroubra Bay Road, South Kensington. Inquiries re club membership or club activities will be welcomed.

GOULBURN AMATEUR RADIO CLUB.

On Monday night, Feb. 1, a meeting of the above Club was held at 110 Faithful Street, at 8 p.m., and the attendance testified to the keen interest which is being shown in the movement, another new member being nominated. An interesting debate on the howling valve nuisance occupied considerable time, and methods of overcoming this trouble and also of interference from electric motors were discussed, the Secretary being instructed to take certain action in regard to these matters. The meeting closed at 8.45 for Morse instruction class.

THE WIRELESS SOCIETY OF NEWCASTLE.*

At the weekly meeting on Feb. 2, Mr. Swain continued his series of lectures on the amateur's proficiency certificate, and this time dealt with condensers and resistances connected in alternating current circuits. The lecture proved very interesting, and as several of the members of the club expressed their intention of sitting for the amateur's proficiency certificate, these lectures should prove of very great assistance.

The club transmitter has been idle for the last few weeks, but it will be on the air again very shortly. Great interest is being taken in the MacLurcan Cup, for which this club is contesting, and everyone is eager to see the results of the last quarter's efforts.

Anyone interested in the activities of the society should get into touch with Mr. L. Wilson, c/o Messrs. W. G. Watson, 29 Hunter Street, Newcastle, who will be glad to give any information regarding club membership.

DE FOREST SUIT AGAINST RADIO CORPORATION DISMISSED.

According to reports from the Radio Corporation of America, United States District Judge Morris, of Delaware, on November 12, 1925, dismissed a suit brought by the De Forest Radio Telephone and Telegraph Company against the Radio Corporation of America. The De Forest Company claimed that the R.C.A. was infringing the De Forest "Audion" patents relating to vacuum tubes for radio purposes, and that the infringement consisted in the sale of vacuum tubes known as "Radiotrons," which had been manufactured by the Westinghouse Electric and Manufacturing Company and the Westinghouse Lamp Company. The De Forest Company asked for an injunction restraining these sales, as well as an award of profits earned by the R.C.A. and damages claimed to have been sustained by the De Forest Company

by reason of the sale. The R.C.A. defended on the ground that the sale of these Radiotrons was licensed. Judge Morris found that the Radio Corporation was not an infringer; that it had the right to sell these "Radiotrons," and therefore refused to grant the injunction, and denied the claim for damages and profits.

A group of Russian engineers have been searching the mountains of Russia in hopes of finding deposits which could be used as crystals in receiving sets. Up to the present time they have been unsuccessful.

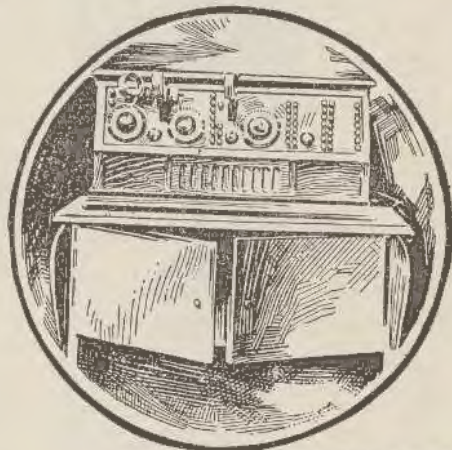
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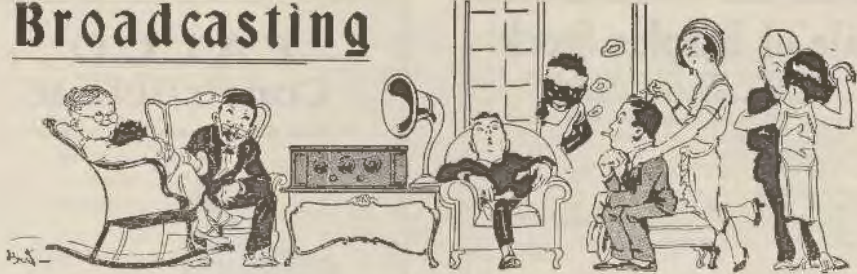
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FRIDAY, FEBRUARY 12.

- Morning Session (11.30 a.m.—2 p.m.)
- 11.30—G.P.O. Chimes.
- 11.31—Stock duo Art and Aonlan Vocalian Recitals.
- 12—G.P.O. Chimes.
- 12.1—News and Cable Service.
- 12.30—The 5CL Studio Orchestra will play: Selection: Betty (Rubens); cornet solo: The Rosary (Nevin); valve brilliant: A Minor (Clappin); Two Viennese Dances (Kreidler); recitativo: Thoughts at Twilight (Kendall); fox trot: Humulu Blues (Davis); waltz solo: Simple Ave (Thorne); waltz: Dreamy Moon (Schmidt); finale: The Red (Victor Herbert).
- 1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 2—G.P.O. Chimes.
- Afternoon Session (3 p.m.—5 p.m.)
- 3—G.P.O. Chimes.
- 3.1—Relay from Maple Leaf Cafe: Orchestral Numbers.
- 3.45—Broadcast from the Studio: Serial Story.
- 4—G.P.O. Chimes.
- 4.1—Broadcast from Arcadia Cafe: Orchestral Numbers.
- 4.55—Stock Exchange and Market Reports.
- 5—G.P.O. Chimes.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.30—Stock Exchange and Market Reports.
- 7.40—Sporting Talk by "Old Timer."
- 8—G.P.O. Chimes.
- 8.1—Studio Concert arranged by Miss Hilda Wheeler; piano duet: March Militaire, Miss V. Smith and Mr. E. Barker; song: Break, Break, Mrs. J. L. Davey; song: Drinking, Mr. H. Mumma; banjo solo: Spanish Romance, Mr. A. Edquist; song: Ina Donna Mobile, Mr. H. King; song: The Glory of the Sea, Miss Hilda Wheeler; cornet solo: The Rosary, Mr. A. Barker; duet: Watchman, What of the Night, Messrs. B. Mumma and Mr. H. King; violin solo: Selected, Miss Elisee Cashman; song: Softly Awakes my Heart, Mrs. J. L. Davey; song: Love's Garden of Roses, Miss H. Wheeler; banjo solo: Hunorezko, Mr. A. Edquist; song: My Dreams, Mr. H. King; duet: The Four Sunbunnies, Mrs. J. L. Davey and Miss H. Wheeler; cornet solo: Rosetta, Mr. A. Barker; song: Life, Mr. H. Mumma; song: A Memory, Mrs. J. L. Davey; banjo solo: The Klitzes, Mr. A. Edquist; song: Selected, Mr. H. King; violin solo: Selected, Miss Elisee Cashman; song: Rocked in the Cradle of the Deep, Mr. H. Wheeler; waltz: Twilight, Miss H. Wheeler; recitativo: Party, Accompanist: Mrs. A. Edquist.

- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Studio Concert, continued.
- 10—G.P.O. Chimes.

- 10.1—Studio Concert, continued.
- 10.15—Advertiser News Service.
- 10.30—Station Announcements: To-morrow's programme: National Anthem; Good-Night.

SATURDAY, FEBRUARY 13.

- Morning Session (10.30 a.m.—12 noon).
- 10.30—G.P.O. Chimes.
- 10.31—The 5CL Studio Orchestra will play: Overture: King Midas; cornet solo: The Last Dance (Gowan); fox trot: You're Just a Flower (Lucien Dennis); Intermission: Love's Message (Ellard); violin duet: Passion Tragedy (Lazaré Krein); violin solo: Slavonic Phantasy (Dvorak); selection: Lucia di Lammermoor (Donizetti); three Fourt: Vale (Goderidge Taylor); finale: Our Miss Gibbs (Mondrel).
- 11.45—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 12—G.P.O. Chimes.
- Afternoon Session.
- Sporting talk available.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.30—Market Reports.
- 7.40—A review of the world's chief sporting events.
- 8—G.P.O. Chimes.
- 8.1—Studio Concert arranged by Mrs. W. Keith Steward; Accompanist, Mrs. W. A. Gard. A.L.C.M.; Piano duets: 1, Tarantelle (Raff); Miss L. C. Cole and Mrs. W. Gard; 2, Polish Dance (Scharwenka); piano solo: Capriccio (Paul Wicks), Miss L. Cole; cornet solo: 1, The Prayer Perfect; 2, I'm Longing for You, Bandmaster D. Henderson; Ten minutes Talk: "Why Read?" Rev. A. H. Bell, M.A., B.D.; songs: 1, Danny Boy; 2, Fat little fellow with his Mammy's eyes, Miss Audrey Bell; songs: 1, Softly Awakes my Heart; 2, Bird of Love Divine; 3, Stolen Fruit, Miss Dulcie Walker; song: Selected, Mr. Jack Duvoy; duet: Messrs. C. Nixon and J. Duvoy; songs: 1, April Morn; 2, Fairy Shoes; 3, They Say, Miss Minnie Turner; songs: 1, Young Tom O'Devon; 2, Rita Ginnas; 3, Selected, Mr. Graham; songs: 1, O Had I Jahal's Lyre; 2, Mother Bird on a limb, my Blue G.; Selected, Mrs. W. Keith Steward; song: What a wonderful world it would be, Miss L. Day; mandolin duets: Misses Tasker and Kollz; ecclesiastical items: Miss Oldfield.

SUNDAY, FEBRUARY 14.

- Morning Session.
- 10.55—Broadcast from Parkside Baptist Church, Preacher, Rev. Bernard E. C. Tuck, B.A.; Organ Solitary: Miss G. Conroy; Sanctus; Lord's Prayer (chant); Hymn 12. Stand up and bless the Lord; Scripture Reading: Psalm 10; Talk to young folk; Song by Young Worshipper's League; Hymn 731, All Hail Bright and Beautiful; Announcements and Offertory; Anthem; Choir; Prayer; Solo: Mr. H. C. Higgins; Hymn 271, Speak to us Lord, Thyself Reveal; Address: Rev. Bernard E. C. Tuck, B.A.: "God, the daily Burden-Bearer"; Solo: Miss Doris Hubbard; Hymn 611, Lord Dismiss us with Thy Bless-

- ing; Benediction; Organ Closing Voluntary. Hymns from Baptist Hymnal. Evening Session.
- 6.30—Bedtime Stories for the Children.
- 6.45—Broadcast from St. Basil's Church, 8.20—Mr. F. J. Mills: Some Australian Characteristics.
- 8.45—Band Concert from Elder Park Rotunda; Station Announcements; To-morrow's programme: National Anthem; Good-Night.

MONDAY, FEBRUARY 15.

- Morning Session (11.30 a.m.—2 p.m.)
- 11.30—Studio duo Art and Aonlan Vocalian Recitals.
- 12—G.P.O. Chimes.
- 12.1—News and Cable Service.
- 12.30—The 5CL Studio Orchestra will play: Selection: Whirled into Happiness (Stolt); cornet solo: Sarcer miss you (Clay Smith); melody: Just a Love Song (Cooper); waltz: Gahweh Castle (Lita Lehman); fox trot: Havana (Schubert); waltz solo: Garden melody (Schumann); waltz: Little Rose in Tennessee (De Vull); instrumental trio: Prelude C. Minor (Chopin); selection: Pink Lady (Ivan Carl).
- 1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 2—G.P.O. Chimes.
- Afternoon Session (3 p.m.—5 p.m.)
- 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 and General Intelligence.
- 5—G.P.O. Chimes.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.30—Stock Exchange and Market Reports.
- 7.40—Sporting Talk by Mr. Boardright.
- 8—G.P.O. Chimes.
- 8.1—Special Band Night: S.A. Railways Band, under the baton of Mr. W. J. Thorne interspersed with vocal numbers by Mostyn Skinner and Miss Minnie Turner.
- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Band Night, continued.
- 10—G.P.O. Chimes.
- 10.1—Band Night, continued.
- 10.15—Advertiser News Service.
- 10.30—Station Announcements; To-morrow's programme: National Anthem; Good-Night.

TUESDAY, FEBRUARY 16.

- Morning Session (11.30 a.m.—2 p.m.)
- 11.30—Studio duo Art and Aonlan Vocalian Recitals.
- 12—G.P.O. Chimes.
- 12.1—News and Cable Service.
- 12.30—The 5CL Studio Orchestra will play: Selection: Fasquita (Franz Lehar); cornet solo: One Happy Day (De Coster); melody: I Love a Little Cottage (O'Hara); fox trot: Seventeen (Ross); selection: Bohemian

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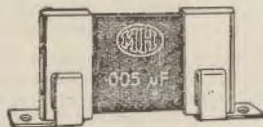
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0.015 to 0.04 μ F, 4/3	0.015 to 0.04 μ F, 6/6

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- Girl (Belles); violin solo; This (Masonnet); waltz; Louisiana (Fred); suite: You Poema (Frederick Hall); finale: Cairo (Fischer).
- 1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 2—G.P.O. Chimes.
- Afternoon Session (3 p.m.—5 p.m.).
- 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 and General Information.
- 5—G.P.O. Chimes.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.30—Stock Exchange and Market Reports.
- 7.40—Physical Culture Talk by Mr. Noel E. Hubble.
- 8—G.P.O. Chimes.
- 8.1—Studio Concert arranged by Madame Bernstein: Piano solo: Softly Awaken my Heart Transcription (Sant, Sanna), Mr. Hirst; song: A summer Night (Gavin Thomas); Madame Bernstein; violin solo: Rondine (Fritz Kreisler), Miss Bambini; song: Nita Citana, Mr. F. Charlton; song: Acta from Carmen, Miss Nita Petri; piano solo: Rain-bow Nocturne (Fahar), Mr. Hirst; song: The Rosary (Nevin), Madame Bernstein; violin solo: Dance Hougroise, Miss Bambini; song: So fair as a Flower, Mr. F. Charlton; song: Still as the Night, Miss Nita Petri; violin solo: Chant Hindu (Kinley Krutner), Miss Bambini; song: Symphony (Marshall), Madame Bernstein; song: Tom Brown, Mr. F. Charlton; song: Land of the Sky Blue Water, Miss Nita Petri; piano solo: Arlequin (Chambade), Mr. Hirst.
- 8.40—Cookery Talk Arranged by S.A. Gas. Co.
- 8.40—Studio Concert, continued.
- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Studio Concert, continued.
- 10—G.P.O. Chimes.
- 10.1—Studio Concert, continued.
- 10.15—Advertiser News Service.
- 10.30—Station Announcements; To-morrow's programmes; National Anthem; Good-Night.

WEDNESDAY, FEBRUARY 17.

- Morning Session (11.30 a.m.—2 p.m.).
- 11.30—Studio Chimes.
- 11.31—Stock duo Art and Aeolian Vocalist Recitals.
- 12—G.P.O. Chimes.
- 12.1—News and Cable Service.
- 12.30—The 5CL Studio Orchestra will play: Selection: Little Dutch Girl (Kalmán); cornet solo: White Moon (Mottel); capriccio: Autumn Gold (Bryman Power); fox trot: Pyjama Blues (Melville Morris); medley: Lassie O Mine (Walt); suite: Imaginary Ballet (Coleridge Taylor); waltz: Down Hawaiian Way (Hesney); oriental: Palatinos (King Frewster); finale, selection: Row's O'Reilly (Frans Ichar).
- 1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 2—G.P.O. Chimes.
- Afternoon Session (3 p.m.—5 p.m.).
- 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 and General Information.
- 5—G.P.O. Chimes.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.15—Health Talk arranged by Mr. A. M. Whittitour.
- 7.30—Market Reports.
- 7.40—A Talk on Poetry by Mr. A. M. Whittitour.
- 8—G.P.O. Chimes.
- 8.1—Orchestral Concert interspersed with vocal numbers.
- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Orchestral Numbers, continued.
- 10—G.P.O. Chimes.
- 10.1—Orchestral Numbers, continued.
- 10.15—Advertiser News Service.
- 10.30—G.P.O. Chimes.
- 10.30—Station Announcements; To-morrow's programmes; National Anthem; Good-Night.

- 8.25—One Step: Oh Baby.
- 8.30—Song: Selected, Mr. Gerald Healy.
- 8.40—Fox Trot: I want to be Happy; Tea for Two.
- 8.50—Waltz: Midnight Waltz.
- 8.55—Fox Trot: Let it Rain, Let it Pour; Kew-lucks (Guns as you're born).
- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Jazz Orchestra, Continued; One Step: Best Looking Girls.
- 9.6—Song: Selected, Mr. Gerald Healy.
- 9.20—Fox Trot: I Like a You; He played the Wedding March.
- 9.30—Waltz: Mexican Rose.
- 9.35—Fox Trot: Hard Roasted Hannah; Everything is O.K. in K.Y.
- 9.45—Song: Selected, Mr. Gerald Healy.
- 9.55—Fox Trot: Spain; I'll Take Her Back.
- 10—G.P.O. Chimes.
- 10.5—Jazz: One Step: Stop it.
- 10.15—Advertiser News Service.
- 10.30—Station Announcements; To-morrow's programmes; National Anthem; Good-Night.

THURSDAY, FEBRUARY 18.

- Morning Session (11.30 a.m.—2 p.m.).
- 11.30—Studio Chimes.
- 11.31—Stock duo Art and Aeolian Vocalist Recitals.
- 12—G.P.O. Chimes.
- 12.1—News and Cable Service.
- 12.30—The 5CL Studio Orchestra will play: Selection: The Count of Luxembourg (Frans Ichar); cornet solo: Fleur-de-lis (McGrook); flower solo: Three Danca (Bennett); serenade: Indian Dawn (Zanzenk); fox trot: Because of You (Fiorti); Instrumental trio: Traun Der Souvenir (Lohitjak); novelties: Fetele (Reynold); waltz: Hawaiian Love Nest (Vanderstoot); finale: Melody Maze (Slattor).
- 1.55—S. C. Ward & Co.'s Stock Exchange Intelligence and Official Weather Synopsis.
- 2—G.P.O. Chimes.
- 2.30—Afternoon Session (3 p.m.—5 p.m.).
- 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 and General Information.
- 5—G.P.O. Chimes.
- Evening Session (6.30—10.30).
- 6.30—G.P.O. Chimes.
- 6.31—Bedtime Stories for the Children.
- 7.15—Health Talk arranged by Mr. A. M. Whittitour.
- 7.30—Market Reports.
- 7.40—A Talk on Poetry by Mr. A. M. Whittitour.
- 8—G.P.O. Chimes.
- 8.1—Orchestral Concert interspersed with vocal numbers.
- 9—G.P.O. Chimes.
- 9.1—Weather Reports.
- 9.3—Orchestral Numbers, continued.
- 10—G.P.O. Chimes.
- 10.1—Orchestral Numbers, continued.
- 10.15—Advertiser News Service.
- 10.30—G.P.O. Chimes.
- 10.30—Station Announcements; To-morrow's programmes; National Anthem; Good-Night.

2BL

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FRIDAY, FEBRUARY 12.

- Afternoon Session.
- 3—G.P.O. Clock and Chimes; Weather Report and Social Notes from "The Sun."
- 3.15—Music from the Studio.
- 3.30—G.P.O. Clock and Chimes; A Talk on "Modern 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 "The Treasure of Ho."
- 4.45—Music from the Studio.
- 4.55—Late Market Reports from "The Sun."
- 5—G.P.O. Clock and Chimes; "Sun" News Service.
- 5.15—G.P.O. Clock and Chimes; Close down. Early Evening Session.
- 6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Cec. Morrison.
- 6.30—Sporting Resume from "Sun" Newspapers; Uncle George and the Kiddies.
- 7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.
- 7.50—Close down. Evening Session.
- 8—Broadcasters' Minstrel Show headed by Mr. Ward Lear, the well known comedian, will present a mixed programme. Miss Margaret McKenzie, soprano, will sing some of her most popular numbers. Ronald de World Travelogue by Mr. J. M. Prentice. Mr. Morgan will deliver his interesting weekly talk on "Motoring."

SATURDAY, FEBRUARY 13.

- Afternoon Session.
- 2—G.P.O. Clock and Chimes; Special Sporting Information broadcast direct from "The Sun" Office; Music from the Studio.
- 5.15—Close down. Early Evening Session.
- 6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Cec. Morrison.
- 6.30—Sporting Resume from the "Sun"; Uncle George and the Kiddies.
- 7—A talk to the Kiddies by Brings.
- 7.45—A talk on Roads. Evening Session.
- 8—Abad Day will be heard in Steel Guitar Selections; Mr. Billy Dick, songs at the piano; Reg. Harrison, comedian; Wm. J. Aspert, operatic baritone; Constance Upston, pianist; Miss R. Brown, soprano, will contribute to a most enjoyable programme. During the evening Mr. W. Fitzpatrick will speak on "Life at Sea" and Brings will entertain with his talks on the Aborigines. Dugogwan Modern Dance Band, Manly, under the direction of Mr. Chas. Thackers, will be broadcast until midnight.

SUNDAY, FEBRUARY 14.

- 3.30—Broadcasters' Instrumental Trio; Gladys Hart, soprano; Andre Navarre, baritone. At night, an illustrated lecture by Mr. J. M. Prentice will be broadcast from King's Hall, from the Studio, Norman Jackson, baritone, Broadcasters' Minstrel Orchestra.

MONDAY, FEBRUARY 15.

- 3—G.P.O. Clock and Chimes; Weather Report and Social Notes from "The Sun."
- 3.15—David Jones' Tea Room Trio.
- 3.30—G.P.O. Clock and Chimes; A talk on "A Century in English Literature" by Mr. J. M. Prentice.
- 3.45—Music from the Studio.
- 4—David Jones' Tea Room Trio.
- 4.15—Music from the Studio.
- 4.30—Serial Story entitled "The Treasure of Ho."
- 4.45—Music from the Studio.
- 4.55—Late Market Reports from "The Sun."
- 5—G.P.O. Clock and Chimes; "The Sun" News Service.
- 5.15—Close down. Early Evening Session.
- 6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Cec. Morrison.
- 6.30—Sporting Resume from "Sun" Newspapers; Uncle George and the Kiddies.
- 7.30—"Whats 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.

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Evening Session.

Newtown Band, broadcast from Industrial Hall, Newtown. From the Studio: Madame Iva Clarke, contralto; Roger Jones, baritone; Musical Sketch by Miss Tor London and Mr. Henry Robinson. During the evening Mr. C. C. Barnes will speak on "The Romance of United Fruit."

TUESDAY, FEBRUARY 16.

Afternoon Session.

3—G.P.O. Clock and Chimes; Musical programme under the direction of Mr. Joseph Bradley, broadcast from Burckin House — The Royal Prince Alfred Cafe.

4—G.P.O. Clock and Chimes; Music from the Studio.

4.30—G.P.O. Clock and Chimes; Serial Story entitled "The Treasure of Ho."

4.45—Music from the Studio.

4.55—Late Market Reports from "The Sun."

5—G.P.O. Clock and Chimes; "Sun" News Service.

5.15—Close down.

Early Evening Session.

6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Geo. Morrison.

6.30—Sporting Results from "Sun" Newspapers; Uncle Jack and the Kiddies.

7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Company.

7.50—Close down.

Evening Session.

From the Studio: Broadcasters' Trio; Norman Jackson, baritone; Stanley Galfrith, tenor; Harry Avondale, songs at the piano; Mary Charlton, pianiste. At 8.30 Miss Helen Jean Harding will tell "Mary Pickford as I found Her" and Mr. T. Alkin will speak on "Vitamines and Dietetics."

WEDNESDAY, FEBRUARY 17.

Afternoon Session.

3—G.P.O. Clock and Chimes; Weather Report and Social Notes from "The Sun."

3.15—Music from the Studio.

3.50—G.P.O. Clock and Chimes; Special Musical Session.

4—G.P.O. Clock and Chimes; Music from the Studio.

4.30—G.P.O. Clock and Chimes; Serial Story entitled "The Treasure of Ho."

4.45—Music from the Studio.

4.55—Late Market Reports from "The Sun."

5—G.P.O. Clock and Chimes; "The Sun" News Service.

5.15—G.P.O. Clock and Chimes; Close down.

Early Evening Session.

6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Geo. Morrison; Sporting Results from "The Sun."

6.30—Uncle George and Uncle Jack with the Kiddies.

7.30—The advancement of an Australian firm; George A. Bond & Co. Ltd.

7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Co. Ltd.

7.50—Close down.

Evening Session.

8—Broadcasters' Musical Show headed by Mr. Ward Lear and Miss Margaret McKeachie in mezzo soprano solo.

THURSDAY, FEBRUARY 18.

Afternoon Session.

3—G.P.O. Clock and Chimes; Weather Report and Social Notes from "The Sun."

3.15—Broadcasters' Instrumental Trio.

3.30—A talk on "Books" by Mr. A. C. Saunders.

3.45—Broadcasters' Instrumental Trio.

4—G.P.O. Clock and Chimes; Broadcasters' Instrumental Trio.

4.30—G.P.O. Clock and Chimes; Serial Story entitled "The Treasure of Ho."

4.45—Broadcasters' Instrumental Trio.

4.55—Late Market Reports from "The Sun."

5—G.P.O. Clock and Chimes; "The Sun" News Service.

5.15—Close down.

Early Evening Session.

6—G.P.O. Clock and Chimes; Pavilion Dinner Orchestra under the direction of Mr. Geo. Morrison.

6.30—Sporting Results from "The Sun"; Uncle Jack and the Kiddies.

7.45—Late Stock, Hides and Market Reports by courtesy of Australian Mercantile Land & Finance Co. Ltd.

7.50—Close down.

Evening Session.

8—Frank Shepard's Dramatic Company. Miss Daisy Mangau, coloratura soprano and Mr. Norman Wright, tenor.

2KY

WEEKLY BROADCASTING PROGRAMME.

TRADES HALL.

Call Sign, 2KY. Wavelength, 280 metres.

FRIDAY, FEBRUARY 12.

Afternoon Session.

2.30—A varied vocal and musical programme will be transmitted closing down at 4.45 p.m.

6.30—Children's Hour: "The Man in the Moon."

Evening Session.

7.45—Latest News Items; E.J. Gordon's Main Gilders' Jazz Orchestra; Miss Etne Didd, B.L.C.M.; Miss Maizie Carroll (soprano); Mr. A.H. James (baritone); and Mr. Board, Technical Director of 2KY, (Wireless Lecturer), and others to be announced.

SATURDAY, FEBRUARY 13.

Evening Session.

7.45—Latest News Items and Sporting Results; Mr. Eldridge (Lecturer, "Social Science"); Herbert Roberts (humorous solo and cuds), and others to be announced.

MONDAY, FEBRUARY 15.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted closing down at 4.45 p.m.

6.30—Children's Hour: "The Man in the Moon."

Evening Session.

7.45—Latest News Items; Miss Amy Rowland (soprano); Miss D. Johnstone (soprano); Miss Wood (soprano); Mr. J. Gray (baritone); Mr. W. Strain (tenor); Mr. Walter Faulkner (musical burlesque); Lecturette (Local Topics, Industrial and Political), Mr. J. S. Garden; Fredland's Dance Orchestra; Wireless Lecturers, Mr. Board, Technical Director of 2KY; 5th chapter of the Universal Chapter Play, "Perils of the Wild"; Serial Story will be broadcast from 2KY to-night.

TUESDAY, FEBRUARY 16.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted closing down at 4.45 p.m.

6.30—Children's Hour: "The Man in the Moon."

Evening Session.

7.45—Latest News Items; Mr. McKillop (Tramway Comedian); Miss Dorington (soprano); Cec. Morris and his Bird-bird's Jazz Band, and others to be announced.

WEDNESDAY, FEBRUARY 17.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted closing down at 4.45 p.m.

6.30—Children's Hour: "The Man in the Moon."

Evening Session.

7.45—Latest News Items; Miss Eileen Chartres (soprano); Miss Dean (pianiste); Mr. Dou Ellis (harmonica); Lecturette, International

Topics, Industrial and Political, Mr. J. S. Garden, and others to be announced.
THURSDAY, FEBRUARY 18.

Afternoon Session.

2.30—A varied musical and vocal programme will be transmitted closing down at 4.45 p.m.

6.30—Children's Hour: "The Man in the Moon."

Evening Session.

7.45—Latest News Items; Miss Haydon and Pice (concert duet); Miss Tibbia Smith (monologues); Miss Beekie Jones (concert); 6th chapter of the Universal Chapter Play, "Perils of the Wild," and others to be announced.

4QG

QUEENSLAND RADIO SERVICE.

Wavelength, 385 metres.

FRIDAY, FEBRUARY 12.

Midday Session.

12.55—Tune-in signal.

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

Night Session.

"Queenland Radio News" Concert: The "Queensland Radio News" Concert, organised and arranged by the editor of the "Queensland Radio News" and Mr. Erich John, will be relayed from Mr. Erich John's Studio.

8—Tune-in signal.

8.5—From the Studio of Mr. Erich John: Part I.: Vocal quartette, "Spring's Bright Glances" from the opera "La Sonnambula" (Bellini), the "Radio News" Vocalists; aria, "Vecchia Zimarra Senti," from "La Bohème" (Puccini); Mr. Fred Homer, baritone; instrumental, "Moment Musical" (Schubert), the "Radio News" Orchestra; aria, "Flown Forever," from "Maverick of Egipto" (Mozart); Miss Vera Morcom, pianoforte solo, "Valse in E Minor" (Chopin). Mr. Erich John, tenor solo, "Serenata" (Schubert), Mr. J. Lord, instrumental number, "War March of the Priests" (Mendelssohn), the "Radio News" Orchestra; vocal duet, "Miserable Scene," from "Il Trovatore" (Verdi), Miss Mildred Bell and Mr. Fred Homer; instrumental, "Norwegian Dance No. 5 (Grieg), the "Radio News" Orchestra; vocal quartette, "Sweet and Low" (Barry), the "Radio News" Vocalists.

8.50—From the Studio of 4QG: Weather information officially supplied by the Commonwealth Weather Bureau.

8.55—Announcements.

9—From the Studio of Mr. Erich John: Part II.: Instrumental, "Serenata" (Mozkowsky), the "Radio News" Orchestra; untrilled solo; negro spiritual, "I Got a Robn" (Burleigh), Miss Mildred Bell; instrumental, "Salut d'Amour" (Elgar), the "Radio News" Orchestra; bass solo, "Blow, Blow, Thou Winter Wind" (Sargeant), Mr. Bert Faithfull; vocal quartette, "Bonnie Mary of Argyll" (Scott, Air), the "Radio News" Vocalists; instrumental, "Chaconne" (Durand), the "Radio News" Orchestra; vocal duet, "Base of My Heart" (Loehr), Miss Maizie White and Mr. T. W. Griffiths; vocal quartette, "Do Ole Banjo"

Burgess—"They're used throughout the United States Navy"—Batteries

(Plantation Song), the "Radio News" Vocalists; instrumental, "Egyptian Ballet" (Luigini), the "Radio News" Orchestra.

- 9.55—From the Studio of 496: The "Daily Mail" news service.
10—Close down.

SATURDAY, FEBRUARY 13.

No midday transmission.

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

- 6.25—Tune in signal.
6.30—The Children's Hour. Nursery rhymes and music. Bedtime stories by the "Storyman."
7.15—Close down.

Night Session.

- 8—Tune in the Tivoli Theatre.
8.5—From the Studio. Coleraine soprano, "Mignon" (Thomas), Madame Bolhova pianoforte solo, selected, Madame Rimsky Korsakoff, baritone solo, "Sietzmann" (traditional air, Fallon), Mr. Charles O'Mara; Aeolian selections, instrumental numbers, (a) fox trot, "Me Nanyah" (Brown-Spender), (b) waltz, "Lovely Lady" (Rupp); contralto solo, "When the Sun Comes Out" (Barby) Mrs. Charles Willey; group of mouth organ solos by "The Sandman"; baritone solo, "Phil the Plater's Ball" (Collinson), Mr. Charles O'Mara; pianoforte solo, selected, Madame Rimsky Korsakoff; contralto solo, "A Song of Willy" (Somerset), Mrs. Charles Willey.
8.50—Weather information officially supplied by the Commonwealth Weather Bureau.

- 8.55—Announcements.
9—More mouth organ solos by "The Sandman"; soprano solo, "Oberon" (Walker), Madame Bolhova; banjo mandolin selection "All Alone" (Berlin), Mr. F. Butterfield; contralto solos, (a) "I Love You Truly" (Bond), (b) "The Dear Little Shamrock," Miss Vera Parer; banjo mandolin solo, "Swanee River Moon" (Clarke), Mr. F. Butterfield.

- 9.30—From Lennon's Hotel: By courtesy of the proprietors, an hour's dance music, played by Miss May Dobbys's Vice-Regal Orchestra, will be relayed from Lennon's Ballroom.
10.30—From the Studio: The "Sunday Mail" news service. Close down.

SUNDAY, FEBRUARY 14.

Morning Session.
The complete morning service from St. Andrew's Presbyterian Church will be relayed.

- 10.15—Tune in signal.
11—Morning Service. Preacher, the Rev. Norman S. Millar, B.A.; organist, Mr. B. Dalley Scarlett.
12.15—Close down.

Afternoon Session.
The band concert will be relayed from the Botanical Gardens.

- 3.10—Tune in signal.
3.16—Band Concert.
4.30—Close down.

Night Session.
The complete evening service at St. Andrew's Presbyterian Church will be relayed.

- 7.15—Tune in signal.
7.30—Evening Service. Preacher, the Rev. Norman S. Millar, B.A.; organist, Mr. B. Dalley Scarlett.

Band Concert: At the conclusion of the church service the concert provided by the Greater Brisbane Municipal Concert Band in Wickham Park will be relayed. The band will play—Overture, "Ariadne" (Wood); "Flower Song" (Lange) and "Humorske" (Dvorak); song, "The Love Nest" (Horach), Mr. Maurice Goldhill; fantasia, "Reminiscences of Rossini" (Godfrey); popular numbers, selected; song, "My Life for Thee" (Adams), Mr. Maurice Goldhill; selection from "Chu Chin Chow" (Norton).

- 9.30—Close down.

MONDAY, FEBRUARY 15.

Midday Session.

- 12.55—Tune in signal.
1—Market reports supplied by the Council of Agriculture, Stock Exchange information supplied by the Committee of the Brisbane Stock Exchange; weather information supplied by the Commonwealth Weather Bureau. "Daily Standard" news service. Close down.
The Children's Hour.

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

- 6.25—Tune in signal.
6.30—The Children's Hour. Nursery rhymes and music. Bedtime stories by "The Sandman."
7.15—Close down.

Night Session.

- 8—Tune in the Tivoli Theatre.
8.5—From the Studio: Baritone solo, "The Best Pat that I Had" (by request), Mr. Gerald Cashman; group

of mouth organ numbers by "The Sandman"; soprano solo, "Love's a Merchant" (Carew), Miss Eileen McLennan; lecturette, "The Coastal Radio Stations" (Mr. F. W. Stevens); cornet solo, "Harbour Lights" (Smith), Mr. W. H. Davies; baritone solo, "Heart of a Rose" (Ball), Mr. Gerald Cashman; group of banjo numbers by Mr. N. Gould; Aeolian selection, contralto solo, "I Heard You Go By" (Wood), sung by Miss Ethel Hook; violin solo, by request, "The Holy City" (arr. Lennox), Mr. H. Scott MacCallum; motorista's corner, a talk by Mr. W. J. Dunobin.

- 9—Weather information officially supplied by the Commonwealth Weather Bureau.

- 9.5—Announcements.
9.10—Baritone solo, "Ruben Ranzo" (Wentworth), Mr. P. C. Lloyd; cornet solo, "Alice, Where Art Thou" (Aseher), Mr. W. H. Davies; soprano solo, "Carissima" (Tom), Miss Eileen McLennan; group of banjo numbers by Mr. N. Gould; baritone solo, "Song of the Bow" (Aylward), Mr. P. C. Lloyd; mouth organ solos by "The Sandman"; Aeolian selection, contralto solo, "Somethink Sweet to Tell You" (Panning), sung by Miss Ethel Hook; cornet solo, "If Tom's your Pearl" (Von Tilzer), Mr. S. Henry; Duo Art selection, fox trot, "Peter Pan" (King and Henderson); cornet solo, "Zanette" (Percy Cole), Mr. S. Henry.
9.55—The "Daily Mail" news service.
10—Close down.

TUESDAY, FEBRUARY 16.

Midday Session.

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

8—Tune in the Tivoli Theatre.
8.5—From the Studio: Soprano solo, "Butterfly Wings" (Phillips), Miss Lillian Brown; lecturette, "Photography," by Mr. F. L. South (Mangor, Kodak Ltd.); baritone solo, "Threes for Jack" (Squire), Mr. J. B. Cloire; banjo mandolin selection, "Colorado" (Dellou), Mr. F. Butterfield; tenor solo, "As Long as the World Rolls On" (Ball), Mr. G. Williamson; elocutionary number, "Kissing Cup's Race" (G. R. Brown), Mr. G. W. Cowan; instrumental number, "Cupid's Pleadings" (Voelker), the Studio Trio; soprano solo, "Golden Dancing Days" (Clarke), Miss Lillian Brown; vocal duet, "Flow, Gently Devo" (Parry), Messrs. Cloire and Williamson; pianoforte solo, "Valses in C Major" (Liszt), Mrs. Hilda Woollmer; baritone solo, "The Last Rose of Summer" (Moore), Mr. J. B. Cloire.

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

- 8.55—Announcements.
9—Baritone solo, "Sea Fever" (Ireland), Mr. G. B. McCutcheon; elocutionary number, "The Shooting of Den McGrew" (Robt. Service), Mr. C. W. Cowan; banjo mandolin selection, "Spain," Mr. F. Butterfield; tenor solo, "Flag" (Massenet), Mr. G. Williamson; cello solo, "The Phantom Melody" (Kettlby), Miss Petropoulos; baritone solo, "Sympathy" (MacCallum), Mr. G. B. McCutcheon.

What are the wireless waves saying?



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9.30—From the Centennial Hall: By courtesy of the losses, half an hour's dance music by the Centennial Hall Orchestra will be relayed. The programme by the orchestra will include—waltzes, "Memory Lane" (L. Spier and C. Conrad), "Sad Hawaiian Sea" (Leo Roberts), "Araby" (A. Watson); fox trots, "I'll See You in My Dreams" (I. Jones), "No Wonder" (Joe Burke), "Because of You" (W. Hirsch), "Driftwood" (G. Kahn Lew Gold); one steps, "Nancy" (Ben Black, A. More), "O Kuchalina" (L. Wolf Gilbert), "If you knew Susie" (B. G. DeSylva), "Madeline" (O. Friend, A. Raer).

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

10—Close down.

WEDNESDAY, FEBRUARY 17.

Midday Session.

12.55—Tune-in signal.

1—Market reports supplied by the Council of Agriculture; Stock Exchange information supplied by the Committee of the Brisbane Stock Exchange; weather information supplied by the Commonwealth Weather Bureau; "Daily Standard" news service. Close down. The Children's Hour.

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

6.25—Tune-in signal.

6.30—The Children's Hour. Nursery rhymes and music. Bedtime stories by Little Miss Brisbane.

7.15—Close down.

Night Session.

Portion of to-night's programme will be supplied by the Federal Band's Radio Party.

8—Tune-in to the Tivoli Theatre.

8.5—From the Studio: Quartette, "Erin" (Round), the Federal Band Party; bass solo, "The Captain's Ditty" (Ellis), Mr. J. P. Cornwall; instrumental number, "Idyll" (Summer Evening) (Gerswert), the Studio Quartette; tenor solo, "A Little Wee" (Riedell), Mr. J. Lord; trombone solo, "Flight of Agos" (Bevan), Mr. Jas. Ross; lecture to farmers by Mr. R. Wright; soprano solos at the piano, (a) "Nepoleon to Josephine," (b) "Mario, Maria," Mr. John B. Bell. Instrumental duet, "The Moon bath raised her lamp" (Benedict), Messrs. Ball and Ross; bass solo, "When You Come Home" (Squire), Mr. J. P. Cornwall; cornet solo, "Zanetta" (Fior), Mr. J. Danah.

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

8.55—Announcements.

9—Quartette, "Albion" (Round), the Federal Band Party; tenor solo, "My Dreams" (Paolo Tosti), Mr. J. Lord; Duo Art selection, "Spring Song" (Mendelssohn); instrumental number, "Dreams of Fairyland" (Voelcker), the Studio Quartette; bass solo, "Tomorrow" (Fr. Keel), Mr. A. L. North; Aeolian selection, "The Boy and the Bird" (Clay), Mr. J. Lord; soprano solo, "Smile of Spring" (Pletcher), Miss Vera Morcom; instrumental number, "Wonderland of Dreams" (Abbott), the Studio Quartette; bass solo, "Rolling Rolling Stone" (Fisher), Mr. A. L. North; flute solo, "Bohemian Girl" (Balle Le Thiere),

Mr. E. Kelly; soprano solo, "Levors in the Lane" (Lohmann), Miss Vera Morcom; cello solo, "Carissima" (Elgar), Miss Petropoulos.

9.55—The "Daily Mail" news service.

10—Close down.

THURSDAY, FEBRUARY 18.

Midday Session.

12.55—Tune-in signal.

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

Night Session.

8—Tune-in to the Tivoli Theatre.

8.5—From the Studio: Cornet solo, "The Gift" (Bohrend), Mr. Frank Pfarr; Bookman's Radiette, a talk on latest literature by Mr. W. A. Bruden; Aeolian selections, (a) fantasia, "Madame Butterfly" (Puccini), (b) descriptive, "In a Monastery Garden" (Ketelby); baritone solo, "Little Shawl of Bias" (Hewitt), Mr. Chas. O'Mara; instrumental number, "The Skating Girl" (Ken Clark), the Studio Quartette; soprano solo, "The Girl with a Brogue" (Maneton), Miss Anna Burke; cornet solo, "A Little Love, A Little Kiss" (Sileas), Mr. F. Pfarr; baritone solo, "The Darling Girl from Clara" (P. French), Mr. Chas. O'Mara; Duo Art selection, "The Parade of the Tin Soldiers" (O'Hagan), tenor solo, "Bedouin Love Song" (Pianini), Signor Corti; pianoforte solo, selected, Miss Rae Phillips; tenor solo, "My Old Shako" (Trotter), Signor Corti; pianoforte solo, selected, Miss Rae Phillips.

8.50—Weather information officially

supplied by the Commonwealth Weather Bureau.

8.55—Announcements.

9—From the Band Room: An impromptu programme of music by the Greater Brisbane Municipal Concert Band, under the leadership of Mr. E. Jackson, will be relayed from the band's rooms.

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

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FRIDAY, FEBRUARY 12.

Morning Session.

12 noon—Time Signal.

12.15—1st Weather Forecast.

12.45—Events of the Day.

12.55—The Age News Bulletin.

12.15—Musical Selections.

12.30—Stock Exchange News.

12.35—Market Reports.

12.40—Musical Selections.

12.55—Mail Notices; Shipping Movements.

1— Hoyt's De Luxe, Musical Selections.

2—Close down.

Afternoon Session.

3.30—Musical Selections by Hoyt's Premier Orchestra.

3.45—Graphic News.

4—Time Signal.

4.1—2nd Weather Forecast.

4.30—Mr. R. Standley Haines (of Brunner's Pty. Ltd.), will give his weekly talk to the Children, on "Interesting Botany."

4.45—Selections by Hoyt's Premier Orchestra.

5—Close down.

Evening Session.

6.45 to 7.50—The Children's Corner by Uncle Rad. (1) The Besttime Story; (2) Talk on "Hobbies"; (3) The Children's Jig Saw Painting Competition.

8—Time Signal.

8.1—Mr. Fred Mitty; Special Racing Commissioner to 3AR; "Racing Anticipations."

8.10—Mr. R. Standley Haines: Gardening Talk.

8.25—Miss Fanny Lyndhurst (contralto).

8.32—Miss Maxwell Cowdroy (solo pianiste).

8.39—Mr. J. Lloyd Jones (tenorist).

8.46—Miss Hazel Ralph (soprano).

8.54—Mr. Roy Bamage (cello solos).

9.2—Mr. Walter Holder (baritone).

9.9—Mr. Mend. Cook (saxophone-soprano).

9.16—Miss Maxwell Cowdroy (solo pianiste).

9.23—Miss Fanny Lyndhurst (contralto).

9.30—Miss Nellie Walls (soprano).

9.37—Mr. Roy Bamage (cello solos).

9.45—Mr. J. Lloyd Jones (saxophone).

9.53—Mr. Walter Holder (baritone).

10—Time Signal.

10.1—The Age News Service, exclusive to 3AR.

10.15—The Premier Orchestra: Relayed from Hoyt's De Luxe until closing down. National Anthem.

SATURDAY, FEBRUARY 13.

Morning Session.

12 noon—Time Signal; 1st Weather Forecast; British Official Press News, received by 3AR's Operator from Rugby Super Wireless Station, (England); Events of the Day; The Age News Bulletin.

12.15—Musical Selections.

12.30—Stock Exchange News.

12.35—Market Reports.

12.55—Mail Notices; Shipping Movements.

1—Close down.

Afternoon Session.

3.30—Description while racing Warrain Hurdle.

3.30—Result of Federal Stakes.

3.5—Description while racing of Bond Cup.

3.30—Selections by Hoyt's Premier Orchestra.

3.45—Description while racing of Oakleigh Plate.

4—Time Signal; Hoyt's Premier Orchestra.

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4.20—Result of St. George Scales.
4.25—Hoyt's Premier Orchestra.
4.55—Result of Salisbury Water.
5—The Evening Amusement Guide.
5.5—Close down.

Early Evening Session.
6.45 to 7.30—The Children's Corner by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

7—Time Signal; Sporting Results; Local News.
8.15—Dance Night: The Rhythmic Dance Orchestra under the direction of Mr. George Lewis, relayed from the Maison De Luxe, Broadway, St. Kilda.

9.30—Week-End Traveller's Information: Supplied by the Victorian Railways Department and the Transvase Board.

9.50—The Maison De Luxe Orchestra until 11 p.m.
11—National Anthem and Close down.

SUNDAY, FEBRUARY 14.

Morning Session.

10.30—The Bells from St. James' Old Cathedral.

11—Service from St. John's Church, Latrobe St.; Hymn; Glory to thee who save his kapt; Venite; Psalm; 27; Lesson; Genesis XII, 1-8; 1. To Deum; Lesson; Matthew V, 1-16; Benedicere; Collects; Hymn; Father of Heaven; Prayer; Hymn; O Holy Ghost thy People Bless; Sermon; Rev. P. W. Robinson; Hymn.

Afternoon Session.
3—Service by the Order of the Star in the East, transmitted from the Queen's Hall, Collins St., Melbourne; Prayer of Invocation; Mr. Robert Lora (baritone solo); Miss Margaret Griffin (musical selections); Announcement and Offerings; Mr. C. J. White (baritone solo); Address: The Mysteries—Past and Future, by Mr. J. A. Farquharson, State Secretary for Victoria; Miss Wyn Oats (soprano solo); Invocation.

6.30—The Bells from St. James' Old Cathedral.

7—Service from St. John's Church, Latrobe St.; Hymn; Love Divine all here Excelling; Venite; Psalm; Lesson; Genesis XII, 1-8; Magnificat; Lesson; Luke, 1, 25-37; Nunc Dimittis; Anthem; How Lovely are Thy Dwelling Fair (Debus); Sermon; by Canon Lambie; Hymn; Jesu, Lover of my Soul.

8.30—From the Studio: Captain H. J. Larkin will speak on Aeronomics.

9—The Eclipse Grand Orchestra, under the direction of Mr. George Henry, relayed from the Eclipse Theatre, Fort Melbourne.

9.30—The Age News Bulletin, exclusive to 3AR.

9.55—National Anthem and close down.

MOONDAY, FEBRUARY 15.

Morning Session.

12 noon—Time Signal; 1st Weather Forecast; British Official Press News, received by 3AR's Operator from Rugby Super Wireless Station, (England); Events of the Day; The Age News Bulletin.

12.15—Musical Selections.
12.30—Stock Exchange News.
12.35—Market Reports.
12.40—Musical Selections.

12.55—Mail Notices; Shipping Movements.
1—Musical Selections relayed from Hoyt's De Luxe.
2—Close down.

Afternoon Session.
Richardson Trotting.

Results immediately after each race.
3.30—Selections by Hoyt's Premier Orchestra, under the direction of Miss Ella Brien.
3.45—Graphic News.

4—Time Signal.
4.1—2nd Weather Forecast.
4.5—Hoyt's Premier Orchestra.
4.55—The Evening Amusement Guide.
5—Close down.

Early Evening Session.
6.15 to 7.30—The Children's Corner by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

6—Time Signal.
8.1—Mr. A. L. Brown will speak on The Silk Industry.

8.20—Miss Kili Mills (contralto).
8.27—Miss Myrtle White (soprano).
8.34—Mr. Sydney Falk (clausist).

8.40—Mr. Lance Warren (baritone).
8.47—Miss Elsie Codo (soprano).
8.54—Elocutionary Selections by Mr. Pip Powell.

9.1—Miss Flora Beckett and Betty McCauley (vocal duets).
9.5—Miss Hilda Bartrop (contralto).

9.12—Miss Myrtle White (soprano).
9.19—Mr. Sydney Falk (clausist).
9.25—Mr. Lance Warren (baritone).

9.32—Miss Elsie Codo (soprano).
9.39—Elocutionary Selections, Mr. Pip Powell.
9.56—Miss Flora Beckett and Betty McCauley (vocal duets).

9.58—Miss M. Bessan (solo pianiste).
10—Time Signal.
10.1—The Age News Bulletin, exclusive to 3AR.

10.15—Hoyt's Premier Orchestra until closing down. National Anthem.

TUESDAY, FEBRUARY 16.

Morning Session.

12 noon—Time Signal; 1st Weather Forecast; British Official Press News, received by 3AR's Operator from Rugby Super Wireless Station, (England); Events of the Day; The Age News Bulletin.

12.15—Musical Selections.
12.20—Musical Selections.
12.30—Stock Exchange News.
12.35—Market Reports.

12.40—Musical Selections.
12.55—Mail Notices; Shipping Movements.
1—Selections from Hoyt's De Luxe.
2—Close down.

Afternoon Session.
Mourning Races.

Results immediately after each race.
3.30—Hoyt's Premier Orchestra under the direction of Miss Ella Brien.
3.45—Graphic News.

4—Time Signal.
4.1—2nd Weather Forecast.
4.5—Hoyt's Premier Orchestra relayed from the De Luxe.
4.55—The Evening's Amusement Guide.
5—Close down.

Early Evening Session.
6.45 to 7.30—The Children's Corner by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

Evening Session.
8—Time Signal.
8.1—Mr. Edna Ambler will speak on Musical Appreciation for the young.

8.15—Miss Elsie Mitchell (soprano).
8.22—The DeLuge Club String Quartet; 1st violin, Alice Davies; 2nd violin, Margaret Stewardson; viola, Len Chaplin; cello, Elma Sutherland.

8.36—Miss Irene O'Brien (mezzo-soprano).
8.43—Miss Sheila O'Brien (soprano).
8.50—Miss Alice Davies (violiniste).
8.57—Miss Margaret Groun (contralto).

9.1—Miss Edna Ambler will talk on Musical Appreciation for the Young.
9.18—Miss Alice Davies (violiniste).
9.25—Miss Irene Brown (mezzo-soprano).
9.32—The DeLuge Music Club String Quartet.

9.40—Miss Sheila O'Brien (soprano).
9.53—Miss Elsie Mitchell (soprano).
10—Time Signal.
10.1—The Age News Bulletin, exclusive to 3AR.

10.15—Hoyt's Premier Orchestra, exclusive to 3AR until closing down; National Anthem.

WEDNESDAY, FEBRUARY 17.

Morning Session.

12 noon—Time Signal; 1st Weather Forecast; British Official Press News, received by 3AR's Operator from Rugby Super Wireless Station, (England); Events of the Day; The Age News Bulletin.

12.15—Musical Selections.
12.20—Musical Selections.
12.30—Stock Exchange News.
12.35—Market Reports.

12.40—Musical Selections.
12.55—Mail Notices; Shipping Movements.
1—Selections by Hoyt's Premier Orchestra.
2—Close down.

Afternoon Session.
Richardson Trotting.

Results immediately after each race.
3.30—Selections by Hoyt's Premier Orchestra, under the direction of Miss Ella Brien.
3.45—Graphic News.

4—Time Signal.
4.1—2nd Weather Forecast.
4.5—Hoyt's Premier Orchestra.
4.55—The Evening Amusement Guide.
5—Close down.

Early Evening Session.
6.15 to 7.30—The Children's Corner by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

Evening Session.
8—Time Signal.
8.1—Miss Nancy Webb (solo pianiste).
8.6—Mr. Alan Herschel (baritone).
8.13—Miss Minnie Macka (soprano).
8.20—Mr. Phil Johnson (bass).
8.28—Mr. Robert May (cello).
8.35—Miss Dorothy Downie (contralto).
8.40—Mr. Leo Kelly (clausist).
8.47—Mr. Stanley Harrison (humorous entertainer).
8.55—Mr. Harry Webster (tenor).
9.20—Mr. Robert May (cello).
9.36—Mr. Stanley Harrison (humorist).
9.43—Miss E. Downie (contralto).
9.50—Miss Hilda Moore (solo pianiste).
10—Time Signal.
10.1—The Age News Bulletin, exclusive to 3AR.

10.15—Hoyt's Premier Orchestra, until closing down; National Anthem.

1—Hoyt's De Luxe, Musical Selections.
1.45—Close down.

Afternoon Session.
Moose Valley Races.

2—Description while racing of Handicap.
2.30—Result of Two Year Old Handicap.
3—Result of Moreland Handicap.

3.30—Hoyt's Premier Orchestra, under the direction of Miss Ella Brien.
3.40—Result of Glen Elgin Trial Handicap.
3.45—Graphic News.
4—Time Signal.

4.1—2nd Weather Forecast.
4.2—Hoyt's Premier Orchestra.
4.20—Result of Welter Plate.
4.50—Result of Welter Purse.
4.55—The Evening Amusement Guide.
5—Close down.

Early Evening Session.
6.45 to 7.30—The Children's Hour by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

Evening Session.
8—Time Signal.
8.1—Miss Nancy Webb (solo pianiste).
8.6—Mr. Alan Herschel (baritone).
8.13—Miss Minnie Macka (soprano).
8.20—Mr. Phil Johnson (bass).
8.28—Mr. Robert May (cello).
8.35—Miss Dorothy Downie (contralto).
8.40—Mr. Leo Kelly (clausist).
8.47—Mr. Stanley Harrison (humorous entertainer).
8.55—Mr. Harry Webster (tenor).
9.20—Mr. Robert May (cello).
9.36—Mr. Stanley Harrison (humorist).
9.43—Miss E. Downie (contralto).
9.50—Miss Hilda Moore (solo pianiste).
10—Time Signal.
10.1—The Age News Bulletin, exclusive to 3AR.

10.15—Hoyt's Premier Orchestra, until closing down; National Anthem.

THURSDAY, FEBRUARY 18.

Morning Session.

12 noon—Time Signal; 1st Weather Forecast; British Official Press News, received by 3AR's Operator from Rugby Super Wireless Station, (England); Events of the Day; The Age News Bulletin.

12.15—Musical Selections.
12.20—Stock Exchange News.
12.35—Market Reports.

12.40—Musical Selections.
12.55—Mail Notices; Shipping Movements.
1—Selections by Hoyt's Premier Orchestra.
2—Close down.

Afternoon Session.
3.30—Hoyt's Premier Orchestra.
3.45—Graphic News.
4—Time Signal.

4.1—2nd Weather Forecast.
4.50—Messrs. Ronbault of Paris, will give his weekly "Fashion Talk."
4.50—Special Jig and Gilt Report, supplied by Messrs. McKeith, Anderson & Co.
4.55—Evening Amusement Guide.
5—Close down.

Early Evening Session.
6.45 to 7.30—The Children's Corner by Uncle Peter. 1, The Bedtime Story; 2, Talk on Hobbies; 3, The Children's Jig Saw Painting Competition.

Evening Session.
8—Time Signal.
8.1—Lecturer: The Care of Infants.
8.15—Hoyt's Premier Orchestra under the direction of Miss Ella Brien.
8.30—Weekly Radio Chat, under the auspices of the Populace Radio Weekly, "Radio" (Mr. J. Leo Bain) will speak on "What is a Wave Length."
9—Dance Night: The Rhythmic Dance Orchestra, under the direction of Mr. George Lewis, relayed from the Maison De Luxe, Broadway, St. Kilda.
9.30—Hoyt's Premier Orchestra.
10—Time Signal.
10.1—The Age News Bulletin, exclusive to 3AR.
10.15—The Maison De Luxe Orchestra.
11—National Anthem and Close down.

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FRIDAY, FEBRUARY 12.

Midday Session, 12 to 2.
12—Time signal; "Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; weather forecast; river reports; shipping intelligence; Stock Exchange information; market reports.

1—Time signal.
1.1—The Studio Orchestra; musical director, Miss Bessie Gausson. Overture, "Kuryanika" (Weber).
1.9—Fox trot, "Hamadan" (Baer).
1.15—Cello solo, Miss T. Tiernan, "Meditation" (Gounod).
1.21—Orchestra, "Aurora" (Mehlden).
1.26—Selection, "Lucia de Lammermoor" (Donizetti).
1.41—Viola solo, Miss D. Roxburgh, "Cavatina" (Goeblitz).
1.47—Orchestra, selection from "Excelsior" (Zimmermann).
2—Time signal. Close down.

Afternoon Session, 3 to 5.
3—Time signal.
3.1—The Studio Orchestra; musical director, Miss Bessie Gausson. Symphony, "Frotta E Fiat Major" (Beethoven).
3.16—Cornet solo, Mr. Walter Smith, "Shepherd's Morn'g Song" (Soppe).
3.24—Orchestra, suite, "A Day in May" (Prini).
3.32—Miss Isobell Eckersall, "You Will Never Grow Old" (Drummond), "The Old Cook" (Buckley & Nunn Ltd., "Fashion Talk").
3.40—Instrumental Trio, "The Flower Song" (Armen) (Bizet), "Agnus Dei" (Fauriel).

3.47—Piano solo, Miss Agnes Fortune, "Nocturne B Major" (Chopin).
3.37—Orchestra, "In the Steppes of Central Asia" (Borodin).
3.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables.
5—Time signal. Close down.
Evening Session, 6 to 7.15.
6—Children's Hour. Stories by Billy Bunny, "The Little Wooden House," "The Magical Trip," "Houses of the Eagle".
6.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; market reports; closing Stock Exchange information; weather synopsis; shipping movements. Market reports by the Victorian Producers' Co-operative Co. Ltd.: Dairy cattle, sheep, carcass meat, grain, chaff, hay, straw, lute, dairy produce, potatoes, and onions.
Night Session, 7.30 to 11.

7.20—Under the auspices of the Development Australia League, Mr. Alberto Zelman, "Let us develop Australia, especially Australian Music."
7.40—Miss June Elvidge, principal girl in the pantomime "Aladdin" will speak from her dressing-room at His Majesty's Theatre, by permission of J. C. Williamson Ltd.
8—The Collingwood Citizens' Band,

march, "Anglo Oriental," "Lustspiel."

8.19—Mr. Norman Lee, entertainer, "If You Talk in Your Sleep," "Foolish Question."
8.23—The Moana Luta Duo, "Laxy Honolulu," "Medley of Popular Ales"; solo, Mr. Sparrow, "Perfect Day," "Yandie Kaddis Kee."
8.27—Miss May Daley, soprano, "Dan Capad," "The Meeting of the Waters."
8.43—The Collingwood Citizens' Band, "Tales of Hoffman"; duet, R. Spencer and A. Franks, "Excelsior"; hymn, "London."
9—Mr. Leslie Brunning, "Gardening Notes—Stocks."
9.15—The Collingwood Citizens' Band, fox trot, "Toy Drum Major"; cornet solo, J. Armour, "The Nightingale"; march, "Jack o' Lantern."
9.32—Mr. Kenneth Impett, baritone, "Sea Song" (Ireland), "God's Garden" (Lambert).
9.38—The Moana Luta Duo, "Aloha Oe," "Sweet Hawaiian Moonlight," "Kawahau Waltz," "Medley."
9.53—Mr. Norman Lee, entertainer, "Henry," "Can't You Feel I'm in Love?"
10.3—The Collingwood Citizens' Band, "A Musical Sketch."
10.18—Miss May Daley, soprano, "Poor Wandering One," "The Tryps."
10.25—The Collingwood Citizens' Band, grand march, "Aida," "March of the Soldiers."
10.30—Mr. Kenneth Impett, baritone, "A Snuggler's Song" (Mullinar), "The River and the Sea" (Jollinson).
10.46—The Collingwood Citizens' Band, waltz, "Destiny"; duet, J. Bolan & E. Stone, "Junior and Marn."
11—"God Save the King."

SATURDAY, FEBRUARY 13.

Midday Session, 12 to 2.
12—Time signal; "Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; weather forecast; river reports; shipping intelligence; Stock Exchange information; market reports.
1—Time signal.
1.1—The Studio Orchestra; musical director, Miss Bessie Gausson. Selection, "Daughter of the Regiment" (Donizetti).
1.14—Sulito, "Gmarr" (Hall).
1.26—Viola solo, "Hajre Kati" (Hubay).
1.32—Result of the Wreath Hurdle from the V.A.T.C. Meeting.
1.35—Orchestra, fox trot, "My Tango Girl" (Rupp).
1.41—Selection, "The Flying Dutchman" (Wagner).
1.51—"Springtime" (Drummond).
1.54—Fox trot, "Bombay" (Chaplin).
2—Time signal. Close down.
2.30—Result of the Federal Stakes.
3—Time signal.
3 to 5.

Afternoon Session, 3 to 5.
3—Time signal.
3.1—The Studio Orchestra; musical director, Miss Bessie Gausson. Overture, "Light Cavalry" (Soppe).
3.11—Result of the Bond Cup.
3.13—Orchestra, selection, "Miss Dolly Dollars" (Herbert).
3.22—"Cello" solo, Miss T. Tiernan, "Abendlied" (Schumann).
3.29—Orchestra, selection, "The Cabaret Girl" (Kern).
3.45—Result of the Oakleigh Plate.
3.48—Orchestra, "Mignonette" (Prini).
3.56—Fox trot, "Monte Carlo" (Lange).

4.1—Instrumental Trio, "Op. 171" (Gurilt).

4.10—Orchestra, waltz, "If the rest of the world don't want you."
4.21—Result of the St. George Stakes.
4.25—Orchestra, fox trot, "Ukulele Lady" (Whiting).
4.32—"Hum a Little Tune" (Ellis).
4.38—"Dance Orienta" (Lubomirsky).
4.40—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; sporting results.
5—Time signal. Close down.

Evening Session, 6 to 7.15.
6—Children's Hour. Stories by Mary Gombal: "Vespers," "Brownie," "How the Robin's Breast Became Red," "Queen of the Rose Garden," "Bill and his Parrot."
6.45—Sporting results; "Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; market reports; closing Stock Exchange information; shipping movements; weather synopsis. Market reports by the Victorian Producers' Co-operative Co. Ltd.: Grain, chaff, hay, straw, lute, dairy produce, potatoes and onions.
Night Session, 7.30 to 11.

7.20—Mr. Frank Chapman, A.L.S., "The Story of a Sand Dune."
7.40—Dr. J. A. Leach, "Birds of Australia—What is a Bird?"
8—Studio Orchestra, selection, "The Merry Willow" (Lesjak).
8.16—Mr. Eric J. Wood, baritone, "The Glory of the Sea" (Sanderson), "I Think" (d'Hardelot).
8.17—Miss Dorothy Roxburgh, viola solo, "Movement from Sonata No. 13" (Gade).
8.26—Mr. Eric J. Wood, baritone, "The Reply" (Zicelli), "Together" (Wynne).
8.30—Studio Orchestra, suite, "Andalusia" (Mircamontes).
8.40—A special programme arranged by Mr. Norman McEwan.
11—"God Save the King."

SUNDAY, FEBRUARY 14.

10.45—Morning Service from St. Paul's Cathedral.
Afternoon Session, 3 to 4.30.
3—Pleasant Sunday Afternoon Service from the Central Mission Wesley Church, Chairman, Rev. J. H. Cain.
Evening Session, 6 to 6.45.
6—Children's Hour. Stories by Billy Bunny; "Bible Battles" and other stories.
6.45—Close down.

Night Session, 7 to 10.
6.45—Evening Service from Wesley Church Central Mission, conducted by Rev. A. E. Atherton, M.A., B.D., and Rev. J. H. Cain.
8.30—Miss Harriet Bennet, Mr. Jack Keston, Miss Mabel Gibson, Mr. Alberto Zelman, Miss Agnes Fortune.
9.55—"Argus" news service.
10—"God Save the King."

MONDAY, FEBRUARY 15.

Midday Session, 12 to 2.
12—Time signal; British official wireless news; Rugby; Reuter's and the Australian Press Association cables; "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 reports.
1—Time signal.
1.1—The Studio Orchestra, "Musical Gems of Tchaikowsky" (Langey).

- 1.15—Miss Beryl Pratt, soprano, by permission of J. C. Williamson Ltd., "A Persian Song of Love" (McBurney).
 1.18—Miss Tasma Tiernan, cello solo, "Adagio" (Schubert).
 1.24—Miss Beryl Pratt, soprano, "Sing, Sweet Bird" (Hardt).
 1.27—Miss Dorothy Roxburgh, viola solo, "To a Wild Rose" (McDowell).
 1.32—The Studio Orchestra, "The Midnight Dream" (Schlegelregg).
 1.39—Miss Beryl Pratt, soprano, "Morning" (Speaks).
 1.42—Mr. Walter Smith, cornet solo, "O Summer Night" (Dunizetti).
 1.48—The Studio Orchestra, "Dance of the Dwarf and Giant" (Brooks).
 1.56—Fox trot, "Ukulele Lady" (Kahn and Whiting).
 2—Close down.

Afternoon Session, 3 to 5.

- 3—Time signal.
 3.1—The Studio Orchestra, "Rigoletto" (Verdi).
 3.2—Miss Frances Lea, soprano, "Pipes of Pan" (Monckton), "When Song is Sweet."
 3.27—Miss Bessie Gaunson, violin solo, "Rondino" (Beethoven-Kreisler).
 3.32—Miss Flora Pell, "Domestic Economy."
 3.47—Miss Agnes Fortune, piano solo, "Impromptu in A Flat" (Chopin).
 3.56—Mr. Herbert Walton in "Merry Monarchs."
 4.5—The Studio Orchestra, "Serenata" (by request) (Toselli).
 4.10—Miss Frances Lea, soprano, "Love, You're a Fraud" (Elliott), "At Dawning" (Cudman).
 4.17—Miss D. Roxburgh, viola solo.
 4.23—Mr. Herbert Walton, "More Merry Moments."
 4.33—The Studio Orchestra, suite, "Andalucia" (Miramontes).
 4.45—"Herald" and "Argus" news.
 5—Time signal. Close down.

Evening Session, 6 to 7.15.

- 6—Children's Hour. Stories by Billy Bunny: "Two Little Poems," "The Magical Trip," "Houses of the Earth."
 6.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables; market reports; weather synopsis; closing Stock Exchange information; shipping movements; market reports by the Victorian Producers' Co-operative Co. Ltd. Haymarket sales; fish market reports by J. R. Borrett Pty. Ltd.; fruit market reports by the State Fruit Advisory Board.
 Night Session, 7.40 to 11.
 7.40—Mr. C. R. Long, M.A., "The Bulletin School of Australian Poets—Realists."
 8—The Coburg Band (musical director, Mr. T. B. Davison), "Songs of the Brave" (Good), "Waltz Militaire Gromdler" (Rimner), "The Digger" (Code).
 8.17—Mr. Syd Exton, tenor, "Dolly Gray" (Barnes), "Songs of the Sea."
 8.24—The Coburg City Band, "Musical Fragments" (Kimmer).
 8.35—Interlude—the Celerys. Mr. Geo. Walker and Miss Jessie Bunting, Scottish artists, "My Bonnie Jean," "The Scottish Blue Belle," "The End of the Road," "Mary from Glen-garry."
 9.6—Mr. J. M. Hilford, bass, "The Gallants of England" (Gatty), "The Deathless Army" (Triller).
 9.12—Mr. J. Howlett Ross, "The Relief of Kimberley" (Feb. 15, 1900), concluding with a recital of "The Absent-minded Beggar."

- 9.35—The Coburg City Band, "Trooping the Colours" (Holloway).
 9.45—Interlude—the Celerys, "When I was Twenty-one," "Home of Mine," "There's a welcome waiting for you in Bonnie Scotland," "Moonlight & Roses."
 10.15—The Coburg City Band, "Military Church Parade" (Hume).
 10.25—"Argus" news services.
 10.28—Mr. Syd Exton, tenor, "Lads in Navy" (Byde), "Soldiers of the Queen."
 10.35—The Coburg City Band, "The Adjutant" (Hume).
 10.40—Mr. J. M. Hilford, bass, "Sergeant of the Line" (Squire), "Yeomen of England."
 10.47—The Coburg City Band, "Quarter Column" (Hume), "Peace with Victory" (Code).
 11—"God Save the King."

TUESDAY, FEBRUARY 16.

- Midday Session, 12 to 2.
 12—Time signal; British official wireless news from Rugby; Reuter's and the Australian Press Association cables; "Argus" and "Herald" news services; shipping intelligence.
 12.45—Stock Exchange information.
 12.50—Meteorological information; weather forecasts for Victoria and Tasmania, South Australia and New South Wales; ocean forecast; river reports.
 1—Time signal.
 1.1—The Studio Orchestra, "Maritana" (Wallace).
 1.16—Mr. E. Mason Wood, baritone, "The Floriana Hunter" (Willby).
 1.13—Miss Bessie Gaunson, violin solo, "Londonderry Air" (Tertis).
 1.20—Mr. E. Mason Wood, baritone, "My Dreams" (Tosti).
 1.24—The Station Trio, "Salve Dimora" (Gounod).
 1.35—Mr. E. Mason Wood, baritone, "Early Morning" (Peel).
 1.34—Mr. Walter Smith, cornet solo, "Romance" (Williams).
 1.41—Mr. E. Mason Wood, baritone, "Stone Cracker John" (Deates).
 1.46—The Studio Orchestra, "Fidelle" (Beethoven).
 2—Close down.
 3—Afternoon Session, 3 to 5.
 3—Time signal.
 3.1—The Studio Orchestra, suite, "By the Lake of Geneva" (Bendel).
 3.18—Mr. Kenneth Impett, baritone, "A Banjo Song" (Homer), "O Lovely Night" (Landon Ronald).
 3.20—Miss Dorothy Roxburgh, viola solo, "Intermezzo" (Brahms).
 3.27—Maestro Moreland, "Infant Weirare."
 3.37—The Studio Orchestra, "Songs from Shakespeare's Time" (Berch).
 3.42—Miss Jill Manners, soprano, "O Bird of Heaven" (Geck), "The Rain Fairy" (Arundale).
 3.56—Miss Tasma Tiernan, cello solo, "Tous les Fenillic" (Thome).
 4.3—Mr. Kenneth Impett, baritone, "The Wayfarer's Night Song" (Martini), "The Crown of the Year" (Martini).
 4.12—"Au Pair," of Buckley & Nunn Ltd., "Fashion Talk."
 4.20—The Station Trio, "No. XXI for Piano, Violin and Cello" (Haydn).
 4.33—Miss Jill Manners, soprano, "April Morn" (Batten), "The Little Brown Owl" (Sanderson).
 4.45—The Studio Orchestra, "The Woodland Fairy" (Grieg).
 4.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cables.
 5—Time signal. Close down.

- Evening Session, 6 to 7.15 p.m.
 6—Children's Hour. Stories by Mary Gurneat: "Dream Wings," "The Little House in the Wood," "The Flower Fairies," "The White Hare and the Croculla."
 6.45—"Herald" and "Argus" news services; Reuter's and the Australian Press Association cable news; market reports; weather synopsis; closing Stock Exchange information; shipping movements; market reports by Victorian Producers' Co-operative Co. Ltd.; Haymarket sheep sales; fish market reports by J. R. Borrett Pty. Ltd.; fruit market reports by the State Fruit Advisory Board.
 Night Session, 7.20 to 11.
 7.30—Under the auspices of the New Settlers' League, Mr. A. W. Glen-cross, "Farrer and Wheat Culture."
 7.40—Rev. F. Sinclair, M.A., "Epi-
 taphs."

- 8—The Studio Orchestra, overture, "Mireille" (Gounod).
 8.10—Miss Sylvia Van Asche, soprano, "Chanson de Florian" (Massenet), "L'Esclave" (Lalo).
 8.17—Miss Bessie Gaunson, violin solo, "Le Deluge" (St. Saens).
 8.22—Mr. Lance Fairfax, baritone, "Floga" (Massenet), "Villanelle" (Dell Aquino).
 8.29—Miss Tasma Tiernan, cello solo, "Allegro Appassionato" (St. Saens).
 8.36—Miss Sylvia Van Asche, soprano, "Te Souvenirs tu" (Goddard), "Man-mans diess moi" (Weckerlin).
 8.42—The Studio Orchestra, "Coppelia" (Delibes).
 8.49—Dr. Lofine Hills, "Question Night."
 9.4—Mr. Lance Fairfax, baritone, "The World is Waiting for the Sunrise" (Seitz), "I Heard You Go By" (Wood).
 9.41—"Argus" news service.
 9.45—Second act of "Aladdin," transmitted from His Majesty's Theatre, by permission of J. C. Williamson; Patrol, "Ting-a-Lee," chorus; duet, "Alabamy Bound," Floie Allan and Dorothy Dewar; song, "I'm afraid to hold my breath," Rupert Hazel; duet, "Oh! May Baird and Archie Thompson; song, "Pisnainny Blues," Jennie Benson; song, "Seminola," Bernard Manning and ballet; song, "Kippers," Broce Breen; song, "Tiny Town," Floie Allan, children, and the radiants; opening chorus, "Let's Look," the "Aladdin" Orchestra and chorus; song, "You Forget to Remember," Juno Elvidge; song, "Lotus Flower," Bernard Manning; song, "I'm Afraid of Love," Gus Bluel; gymnastic specialty, the 12 Wonderful Williamson Girls (arranged by Walne Shuska, supervised by Minnie Everett); song, "Sunny-side Sail," Jennie Benson; specialty, "The World's Master Uncle-still," Walter Nilsson; song, "Ukulele Lady," Jennie Benson and chorus; finale, "Here Comes the Bride," entire company.
 11—"God Save the King."

WEDNESDAY, FEBRUARY 17.

- Midday Session, 12 to 2.
 12—Time signal; British official wireless news from Rugby; Reuter's and Australian Press Association cables; "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 reports.
 1—Time signal.

- 1.1—The Studio Orchestra, selection, "Romeo and Juliet." (Grieg).
 1.12—Miss Peggy Lotie, contralto, "Baby" (Brown).
 1.15—Miss Tasma Tiernan, cello solo, "Abide with me" (Liddle).
 1.21—Miss Peggy Lotie, contralto, "Cavour Garden" (Gibbs).
 1.24—Miss D. Roxburgh, viola solo, "Berceuse" (Roxburgh).
 1.29—Miss Peggy Lotie, contralto, "My Mary Sweet and Brown" (Kulser).
 1.32—The Studio Orchestra, suite, "Don Quixote" (Strauss).
 1.41—Miss Peggy Lotie, contralto, "O Western Winds" (Brake).
 1.44—Mr. Walter Smith, cornet solo, "Flower Song" (Loage).
 1.50—The Station Trio, "For Piano, Violin, and Cello, Op. 1, No. 1" (Bachowen).
 2—Result of the Hurdle Race.
 2.30—Result of the Two-Year-Old Handicap.
 Afternoon Session, 3 to 5.45.
 3—Time signal, result of Moreland Handicap.
 3.2—The Studio Orchestra, selection, "Lilac Time" (Cluham).
 3.15—Miss Beryl D'vart, soprano, "Sol-vier's Song" (Grieg), "Live, Laugh, and Love" (Klien).
 3.22—Miss Beatrix Gunnson, violin solo, "Andantino" (Kreisler).
 3.29—Sister Purcell will speak on "Mothercraft."
 3.49—Result of Glen Eglon Trial Handicap.
 3.41—Miss Agnes Fortune, pianiste, "Caprice in A Minor" (Mendelssohn).
 3.51—Mr. Joe Delaney, baritone, "Nirvana" (Adams), "When I'm Home Again."
 3.58—The Studio Orchestra, "Trees" (Roshack), "Love's Sorrow" (Shelley), "When I Dream of the Last Waltz with You."
 4.14—Miss Beryl Pratt, soprano, "Love, the Vagrant" (Blust), "One Fine Day" (Puccini).
 4.21—Result of the Welter Plate.
 4.22—Miss D. Roxburgh, viola solos,

- "The Solitary Traveller" (Grieg), "To the Spring" (Grieg).
 4.28—Mr. Joe Delaney, baritone, "I Hear You Calling Me" (Marshall), "At Dawning" (Cadmam).
 4.35—Mr. Walter Smith, cornet solo, "Neath Aspiring Skies" (Cude).
 4.45—Choral Evensong from St. Paul's Cathedral.
 5.39—"Herald" & "Argus" news services; Reuter's and the Australian Press Association cables; sporting results.
 5.45—Close down.
 Evening Session, 5 to 7.15.
 6—"Children's Hour. Stories by Wally Bill: "New Tales of the Magic Circle," "The Adventures of the Sable Fairy."
 6.45—"Herald" & "Argus" news services; sporting results; Reuter's and the Australian Press Association cables news; market reports; weather synopsis; closing Stock Exchange information; shipping movements; market reports by the Victorian Producers' Co-operative Co. Ltd.; Newmarket sales; Job market reports by J. R. Burgess Pty. Ltd.; Fruit market reports by the State Fruit Advisory Board.
 Night Session (7.20 to 11).
 7.20—Mr. L. S. Bess, President of Victorian Railway Institute, "What the Institute is doing for Victorian Railways."
 7.40—Mr. A. E. McNickel, Librarian, City of Padman: "Rudyard Kipling."
 8—First Act of "Lilac Time," transmitted from the Theatre Royal, by permission of J. C. Williamson Ltd. 1. Opening chorus and dance; 2. Trio: "Till and Will and Lili Veil," Maudie Ralston, Mabel Gibson and Harriet Bonser; 3. Quintette: "Waltz Four Jolly Brothers," Noel Allen, Herbert Brown, Harry Ratcliffe and Claude Fleming; 4. John Ralston, Noel Allen, Herbert Brown, Harry Ratcliffe and Claude Fleming; 5. Quintette, "Underneath the Lilac Bough," John Ralston, Noel Allen, Herbert Brown, Harry Ratcliffe and Claude Fleming; 6. Duet, "A Kiss in the Rhythm of It," Harriet Bennett and J. Ralston; 7. Finale.

- 8.55—Captain C. H. Peters, "Books, wise and otherwise."
 9.11—Studio Orchestra: "Petite Suite de Concert."
 9.25—One Act Play, "Two in a Trap" by Albert E. Drinkwater.
 9.47—Miss May Alberta, soprano: "Love's Old Sweet Song" (Molloy), "Old Golden Days" (Sullivan).
 9.52—"Argus" and "Herald" News.
 9.56—Studio Orchestra: "Cobweb Castle."
 10.11—Mr. Norman Bradshaw, tenor: "The Old Flagged Path" (Arncliffe), "The Smoke Room" (Arncliffe).
 10.18—Studio Orchestra: "The Old Clock," "Valse Fiel."
 10.28—Miss May Alberta, soprano: "The Old Fashioned Garden" (Sullivan), "The Old Spice" (Squire).
 10.35—The Station Trio, "Elisabethan Days" (Kramer).
 10.45—Mr. Norman Bradshaw, tenor: "The Lavender Room" (Arncliffe), "The Night Song" (Arncliffe).
 10.52—Studio Orchestra, "Rosemary" (Elgar), "Mignonette" (Friml).
 11—God Save the King.

THURSDAY, FEBRUARY 18.

Mid-day Session (12 p.m. to 2 p.m.)

- 12 noon—Time Signal; British Official Wireless News from Hagley; Reuter's and the Australian Press Association cables; "Argus" and "Herald" News Service; Shipping Intelligence.
 12.15—Stock Exchange Information.
 12.30—Meteorological Information; Weather forecasts for Victoria, Tasmania, South Australia and New South Wales; Ocean Forecasts; River Reports.
 1—Time Signal.
 1.1—The Studio Orchestra: "March" (Flotow).
 1.3—"Melodie of Spain" (Santrol).
 1.13—Mr. Victor Prince, entertainer: "Sandy McCaskey."
 1.16—Miss Beatrix Gunnson, violin solo: "Obertura Mazurka" (Wieniawski).
 1.21—Mr. Victor Prince, entertainer: "Bowen."
 1.24—Instrumental Trio: "Valse des Fleurs" (Tschakowsky).
 1.32—Mr. Victor Prince, entertainer: "He Looks at Her."
 1.35—Mr. Walter Smith, cornet solo: "Zaccotto" (Cude).

Val. Heslop, Publicity Manager for Universal Films, signs the exclusive rights to Station 2KY to broadcast the story "Perils of the Wild."

(Left) Mr. Herbert Beaver, Manager, 2KY.



- 1.42—Mr. Victor Prince, entertainer: "Oh Genna, what big eyes you've got."
- 1.45—The Studio Orchestra: "Ochello" (Collidge-Taylor).
- 2—Close down.
- Afternoon Session (3 to 5).
- 3—Time Signal.
- 3.1—The Studio Orchestra: "The Clingalee" (Goldrey).
- 3.15—Mr. Lance Fairfax, tenor: "The Stars Have eyes" (Sanderson); "Sylvia" (Spinks).
- 3.22—Miss Dorothy Roxburgh, viola solo: "Adagio" (Ruch).
- 3.29—The Studio Orchestra: "The Cabaret Girl" (Kern).
- 3.44—Mr. Herbert Walton, entertainer, in "Merry Moments."
- 3.51—The Studio Orchestra: "Le Retour" (Bizet).
- 3.57—Miss Thelma Tiesman, 'cello solo: "Largo" (Handel).
- 4.7—Mr. Lance Fairfax, tenor: "Song of the Torsador" (Bizet); "I Hear You Calling Me" (Marshall).
- 4.14—The Instrumental Trio: "Gipsy Rondo" (Hedlin).
- 4.20—Mr. Herbert Walton, in "Radio Radiance."
- 4.29—The Studio Orchestra: "Flut Suite, 'Carnon'" (Bizet).
- 4.39—"Intermezzo" (Arnsky).
- 4.45—"Herald" and "Argus" News Services, Reuters and the Australian Press Association Cable.
- 5—Time Signal; Close down.
- Evening Session (6 to 7.15).
- 6—Children's Hour, Stories by Mary Gumleaf: "Andy," "The Dolly Day Talkie," "Somebody's Mother," Scout Story, "The Commanding Officer," "The Sleeping Beauty."
- 6.45—"Herald" and "Argus" News Services, Reuters and the Australian Press Association Cable News; Market Reports; Weather Synopsis; Closing Stock Exchange information; Shipping Movements, Market Reports; By the Victorian Producers' Co-operative Co. Ltd.; Haymarket Sales, Fish Market Reports by J. B. Borrett Ltd.; Fruit Market Reports by the State Fruit Advisory Board.
- Night Session (7.40 to 11).
- 7.46—Mr. W. E. Riordan will speak on "Oral Hygiene," under the auspices of the Health Association.
- 8—Sonora Recital: "Rubin Adair" (Traditional); "Wise Folly" (Roundel), sung by Thea Phillips.
- 8.7—Address from Assembly Hall under auspices of Australian Institute of Secretaries: Right Honorable W. M. Hughes, P.G.; "Business Organisation."
- 9—The Studio Dance Orchestra: fox trots, "Lazy," "Don't Bring Lulu."
- 9.10—Mr. Robert Molyneux, baritone: "God Touched the Rose," "Tumbled down took by the Sea."
- 9.17—The Studio Dance Orchestra, one steps: "Simplicity," "Arabia."
- 9.27—Miss Belle Pollard, soprano: "One Two Day," "Utah!"
- 9.44—The Studio Dance Orchestra, waltz: "When I dream of the last waltz with you," "Lassie O' Mine."
- 9.44—Mr. Max Ashton, Humorist: "The Vicar and I will be There," "I knew I'd get something to do."
- 9.51—The Studio Dance Orchestra, fox trot: "Tangles," "I'm sitting on top of the World."
- 10.4—"Argus" News Service.
- 10.9—Mr. Robert Molyneux, baritone: "That's all," "I love you truly."
- 10.16—The Studio Dance Orchestra, fox trot: "Ukelele Lady," "Honey-moon Blues."
- 10.26—Miss Belle Pollard, soprano: "Swing low sweet chariot," "I got a Robe."
- 10.33—The Studio Dance Orchestra, waltz: "Honey and Truly," "Haunting Melody."
- 10.41—Mr. Max Ashton, Humorist: "There's a ridiculous question," "When I'm home, I'm my wife's husband."
- 10.50—The Studio Dance Orchestra, fox trot: "Peter Pan," "Yearning."
- 11—God Save the King.

G2KF PRESENTS HIS VIEWS.

(To the Editor.)

Sir,—With reference to the letter from Mr. Ernest Fysh published in the Editor's Notes page of your issue of 6th November, 1925, wherein the writer discourses at length upon the question as to who was the first British amateur to be logged in Australia on the 20-metre waveband, and as the gentleman has included in his copious notes reference to myself, I feel that a suitable reply is indicated.

Mr. Fysh states that I have dragged myself into a discussion, but this is not the case, and he has apparently misunderstood my letter published in "Experimental Wireless" last August. The main object of my letter was flatly to contradict the statement made by G-5NN that he was the first amateur to communicate over long distances on short wavelengths, and he will agree that my remarks left no margin for discussion.

In his letter, Mr. Fysh asserts that the rules of the game must be observed, but I hasten to point out that we are not indulging in a game, but are engaged in obtaining useful scientific data on short-wave communication, which apparently the gentleman knows very little about, and from his reference to monkeys and coconuts, it would appear that he is better acquainted with natural history. The 2 American stations referred to by Mr Fysh as "a pair of blundering Yanks," (which remark is, I consider, entirely uncalled for), viz. U-6TS and U-1CMX, are pioneers of short-wave working and very excellent stations, and I trust that Mr. Fysh's letter will catch the eyes of the owners of these stations and that they will reply in a suit-

able manner, for I consider that such assertions are liable to imperil the cordial friendship now existing between the experimenters of our respective countries.—Yours faithfully,

J. A. PARTRIDGE (G-2KF).

22 Park Road, Collier's Wood,
London, S.W.19.

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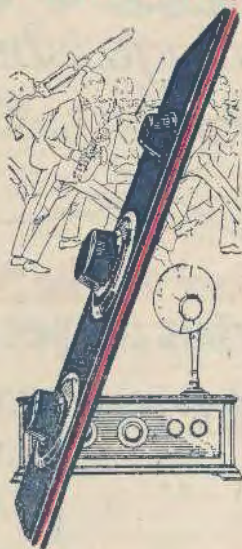
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